## THE DESERET NEWS.

## Hiscellaneous. THE PEAK OF ORIZABA.

190

A correspondent of the New Orleans Picayune gives a graphic description of an ineffectual attempt in Jauuary last, by a company numbering twenty or more, to scale the snowy peak of Orizaba, according to Humboldt the highest peak in Mexico, and the handsomest in the world. The party had resolved on treading where a white man's foot never ventured before, and anticipated remaining upon the mountain two nights at least. The correspondent describes the incidents of the first day's ascent, and continues:

At sunrise we reached the stone chapel and tower, 13,000 feet above the level of the sea. One after the other our company filed into the gateway for the night. Of its origin, there is no history-of its age, generations long since dumb knew naught. Bnt a shepherd would not cross its threshold at night time, nor seek shelter from a storm, if a coronet were offered him. The frost that night was sharp and heavy; the bare hard earth was white, and the morning light revealed the neighboring stream iced over as it slept almost on blast. Thermometers were low, and so debris. were the spirits of the party. Comand thousands of ice-pinnacles. times came whirling by us like cannon | balls. When on a rise of 14,000 feet the party seperated, some taking the high snow ridges, others the gorges or gullies. There is a mean difference in height -a collection of centuries-a spongy, the mountain top and sides. tion. Great gaping mouths in the rocky sunny snow ledge or cinder gorge. sides send out sulphuric fumes; and in We are now nearly 16,000 feet above out by Mr. H. Wilde, of Liverpool, to the mind of most persons, is, probaone mammoth opening lay heaps of sul- sea level. Distinctly, as if at our elbow, phur, and further back pillars of pur- the sound of the guide's feet striking plish stone (the result of drippings) 30 the solid drift, 1,000 feetaway, fell upon fast high There are no evidences of the ear Evidently the Indian nilote

bare and black, and that occasional wish to return. But Gen. S-urged is not only great in itself, but incalcuwhirls of smoke are emitted from the crater, indicates the smouldering condition only of the volcano at present.

