Hecle. The Greet Geytar ribet from oyminded tipe of pit, 8 or 10 feet in diameter, and 75 feet deep. It opens into the centre of a basin 4 feet deep, and between 46 and 50 feet in diameter. Ac woon as the basin is gilled by the boiling water that rises thorugh the tube, explosions are heard, the ground tremblea, and the water is throwa to the hoight of 100 or 150 feet, followed by large volumes of ateam. Aftor the becin is thus emptied, no further explosion tekes place until it is replemitined, when the same phenemena again oceure. The cold air condenses the oteam into vapor, which istossed about in dence clouds, tumbling one ovet whother with singular ripidity, and presenting a sight of great magnifieeme.

Depth of the Qcean.-On account of the irregulerities existing at the bottom of the ocean, its depth varies considerably in different piaces. The exact depth at any place is, moreover, a matter to be attained with great difficulty, in consequence of the rapid currente that exibt in the ocean, These, in many places, render it impracticable to ascertain this depth even with the heaviest sounding-lead. In the northern Ocean, Lord Mulgrave gave out 4,700 feet of Line; without fioding bottom; and Mr. Scoreaby could not find a bottom in one part of the Greeniand Sea at the depth of 7,200 feet, Captain James Ross found bottom at a depth of 15,000 feet, at a place west of Cape of Good Hope, which is the height of Mont Blanc ; but at a place west of St. Helena, he gave out 27,000 feet of line without finding bottom. Dr. Young assigns to the Atlantic Ocean, a depth of three miles, that is 13,400 feet, and to the Pacific Ocean, the depth of a leagre and a half, or about 18,000 feet. According to the caloutations of La Place, in his "4 Mechanique Celeste," founded upon the oscillations of the ocean, the mean depth of the water is a faction of the difference produced in the diameter of the earth by the flattering of the poles, and it has been estimated at botwion two and three miles. These calculations the above experiments seem to confirm.

Surinass Bible.-The version of the new Temament; printed by the British and Foreign Bible Soejety for the English negroes of Surinam, is a curiosity in its way. Theme negroes have no distinct langaage; but mpeak a atrange lingo compounded of African words of chipped and softenut Englidr words ant of violently treated Portuguese wotds. Thé Sdeicty brovight npon itself amait censures and much ridicule for the seemingty iffeverent and ludicrous character of the volume they had published. The whole edition, save afew copieinwas seft to Suritian These copies ase becoming trarce, and at the ale of the Dule of Sutiedicilibrary, one brourgit fs 100 . though itt original cost eould not have exceeded two or three stillingw. The annexed extracts literally translated, will give a specimen an little offensive as any that can be found in the book. The word eirgin is renderod soan njo ewonjo, i. e. one new weach. The followng versea dre from Matthew $\nabla$. :
" I. But then Jesus see the people, he ge after one-monatoin top, he go sit down, then disciple for him come close by after him.
"2. And he opened him mouth and learn thenic and tadk:
"Good is them, these the pretty in heart, because Godes cotintry is for them.
"3. Good is it for them, these the morry in heart beeanse heart for them so cheery."
M. Michelet.-A Paris writer states that Michelet, the celebrated Profesior, has opened a course of lectures on the education of Females. He is understood to have become more Royalist.

Whimsical Benevolence of Goldsmith.-Among the anecdotes told of him while at college is one indicative of that prompt, but thoughtless and often, whimeical benevolence which throughout life formed ote of the mont eoceptric, yet endearing points of his character. He was engaged at breakfari ote day with a college inmate, but falled to make his apperance. His friend repaired to his room, knocked at the door and was bidden to onterj. To his surprise he found Goldemith in his bed, immerved to his chin in feethers. A serio comic story explained the circumatance. In the cotree of the-preceding evening's stroll he had met with a woman with five chiddren, who implored his charity. Her husband was in the hospital; the was just from the country, a stranger, and destitute, without food or shetter for her helpless offepring. This was too muoh for the kind heart of Gotdimith. He was almast as poor as herself, it is true, and had no mouey in his pocket : but he brought her to the college gate, gave ber the blankett from his bed to cover her little brood, and part of his clothes for her to sell and purchase food; and, finding himself cold during the night, had cut open his bed and buried himself among the feathers.-- Wadhington Irving's Life of Goldemith.

Illegible Scribble.-Dr. Parr, whose hand was the very abstraction of incomprehensibility, visiting the reading-room of the watering-place, happened to find among the subscribers a name which he could decipher, though few others would have been equally surceesful. It was thrat of a friend whom he had not seen for some time. Anxious to renew early impression, he inquired of the proprieter of the rooms his friend's address.

