THE TALS OF COMETS.
Frof. Aredikhine, of St. Feteriburg, writes Mr. Proctor in the Newcantle Weckly Chronicle. has made some very interesting researches into the evideaoe respecting the tails of cometa. He shown reason for believing that these appendagen may be civided into three dintinct clases, acoording to the different relations botween the attractive and dispersive power of the sun. The latter power he considers to be, in all probability, moditied by the different propertice of the particles of which the tail is formed. There sre fow subjects of inquiry more difficult and perplexing than the phenomena of comete' tails. The evidence seems unmistakably to point in some caves to a true rpulaive action exaited by the sun, and yet nothing seems harder to understand than the possibifity that the sun should exert such a power in so energetie a manaer as to produce the amazingly rapid extension of tail matter seen is certain cases. Thus the tail of Newton's oomet seen after the somet had made its neareat approach to the aun, must have been thrown out in lene than a day (prohahly in lesn than a few hours) Under the sass more that ninety million miles. Under the sanis kravitating power, tromendous though that power appears, the comet, with all the velocity it had afready soguired, took more than foor weeknin traveraing the name distance. Tyadalls ingenions attompt to explain the formastion of comets' tails as due to the sotimio energy of rays which have passed through the comets head, fails to account for the phenomena Prosented by many long tailed oomets. Prof. Tait's mes bird analogy, by which the formation of a onmet's tail is enmpared with the coming isto view of a llock of sea-birds, as the plane of their array cornes to ooincile with the observ. er's eys would bever have been advanoed by asyons familiar with the histary of the most impurtant eomets, of wen with the histary of any one of the great comets which have been visible for more than a low daya. What sir John lierschel wrute morn than forty yearn ago
has aever yet been invalidated, vis, that the has never yet been invalidated, vis, that the phenamena of comets can only be explained by assuming the existence of an intense repulsive foroes, exeited by the sun on the thin material
raised by his seat from the surface of cometa taised by his heat from the surface of
appromehing him from interstellar space.
Nopsusss wank is a novelty in china-ware introduoed by Mr. Vernon, of Scotland, and whieh is well apokes of by the london Pottery Gaselts. It sosests in providing at the base of the article, of, in case of covers, under the rim, a groove, into which is riveted a strip of india rubiber. This strip is so formed that when rus inte the groove it tite tightly, and that part of it which projests treyond it effectually prevents the article from scratehing any smooth sub. stance on which it may be placed, insures the grestest quiet when the article is bering mored about, and reailers it lese liahle to that slipping
frown trays that now and then from trays that now and then causes much gref at mesal-time. At the Royal hotel, Glasgow. Mr. Versos has placed os eshibition quite an elaborate selectios of wares (disuer and tea servions, tailet seth, ete ) $\%$ and of particular intersat is a display of shipging ware placed on a rolling table, the surfao of which is jartly plate-glass, partly finely-polished wood, and partly eloth. The table in wet a rocking, to imitate the conditions of a eabies table in a atorm at seat bat the ware persistently refubes to tridje. The value of this simple iaveation for ahip crockery will be apparent.
Preasfomis Petsamis, of "Putnam's wingrd akos," is the very appropiriate name given ly Prot. Packand to a sreatare tirst descritud by bim, and which is probably the amallest of alf known inseets An individual of this species Wes eaptaral last summer by Mr, J. D. Cax, whe gives a fall desriptioa of it is the A enerioss Natsinalid" Ite boly is tewlre thousanithe of sa inoh in leagth, the antense twesity thonasadthe. It is probably an egs.parasite of the leaf-entter bee.

## INTERESTLNG TO ANTHHOPOLOGISTS.

The Grant Cownty Herald contains the follow. ing letter from Richmond, New Mexico, which will be of interest to antiquarians. A resident here, while excavating an old building for the parpose of making a cellar, found two skeletons, one of a grown pernon and the other of a child. The akeleton of the grown person was found sbout six feet beneath the surface of the ruins, almost intact. The akull was well shaped, excopt for a amall protuberance about where phrenologints locate amativenesn. The teeth were small and sotund. Placed near the akull was found a small olla, containing what neemed to be the thigh bones of a turkey. After the akull was taken from itn place, hair was discovered which on examination was found to be brown. But when exposed a nhort time to the air it became so much dust. The skeleton of the child was found in a niche in the east wall, necurely closed by a thin rock naarly two feet square The building had evidently been burned at some time, as all the timbers which were used in its structure were found in a charred condition. The timber uned was the codar. Who were the people who once must have been so numerous from the mouth of the Gila to its souroe? The whole valley at one time was thickly atudded with buildingo. Nowhere is there a record of any race that had the protuberance on the skull aforesaid. At first it was believed that thin was malformation caused by some accident to the skull, but since it has been assured to be hereditary to the race. The rotuberance wan about the size of a hen's egg. This race cultivated the soil, because we find oors about the size of the small sweet pumpkin or equash seed, a need which is the exact cuanterpart of hemp, and numerous kinds of seeds renembling melon varietien. They had a beant of barden, for we find the teeth of some animal which must have been very large. The Iirst European that visited the Gila was Father Nina, the romancing prient, in 1539 . He mays that the traditions of the Aztec were full of atories relative to the old civilization, and its fabulous wealth. Historians differ in opinion, but many believe that thie people were extinct before the Axtee race knew anything about thin country. The tradition of the Apaches is that they have been living here about 900 years, and that when they came they found the rains about as we find them. If such is the case, it may have been several centuries previous to the arrival of the Apache, when this people abandoned the country or were dentroyed.
Warts - The beginuing of the growth of warts is due to obstruction which preventa the froe action of the excretory organs. Thin obstruction produces a thickening of the tissue. The prooess is somewhat like that ohservable on trees. Owing to notne injury, the bark becomen disessed or damaged, and the juice, or sap, by its unatural exposure to the atmosphere, unlergues a chemical change, and a growth is proluovel which becomes in time a masn of hardeued tisane-a kind of fibrons or cellular tumor in the tree. One frequently meen these growths; their forms are much varied, and by no mieans conlucive to the beauty of the troe. Careful tratmant with chromic acid will remove warts.