The ascent was continued in an almost direct line toward the top. Up to within 2,000 feet of the summit level, the whole feet were in motion, but scattered at great distances from each other, some almost out of sight on the conical cliffs; some toiling abreast up the dark gulleys. At this time some began to fail and fall by the way; blood began to pass from nose and ears, and faces were height of 15,000 feet above the gulf. it may be said that the discoverer has swollen so that old friends knew each His comrades proceeded no further, but found a method of producing electricity other only by the dress. A few continued the journey 1,000 feet higher, lay a stout staff, and on it unfurled the stars to unknown, by the action of feeble down, slept on the snow or black dust, and stripes. The flagstaff remains yet electrical currents upon powerful magdropped every few minutes-it was im- is left-all given to the winds and the magnificent electric light exhibited possible to keep awake all the time-but storm, the hail, sleet and the gale. Two- from the dome of Boston State House started up again as soon, catching the thirds of our party were out of sight, on the 4th of July, several years since. breath. The painful, oppressive atmosphere weighed heavily upon the loaded affrighted guides, held their way. artists, and they with one accord, and without parley, turned and retraced their steps towards the spot where fell early the unambitious and weak-lunged. Those on the ridges sent whirling under their feet rocks and patches of black earth and ice clefts, that seemed to hang in air above the affrighted explorers in the gullies beneath. Land and snow snow, came thundering and hissing magnet weighing three tons (which the narrow level above the abysses. sections were continually started under from above, fairly flying past our heads, accumulates and retains the developed The air drifted down from the snow re- the feet of those above; and snowdrifts on to the next projecting ledge, and electricity, on the same principle as an gion, and man and horse shivered in the often fell, burying us at times in the great snow-drifts, broken and crumbled insulated submarine cable or the Leyplaints were many, and enthusiasm heaven, and beat down fiercely, blind- snow, and icicles, and black earth, and had flagged alarmingly. A vote then ing us, and starting a thousand little lava dust. One of the guides, smitten would have disclosed two-thirds of the rills from the exposed ledges that seem- by a passing drift, rolled, half dead, party in favor of retreating. From this ed in the sunbeams silver veins, as they about thee hundred feet down the slope, point there was no horse-path. Here slid noiselessly down the tall ice pillars, and was buried for awhile in the debris ended all signs of human or animal and ran along the rocky sides, clear as of snow and earth. Col. C., a West travel, and upward, for 5,000 feet, in crystal, till they went foaming and leap- Pointer, was thoroughly exhausted, and interminable layers of rock and cinders, ing into the surging stream below. No made as incoherent speeches as a toper and above these, and on the pyramidal sign of tree, or shrub, or grass blade, or in his last struggles to maintain conridges from the ruined tower gleamed hardy flower-all silence, and snow, and sciousness. His broken sentences, low in the sun, until one's head became black desolation; rifted rocks, wierd, and indiscreet, were indicative of scenes dizzy at the sight, close packed snow unseemly piles of frozen earth and ice, on the Chickahominy, mustering upward-mist and cloud below; the sun squadrons in cold weather. Down the Over these we were to clamber before and sky, deep blue, overhead; beneath, mountain side, almost under the clouds, reaching the summit. Some of the the cloud-field and the abyss. Artists lay our English friends, completely departy breathed heavily even at this were out of sight under the clouds, de- moralized, and seemingly discussing on height, and were averse to proceeding scending; engineers and others lay down a lava bank sundry bottles of cognac, further. Horses were picketed within or staggered at points on the way, inca- unconscious of the dangers threatening of street lamps upon a wall. It beats the walled yard of the ruined chapel; pable of willing or acting, and calling their fellow-voyagers in their perilous the sun at taking photographs. In artists packed their apparatus, engin- upon those in front to return. Falling journey on the treacherous cliff above. eers their instruments, and with a plen- rocks became more frequent; boulders, The miniature cascades disappeared; teous supply of the brandy in each undermined by the thaw of ice, came even the drippings disappeared from man's pocket, the guides were directed spinning after each other at fabulous the rocks; for we had passed the line of full noonday sunshine. This fact when to commence the ascent. Then followed rates of speed. Snow banks would start thaw. Snow was beaten down hard first announced to the scientific world, promiscuously, Americans, English- off themselves from their places, and and compact, and glistened like ice as was received with incredulity; but it is men, Mexicans-one after the other, with a sharp cutting sound, drop into the sun fell upon it. But an abundance the truth. Two enterprising photosinging, whistling and jesting as we the abyss and be seen no more. Shafts trudged along. Not long did these of ice 30 feet long, loosened by the fallnoisy demonstrations last, however, for | ing boulders and snow slides, slipped the breath came hard, and the hand, from their moorings, fell upon the sand- he picked his way some distance in the new electric light at night. As and feet, and senses were required for stone cliff below, ground into fragments, front. We heard by the footfall that this part of the photographic business the hazardous journey. As we advanc- and bounding onward between sun and ed new difficulties arose; ledges were cloud, sparkling like diamonds as they He was within 500 feet of the top, turn- of special importance to persons engagprecipitous and barely passable; rocks fell. The winds were sharp and cold, ing into a shallow gulley to avoid the ed in it. The production of artifical of round sandstone came rolling and but not high. Sometimes, in the deep falling boulder, when a sliding, tum- actinic, or photographic light, has been sliding downward by us; drifts of snow hollow, it struck the sharp crag, and bling noise was heard, then a dull click, accomplished to a limited extent by the from the topmost ridges glided swiftly shrieked like the night tempest on a then a fall, and in a moment a heavy combustion of magnesium and some from their places as the sun rose in the rocky reef. Once, and once only, it boulder came whizzing by on its down- patented compounds, but there are pracheavens; and huge, flat ice blocks at chopped round and swept the mass of ward course, some one called out, "S---landmarks, and cities, and plains were visible. Popocatapetel and all the Mexican volcanoes were distinguishable, and with a good telescope we looked out over the Chiquite Mountains into between the two-often 800 feet. The the placid waters of the gulf. In a few gullies run up to the summit, with oc- | minutes the wind shifted, and cloud and casional breaks, parallel with the rid- mist trooped back again and hung with ges; and the surface composed of debris | a sort of affectionate embrace, around black earth, through which we sank to Sound at this height was very dis- as we left them in the morning. We is remembered that the electricity from the knees, and where no snow or ice tinct, although it appeared distant when passed another night within the roofless the magneto-electric machine is of itself lay, but through which, at noon-day, actually near. Amid the silence that chapel; and with all the quaint stories sufficient to heat to redness the smallest ran the drippings that trickled from the reigned, the snapping ice shafts and and goblin fables associated with it, piece of iron wire. The magnets and high snow cliffs. The fountains, wind- snow-slides, and falling rocks, and even | slept soundly till "rosy fingers of morn" | the revolving armature do all the work. ing through the gorges, increased as the little waterfall fell painfully upon streaked the eastern sky; and down they descended, and uniting sometimes the ear. The crashing noises one ex- again with our wounded comrade into below swept in a thundering torrent periences in caverns, when a stone the soft warm winds and pine groves, down the mountain side. These strikes the floor, or a rill plays upon the we picked our way, and yet further on, streams had worn beds a hundred feet rock, resemble nearly the sensation; to the balmier air of the low lands, where deeper yet than the general level of the and when a boulder broke upon the cool streams from the hills, and peak gullies. The formation of rocks and lower ledge, the sound quivered with a danced merrily through maguey fields, earth differed in no wise from that fur- vibratory motion for a long time before and in the orange shade through broad ther down. Here and there lay huge it died away. The sense of isolation is piles of gray limestone and sandstone, acute, existence is a dream; the senses and specks of quartz, promiscuously in- half benumbed, memory in a mist, and termingled, angled, some flat and edged, thought lost in a maze of uncertanty. THE LATEST TRIUMPH OF ELECothers with regular layers of time and Were it not indeed for the continuous sandstone; rents, fearfully deep, in the struggle to retain vitality, the sensation mountain side, disclosed curiously dis- of losing breath, and the constant loss posed strata of the upper, lower and in- of blood, one might easily be induced termediate sections of geologic forma- to dream on in a seeming sleep on a