This, however, wat not knowit; accofdinigly the doctor was obliged to leave his card, with his own address, thereon written, or intended to be written, in that peculiar vehicle of thought which his pen was wont to employ. On the next appearance of the person for whon the card was desigaed, it was duly put into his hadid. Delighted at the proximity of his early friend, the recipient proceeded to inquire at the talisman where its owner was to be found, butit pertinaciously refused to declare: not a letter was decipherable. Whether crescent, street or square, was undiscoverable. Thus foiled, the seader, if we may so designate the unsuccessful attemipter, had no resource save to leave hisown card, with his address, as he imdigined, written therein. But, alas ! he and his fiiend were similar in their ideas of penmanship as well as of other thinge : and when Part, surprised that he had not seen his old companion, heard the history and received the card; tho was equally at fault, and the result wis, that two friends anxious to moes, and living in the same town, actually lost the opportunity of intercourse through the enigmatical character of their writing--[Sharpe's Loadon Magazine.

Weighing Department in the Bank of England.-One of the most interesting and astonishing departments within the whole compass of the bank of England, is the weighing department, in which, with the rapidity of thought, and a precision approaching to the hundredth part of a grain, the weight of the gold coins are determined. There are six weighing ma: chines, kept working by the same agency which supplies all the mechanrcal power in the bank, and three weighers attend to these. Rolls of sovereigas, or half-sovereigns, are placed in grooves, and are shaken, one at a time by the motion of the machine, into the weights. If they are of standard weight they are thrown by the same mechanical intelligence into a box at the right-hand side of the persor who watches the operation ; if they have lost the hundredth part of a graitr they art catintos box on the left. Those which etand the toat are put inte bage of one thousand sovereigns each, and those below par are cut by a machine, and sent back to mint. Between one and two thousand light sovereigns are thus daily sent out of circulation. The silver is put up into bage, each of one handred pounds valne, and the gold into begs of a thousand, and then those bageful of bullion are eent through a strongly-guarded door, or rather window, into the treasury. The treasury is a dart gloomy appartment, fitted up with iron presses, which are supplied with hoge locks and bolts, and which are perfectly fire-proof. Gold ilver, ad papet monet retdy for circulation, to the amount of twenty-two millions aterling; were in the treasury when we visited it. One of the gentlemen in that department placed one thousand sovereigns in hand, and at the same time pointed to seventy bags full of gold in the little recese which he hat thrown open, making in all the modest sum of eeventy thoucand potride. He pluced notes to the amount of a half million aldo upon otar palm, whieh no donbt hed its own sensations as the precione deposit trembled on its top. The heads of departments meet in the treasury every evening, and there all the accounts are balanced.-[Hogg's Weekly Instructor.

An Admirable Orrery.-Some general impression may be cont veyed by placing a. globe, two feet in diameter, in the centre of a plain or bowling-gredn. With the sin for a centre, a circle of 164 feet in diameter will represent the orbit of Metcury, the comparative size of which planes may be represented by a grain of mustard seed. Venus might be represented by a pea, moving in a circle, the diameter of which would be 284 feet; the Earth also a pea, but on a circle of 480 feet diameter; Mars a large pin's head; and the diameter of its circle 654 feet; Juno, Ceres, Vesta, and Pallas, grains of sand moving in circles trem 1000 teet to 1200 feet in diameter; Jupiter a moderate-seized orange, in a circle nearly half a mile across ; Saturn, a amall orange, on a circle four-fifths of a mile in diameter; Uranus, a large cherry; apon a circle more than a mile and a half in diameter; and Neptune, a good-sized plum, on a circle about two miles and a half in diameter.

Phenomena of the Brain.-One of the most inconceiveable thinge in the nature of the brain, mays Wigan in his work on the Duality of the Mind, in, that the organ of seamation mhould be itself insensible. To cut the brain :gives no pain, yet in the brain alone resides the power of feeling pain in any other part of the body. If the nerve which leade from it to the injured part be divided, it becomes intantly unconscious of sufferiag. It is only by communication with the brain that any kind of sensation is produced, yet the organ itself is infensible. But there is a circumstance more wonderfol still. The brain itself may be removed, may be cut away down to the eorpes celosum withont destroying life. The animal lives and performs all ite functions which are necessary to simple vitality, but no longer as a mind, it cannot think or feed, it requires that the food should be pushed down its stomach, once there, it is digested, and the animal will even thrive and grow fat. We infer, therefore that the part of the brain, the convolutions, is simply intended for exercise of the intellectual taculties, whether of the low degree called instinct, or exalted kindbestowed on man, the gift of reason.

