## READIKG THE STATLS TO A BAD rURPOSE

The world has never been without ita Casean dras, and just now it is having a surfeit of these ill-foreboling prophets. Sometimes these people of evil onen come forth to cast the world's horoscope in the name of science, and sometimes in the charnoter of biblical interpre ters. As many as three or four timen within the recollection of those now living the Milleritea or Socond Adrentista havo fined the time for the world's final deatruotion, their predictiona being based upon the peculiar expositions given of various pauggos in Scripture. Twenty yeare ayo the pat winter the appearance of a comet inspired a widespread terror, cortain pretenders to satrosomical knowledge having given out that the manihilation of the earth by this celestial tramp was a thing quite within the limite of posibility. And now the ap. prosehing conjunetion of cerrain plaseta afforda this same clase of protederer an opportuaity to ventilate their learring and inspire the ignorant. the supentitious and the emotional with a dread of impending evile at the same time. Opportunities of this kind occurring only at such long intervals are not to be neglected by thene menation mongers. Hence we find they are being tarued by this clam to good account.
We are told that the direat calamitien await anly the coincilence of these heavenly bodien to be precipitated apon our doomed world and race. Next year the four groat planetsJapiter, Uranus, Neptane and Saturn-will be in perihelion-mill have reached their neareat appromech to the sun, and then evils countlese and unapeakable are to be let loone upon the world. The infloence of these planeta when broughtinto that position will be, weare asesured, exceedingly persicions to the earth and the prople apon it. Indced, mome of these great memben of the solar system exert, it would weel, at all times a baneful iudlaence upon our little planet eatertain, as it ware, a gradge againat it All then heavenly bolive except Jupiter are unfriendly to as are, to use the langusgo of antrology, malefic Jupiter alone is traph- kindly and woll diapoend towardn us. But this will sot avail to save us from these threatened evila; for, although he is mnech the largest member of this planetary quartet, his beneficent infarace will be nulitiod by the mach greater power for exil posessaed by his aseciates; and which, when the whole wet are hrought is periblelion, they will be alle to ex. ent with desilly offeet:
Having so oftained the mastery, the influence of these uapropitious planets will begia to manifeet itwell in the contanination of our stmeaphere, enusing wilespreail fanines, peotilence and death. The plague and othar lueunable disesees will prevail, the water will be. come putrid, all uature will be sick. Animals willdie, oven the tishes will periah and mankind be slmast wholly swept from the face of the carth; oaly on the Pacine coast, where these maligu influences are to be exerted with lees power, will any contiderable number of the buman maee be yparred. As no masoth has been aseigned by these wise then for this letting up on the inhabitante of the Paeitie coast, wo are Left to infer that this vill be due to their grrater morel excelleace. We fied in the case of Lot of Bille fame, a $p$ sedent to justify sach con dexiea. Bat even bere, we are not to make pod oar ewape altogether. Personis of vile. intemperate and sluitoncos habite-who arv unelens, est to orcess, drink whisky and wock tolsemes will heve s close call, sud very likely eo the way of the rest of trasukind. As a large peoprtion of ater popelationars addictel to theese hurtul asd unsemply practioes, theg, too, may te eosaidered expronal if sot docimed to early deatruetion.
As warranat for these dire pmedictions our star garers, revering to history, find that the waild was alticted in the manaer here portended on every ou currese of these planetary
oria been in porihaliou, or oren so many an two or three of them, without bringing upon our race those overahadowing dizasters. It was so in the year 542, and again 1665, when two of these malignant planets, Mars and Saturn, were coincident; and why should not like conditions now be attended with like effect; or rather, why should not these effecta, when there are throe of these planeta conjoined, be even greater now than then. Shall we not be inatrueted by history and, admonished by the sad experience of pant agen, hasten to adopt such measures as may soem best calculated to protect ourselves againat thene impending calamitien. Nay, they are not merely impending : mome of them have arrived; they are beginining to precipitate themselves upon us. In the plague now prevailing in Rusuia, we have a preageo of their early coming, if not tangible evidence of their actaal presence. That diseaso is the arunt courrier of the multitudinoun ills with which we thall be visited. It wan a godsend, this plague, to these vaticimators of evil. Com$\operatorname{lng}$ so timely it imparted to their forebodinga an air of probability, and has since helped to keep them in countenance with the ignorant and credulous pablic, if, indeed, itu appearance did not suggent to them the idea of assuming the prophetic role as they have done. In the partial diminution of this dread disonse these atrological savanta munt see cause for alarm, as tending to impair confidence in their prodictions and so dimimish their stock in trade.
The followers of these "star-gazers" are apt to be numerous, including that large class of quid-nunce, simple and emotional, who love the horritic, believe in signs and consult fortune tellens, who for a mall foe are ready to inform them that "it "peare like" nomething dreadful, good or bad, is about to happen. These emotionals are fond of the dire and woful, provided alwaya the woes decreed have been allotted not to themselves but to othera. Now this proclivity to consult the future and sup on the supernatural and horrible in a constitutional infirmity with many people, and they are not to be blamed for itu existence or for aeeking waye and means for its gratification. Yet, an it is not a healufful or rational propensity, and ita indulgence has a minchievoun londency, it is the duty of the press not to encourage it, nor minister to itr indulgence; hat, on the contrary, to labor for ita suppresaion, informing these minguided people how little caune thete in for alarm.