them forward, taking himself a narrow, lably important for the promises of good conical ledge, pushed after toward the stored within it. summit. Notwithstanding the preten-| To describe Mr. Wilde's discovery in tious knowledge of these natives, it is the limits of this article, and without very much doubted whether any living the aid of diagrams, so as to render it being advanced further toward thesum- clear to persons unfamiliar with elecmit than our party did.

Some time during the war with Mexi- impossible. It cannot be appreciated co, twenty or more years ago, an army officer-a South Carolinian, I believe- of electro-magnetic induction, of which made the attempt to reach the top, but it is, in fact, a paradoxical and unexhe fell, paralyzed, after reaching the plained illustration. In a general way, planted on the spot, firmly in the rocks, in quantities and of an intensity hithergasped for breath and awoke. Some in its place, but not a thread of the flag nets. Our readers probably remember down the slope; three alone, beside the Blood oozod from ears, nostrils and mouth, and veins stood out on the forehead in great black lines. Our footing became more and more uncertain, the ascent abrupt; the stones constantly turning and crumbling away, and be- his wonders by the combination of six times, huge masses of earth, boulders and scoria, loosened by the melting by the colliding rocks, avalanched The sun was by this time in mid- down upon our heads a perfect storm of of loose rocks lay on the surface, graphers in England have since put up poised for motion at the slightest touch. the machines in their shops, and now the courageous S---- was pushing on. is large and profitable, the discovery is cloud away eastward, and then distant has fallen!" The rock struck him on not exist in the case of the electric light. the shoulder, breaking it, and hurled him a hundred feet down the steep gulley. The guide reached him soon after, and we bore him slowly down the steep slope, abandoning for the time our en- instant. Other effects are not reported; terprise. streams, swollen by the melting snow, volatilize gold, and perform all the went foaming and roaring down their other difficult feats. These achieverocky beds. Our horses were picketed pampas to the Rio Blanco.

trical apparatus and processes, would be without a knowledge of the philosophy The light was so powerful that common newspaper print could be read by it all over the Common. But to produce it required five hundred cells of zinc, carbon and acid; a cumbrous, clumsy and expensive apparatus. Mr. Wilde dispenses with all this, and performs small permanent magnets weighing only a pound each, a ten-inch electroden jar), and an armature revolving within an iron cylinder at the rate of fifteen hundred turns a minute. The cylinder is about a foot long, and has a bore of two and a half inches; the armature which plays within it, not touching the sides, is coiled about with insulated copper wire. It is from this armature, when the different parts of the apparatus have been connected and put into operation, that the electricity is evolved and the effects are produced. These effects are astonishing. An arch of electric light several inches long spans the space between the polar terminals of fixed carbon. This light rivals the sun in its dazzling luminousness. At a distance of a quarter of a mile it throws shadows from the flames twenty seconds it darkens sensitized paper held at a distance of two feet from the light, as effectually as one minute of The guide started more than one as do all their copying and enlarging by tical objections to their use which do Of course the heating power of the flame is intense. It melts seven feet of No. 16 iron wire, and heats to a red heat twenty-one feet of the same wire in an but there is no doubt that the flame Arrived at the tower, the mountain would melt platinum in large quantities, ments appear truly marvellous when it Now here, assuredly, is a great discovery. What is the full scope of the possibilities opened up by it no one can tell, nor intelligently conjecture. The cost of the apparatus is small, the waste of materials trifling, and where the motive power for driving the armatures is already at hand, the expense of working would be nominal. The operation is continuous and reliable, and the only objection brought against the machine is the noise caused by the revolving armatures, which could probably be obviated. A complete machine, made under the direction of the inventor, will soon be brought to this city and exhibited. The utilization of its extraorditerious science of electricity. brought nary powers, which first presents itself during the past year. It is like the bly, the lighting of Broadway. A light finding of a new continent, the explo- which would enable people to read a ration of which is sure to be rewarded quarter of a mile away would leave athing to be desired Twelve such

## [From the N. Y. Journal of Commerce.] TRICITY.

The perfect success of the Atlantic Telegraph has eclipsed the splendor of an entirely new discovery in the myswith wast and waluable accountions to the

tions (nonhous none for 000 limbs did not some for 000 limbs did not some for 000 limbs did not some for 000 limbs	
recent erruptions, (perhaps none for 200 who did not count upon our advancing domain of human knowledge. So this lights would per	erfectly illuminate Broad-
years,) but the fact that the summit is so far, became alarmed and indicated a latest achievement in electrical progress' way from the	Battery to Fourteenth