Tus Kex, Morok - 80 long, a time has elapned since anything was heard from Keely and his motor that most people had forgotten bim, or concluded that he had given up in despair his attempts to "bridle" the new and powerful foree which he elains to have dis: oivered. The Philadelphia Times, however, suys thas sluring all these weeks and moths Kiely has boen diligontly at work building what he calls his "vilotatory eagiae," which is to atulize the new motor power, and is now engaged in "graduating" the engite, which peculiar prucess, he says, will enable him to intensify the action of the vapor.

Ehuptions in the Hawaifan Inlanis.-In the latter portion of March laat, the voicano of Kilanea was sending forth a lava flow of unu. sual volume, which in described by the Hawaiian Gasetle as follow: "There was a large lava dlow just to leoward of the crater. A river of running lava of about a mile and a guarter long by three-quarters of a mile wide. Looking towards it, it was agrand sight. The lava neemed to run to sea at the rate of about half a mile an hour. There is scarcely any fire in any part of the crater, except where the lava in flowing from, and it is still running. If it runs much longer there will be danger. There was nome fire on the top of Maunaloa two weeks ago, and all the people in Kan expect a lava flow down there sooner or later. They had a shoek of earthquake at Kau about a week ago, and the people there are keeping a aharp lookout for what may come." From the foregoing, it would seem there are apprehensions of stirring times in the neighborhood of the crater of Kilanea and Maunaloa, and we would not be surprised to learn at any moment of voleanic action of unusual violence. It is some years since there was any great out-pouring at Kilauea and Maunalon, and it is but natural that thereshould be a demonatration of nature at intervaln, as heretofore. These thinge are looked for by the natives, and neems to occasion no alarm.
Difficulty of Bagathing,-In eases of diff. culty of breathing, the bystanders counmonly raise the aufforor to a sitting position and allow the hoad to bend forward, and by ao doing, they increase the diffioulty. Dr. B. Howard, in a communication to the Royal Medical and Chirurgical Society, pointa out that there is "an anatomical remedy against respiratory obatruetion." This remedy is very simple, and may be described in one word-position. Raine the chest, and let the head hang back as far as may be, The effect of thia position on the reapiratory apparatus in described in anatomical detail by Dr. Howard; but under all the words renta the simple fact, "that complete extension backward of the head and neek should be the first and instant measure in threatened or netual apnoes, both as a remedy and as the first step toward nuccess in artificial respiration."
Trg Chincese subject the greater part of their porcelain to only one firing, firat drying the pieces aufficiently in the air to prepare them for glazing. This plan they are able to purnue, becaune the nature of their material is nuch that it resista the entrance of water. Their glaze in much superior to any in une in the Europoan potteries; but it requires the most intense degree of heat for its fusion, and considerable art is consequently required for the management of the fire, an well as in the conatruction of their ovens. These are built in the most substantial manaer, no that when the fire in at ite greateat hight the hand may be applied to the outaide without any fear of burning.
Buing yor the Pararivation or Asimal and Vkaktamls Marter.-M. Mercier, in the Archives de Genere, recommends a solation of cotmmon salt for the prenervation of zoological and botanical specimens for scientifio purposes. It is cheaper than aleohol, doen not evaporste, does not extract or alter the colors, and ia not likely to be surreptitiously drunk, The brine is boiled to expel gas, and the specimens are immeried at about $80^{\circ} \mathrm{C}$, and closed up. If the brine really anawers the parpose, it will nave a good deal of expense and trouble in
museums. museums.
A alass manufactory in Hanover, Germany, makes glass which is a close imitation of marble, and tablea and foor tiles which aro pronounced preferable to marble on account of their extreme hardness.
Ir is said that the oil that exnden from orange peel when bent between the fingers, will check the progress of carbuncles in their incipient
atage. Perhape the oil may also be useful for atage. Perhapa the oil may also be useful for
other cutancots ernitid