In the first place it ahould be remembered how thene prugnostications about the world coming to an end at a fixed time, and all similar prodictions as uttered in our own day, have proved entire failures. Theu mankind are prone to believe that the ills, incident to the present time, are peculiar and greatly in excess of those suffered by preceding generations. Hence, the wars and famines, the tires and floods of to-day, are regarded as sotnething, exceptional and pointingtio some signal catastrophe in which they are all to culminate. With the atrologer, these multitadinous minfortunes are to reach conammation with the conjunction of the planeta. With the religion enthuiast, this will take place on the second coming of the Mesaiah, with the Axtec when Moteruma returning shall deliver his people from the thrall of the conqueror, and with the Latter Day Sainte when Jowph Smith, or some other prophet, reappears on earth in bodily form once mores. Now those thingo are believed in by millions of people, some of whom have been awaiting for these eventa to trasspire for geceerations and even centuries; and notwithatanding the non fulkillment of these prodictions, their taith in thens remains fervid and steadfuat.
Diftech as it is to dismbase their minds of these impresions, it is still the daty of all who coupy anything like the position of public teschers to inform this clas of persons that there is little or aothing to justify their appre-
heasioas. The truth in ropal to thee ape hessions. The truth in regard to theese planetary bolies is, that, while they probably always
axtrise eote inflence extrise eome influence upon the carth and its
inhabitants, this influence is exerted
through the suan, and is no greater at ene time than
another. While they are, when in perhelion, noarcet the sun, thoy may be, and gonerally are, the farthent from the earth, which ought, therofore, to be less affected by them at nuch time than any other. Now, the aun ia no many million timee larger than these planets all put together that any effect they can have upon that luminary, even when neareat to it, muat bo nmall, indeed. The earth, in making its anmual circuit round the nun, comes at nome pointa in ita path $3,000,000$ miles nearer to that orb than at others, and yet we are not sensibly affected by this greater nearnees. Though Jupiter is 12 times larger than our earth, it is composed of matter no much more etherial that its powera of attraction are barely 12 times greater than those of our planet, the power exerted by thin force being directly an density and inversely an distance. What in true of Jupiter is true alno of Saturn, this disparity between the latter and the earth being atill greater. These two are much the largent planeta in the molar ayatem, and if their influence upon the aun, and throngh it upon the earth, is likely to be so little, how intinitenimally small must be the influence so exerted by these lesser planets. So little denaity have these orbs and anch diatances are they at all timea from the earth that their effectas upon the latter must be innppreciably amall.
Let, therefore, all who have been alarmed dimmiss their fearan upon this point. There are plenty of good reason apart from this apprehended ncourge why people ahould take meanure for the better preservation of their health, and one would almost feel warranted in terrifying them into some amendment of their prosent beantly habits, were it not that upon the removal of the cause they would probably relapue, and as an excuse for so much aelf-abstinence plunge at last into greater excomen than ever. It would, therofore, be as well for the masaee perhaps to turn a deaf ear to these portentious torebodings, get rid of their feara and live on an before. The dread of dinease, if it do not invite, has a tendency to lay the human ayotem open to ita attacks. Excesaive fright has been known to bring maladies upon those who would no doubt otherwise have escaped. Wo have all far lens to fear from this appronching conjunetion of the planeta than from our own exceesen and manifold evil habita, which are depopulating the world more rapidly than has ever boen done by the Black or any other plague.-Mining and Scientific Pres.

A resuakamak oase of cohenion, or the welding of two metala at a temperature far below the molting point of either of them, hana Iately boen notioed by Mr. Charlen A. Fawnett, of Glagow, and by him reported to Sir William Thomson. He dencribes the following experiment, which any of our readers who are curious enough can readily try, to teat its correctnesan: if a pieco of silver, one centimeter square, in hentod on the inverted lid of a porcelain cracible, to a bout the temperature of $500^{\circ} \mathrm{C}$. ( $932^{\circ}$ Fahr.), and the end of a thin platinum wire is brought into contact with it, the two metaln will be found to have welded to that extent that the ailver may be raised from the lid, and will remain attachod to the platinum wire when cooled off Mr. Fawsett reporta that other metals-copper and aluminum, for examplo-will likowiso adhere to silver, though the experiment is lont striking than in the case of platinum.
Cuanges or Srectan. - If a small quantity of mercury is placed in a hydrogen Geianler tube, K . Wiedeman finds that an induction curreat gives the hydrogen apectrum at ondinary temperature, But if the tube is warmed in an air-bath, se the temporature rises the mercury lines appoar, while the hydrogen lines grow fainter and finally disappear. If a tube of hy. drogen and nitrogen is warmed at any point, , oo an to froe sodium or other metals from the glass, the hydrogen and nitrogen lines vaniah almost entirely while the linee of the metal ap.
pear. Does the hydrogen disappear, or is it pear. Doee the hydrocen disappener, or is it
transmuted into some other substanee--Compta Rendus.

