## Por the Pearl.

SACRED PHHLOSOPHY.
number of the heayenly hodieg.
" He erlleth the number of the stars ; he calleth them anl by their namié
 I's.a.s. $\operatorname{calvii}: 4$. "I.in up your eyes on high, and sce, who huth created
theee. He draweth forth their armines by number; the calleth them all by nence."-1s.uns, $\mathrm{xl}: 26$. "The host of hacaven cunnot be numbered, yeithe the sund of the sea netasured."-. Eiensminh, xxsiii ; 22 .
It is related of the cloquent Massillon, when on the aurust occasion of pronouncing the funcral oration of Louis XIV., surnamed "the Great," that amidst all the pageantry of deceased
royalty, his silence remained unbroken for so long it tiase, that royalty, his silence remained unhroken or so long in wane, that pectitions should be defeated by the failure of their renowned
orator. At length he mysterious silence ended : the preacher orator. At lenuth the mysterious silence ended : he preacher
arose, and casting an awful glance ever his noble zuditory, in a arose, and castiny an awful gance over his noble naditory, in a Cod alone is areat! !" Powerful beyond deseription was the el-
fect of this unexpected appeal, and yet we have sonetimes been infect of this unexpected appeal, and yet we have sometimes been in-
clined to consider it merely as the language of art-i brilliant clined to consider it merely as the language of art-i be whimint
stroke of oritory intemded to duzze and o verwhelm. Be his os it may, of one thing we are certuin, that it is purely the voice of from the intelligent beholder of the glories of a inidnight sky, in he omphatic words, "God nlone is great." The earth o which we dwell, in all its loveliness, variety and magnifiecure, is calculated to fild us with vast conceptions of the grandear of Him
whose power constructed so stupendous a globe-reared its whone power constructed so stupendous an globe-coared ith
mountuins-formed its yalleys-channelled its rivers-exteded its plains-and spread verdure and beanty on every side. But when we contemplate the countless orbs of the firmament--he nunumbered hosts of worlds scattered wide and vast over the it lumituble expanse, these feelings of awe and


Who rouluded in liis palai chase spincionts orth?


None but those who have considered the immensity of the grent vault of heaven; ' the still, solemn, uniform motion, and the
prodigions number of stars, will form any worthy conception of prodigions number of slars, will form any worthy conception on rolved in the declaration, that "God telleth the number of the gtars, and calleth them all by their names." And those only who have witnessed as an ocular reality, the immeasurable expansion
of the celestial regions, with the infinite number of spheres which of the celestial regions, with the infinite number of spheres which glitter in the boundless extent, can rise to the sablimity of
lsinal's languane,' when he asserts in the elegant and energetic terms of inspitrulion,--" He dravecth forth their arnies by num ber : he calleth then ill by name : through the greatness of hi stronyth, and the mightiness of his power, not one of themi fiileth to appait", Man, with all his powers, so great, so wonderful,
cannot count the particles of dast which float in a single suncannot count the particles of dast which tloat in a single sun-
bean, -his arithuectic caunot number the drons of water which heam,-his arithmetic camnat number the drops of water which
compose che many mighty billows of the willa-rolling ocean, conpose the many mighty billows of the wide-rolling ocean,-
nad the sands of the seal-shore baflo all his powers of computaion. But these, grand mond impressive as they are, are really no thing to the wonders which our optical instruments diselose to us an somo revions of the havens. And yet the calculation of all the majestic bodics which adorn every part of the shies, is "t
very litle thing," with the Almighty. Who then cian wilhhold hi" anlightened asisut to the inspired position-" Great is our Lord and of great power ; his understauting is infinite.
Comets, one of the three clisses, imo which astrnnomers in vide the heavenly bodies are, for the most part, considered few in number. This undoubledy is the populir nption, and yet the uppearauces of several humdred have been recorded; and it
should the ranembered that nany are invisible on account of their ghould be rentembered that many are invisible on account of their
traversing chat part of the hearens which is above the horizon in traversing dhat part of the heavens which is above the horizon in
the day time. Almost every year we have the account of one or nore come. Ammost every year we have the account of one or visible at the same time. But it can pe provel, according to the philosoplyy of chance, that the number of comets may be umimited. In an elaborate dissertation, "On the Mechanisu of the Hearens," by Mrys. Somerville, we have the following able repeared within the earth's orbit during the laty comets, have hap not again be secen ; if a thonsand yents be allowed as the average period of cach, it may be computed by the theory of probabilities, that the wholo number that ratnge widhin the earth's orbit must be 1,400; but Uranus being twenty times more distant, there may be no less than 11,200,000 contets that come within the known
extenl of our system." A: this iccouit of nature, the profound. cextent of our system." As this acenuat of nature, the profound
est nind may well stager ! Extend the idea to other worlds, and systems of woulds, null man is wildered and lost in the -gran deur of the conception. "Lo! these are parts of" his ways, bu how little a portion is heard of him: but the thander of his power who can understand
Great as the number of the comets appears to be, it is alsoluteyo uothing when compared to the number of the Frien Stars. For the convenience of description and reference these have been clussed into groups, called constelnations. Such divisions, hoir
ever, are purely of human invention, and have no reference to auy thing connectad with the stars thenselves. The region of the stars is also diviled into two hemispleres, the one north and the other south. Of the constellations in buth hemispheres the ancients knew 48 ; the moderns have increased the number to more than 100. The stars of the constellations are again distingrished into classes, according to their apparent brightuess, and nre termhitude ; those which fill so firs short olt to first degree of bright ness as to make a marked distinction are classed in the second and so ou down to the loth degree of magnitude. Below the xixth or seveuth degree of magnitude, none are obvious to umas sisted vision. Many of the stars of difierent magnitudes which appear to the naked eye as siagle bedies, are not so, but a combination of several. "One has been ascertained to be a sextuple star, or six associated together; two others are quadruple o

Sir Win. Herschel enumerated upwards of 500 double stars, and Professur Sitruve of Dorpat, in 1926 sarveyed 1000 double stars. Professor strute of Dorpat, in $1 s 26$ sarveyed 1000 double stirs.
Since then, it is slated, ithis jrofessor las exanined above 120 . Since then, it is slated, this professor has examined above 200 -
oino stars, and fuand $305 y$ to belong to the first four classes of 100 stars, and fuad 3004 to belung the the hirst to be conly bril-
double stars. Many thousands of sturs that seen to liant points, when carefuliy exanuised are found to be in renlity ystems of two or more suas revolving about a conmon centre At various periods in the history of Astronomy, calaogues of logue of 1022 stars-all that are visible in oue hemisphere to the naked eye, in the clearest and darkest night. Flanstead wilh naked eye, in the clearest and darliest might.
telescopes made anoher of 2884. Bode, in 1500, of 27,000 , and Lalande, the same year, of 50,000 . Bat with telescopes more powerful, and instruments more delicate for the determination of their places, these catalogues of stars have been vastly increaser. "Mre bessell of honisgberg, observed in the short comprelsended within a zone extendiug to 15 degrees on cach side ro To procure a more complete survey, the Academy of Berlin proposed that this same zone should be pircelled out among twentyour observers, and that each should confine himiself to an hour o ight iscension, and examine it in minute detail. This was adopt od ; and the e eighteenth hour was confided to Professor Inglirami, of Florence, and examined with so much care, that the positions f5,000 sturs have heen determined in it." Sce Eain. Rev No. 101, puge 91. Now on the supposition that the oher if star with the one thus carefully examined, the whole would form an mount of 1800,000 . And his but a spot in the mugniticen inount of ,so,00. And his but a spolime magnine he whole? In some parts of the heavens the stars are so near orgethar is to form clusters, which is the umassisted eye, appeur ike thin white clouds. Many of these owe their brightness to the diffused light of myriads of stars. 'These brilliant portions of he bearen Sir irm Hated nebula: no fewer than 2500 wer osserved by Sir Wam. Herschel. In a clear night level your to lescopes at

## A lrond nad nmple road, whose dust is gold, <br> 

This immense but irregular zone of whitish light is callea the Miliky Way. What a fied for lofty contemplation! of the pro digious quantities of stars iu this luminous belt, Sir Win. He rsche
ives the following proof. On August 22 nul, 1792 , he found that gives the following proof. Ou August 32 nul, 1792 , he found that
in forty-one minutes not less than 258,000 stars had passed in forty-one minutes not less than 258,000 stars had passed
through the field of view in his telcscope. On another occasion through the field of view in his telcscope. On another occasion, abserves Mrs. Sonervillo, "in one quarter of an hour he esti-
mated that 110,000 tars passed through the fied of his telescope wated that 116,000 stars passed through the field of his telescope
which subtended an anrle of 15 . 'This howe ver was stated ns which subtended an angle of 15 , This however was stated as a
specimen of estruod inary crowding, but at an arerage the whole specimel of extruotdinary crowding; but at an average the whole
expanse of the heavens must exlibitabonta
HONDRED MILIIONS expanse of the hatens must exlibitabont a mondrej milions
of fixed stars that coime within the reach of telesconic rision." Nor of fixed stars that coine within the reach of telesconic rision.. Nor is this the testimony of a solitary mind. sir Joint herschel, the great astronomer or ine present -s when examined through powerful telescopes, it is fould (wonderful to relate!) to consist cntirely of stars scatieral b nillions, like glittering dust on the black ground of the general heavens." And Montucla, wol. iv. page 29, olserves, "the
aore powerful the telescope, the greater is the number of stars wore powerful the telescope, the greater is the number of slars
aeen. Lalande computed, that, with a furly foot telescope, a seen. Lalande computed, that,
hundred millions were visible."
hundred millions were visible.
Assuming that our best telescopes can jntrodnce to orr notice he mighty number of $100,000,000$ stars, shall we vainly suppose hat at the extent of this unbounded range wo have found tha outer houndarics of Jelioval's eapire? Shall we dare to timit the
domiuions of the Almighty by our limited powers and feeble domiuions of
instruments?

## "Where ends this mighty building? Whare begin <br> The suthynt in creation? <br> 

And comes the answer from any but the fool-" the building ends where our geometry fails---Jehovah dropped his slackened line just nt the limits of our astronomy---the suburbs of creation o cite the spirit-stiring words of the christina orator of the world -"Fancy may take its flight thir beyond the ken of eye or of elescope; it may expmiate in the outer regions of inll that is visi be; and shall we have the boldness to siyy that there is nolliing there ; that the wonders of the Almighty are at an end because we can no longer traee his fuotsteps : hat his ompipntence is exhasted lecause haman art cam no longer follow hims the that ination is cuffeebled by the masnitade of its efforts, and cem keep o longer on the wiug of those mighy tracts?" Let it he conidered that the difterent catilognes of Gised stars made by asronomers have depended on the power of glasses hy which the biss aug regions have heen examined; and hence the number nents enployed. What hen would be the yast ontal pro duced with ghasses of infinitely higher magnifying powers And " who shall assign a limit to the disenveries of future ages Who can prescribe to science her boundaries, or restrain the ac ive aut insatiable curiosity of man within the circle of his presen acquirements? The day may yet be coming when our instra-
ments of observation shall be inconceivably more powerfa! ! ments of observation shall be inconceivaby more porverful:
Referriug to one of the calcalations of Sir Wm. Herschel, Dr Thomson in his "Sketch of the Progress of Physical Science," emarks:-" If we compute from such a nurrow zone, the whole celestial sault must disijlay, within the range of telescopic vision he stupendous number of more than five billiuns of stars. If eath of these be a sun to a sysicm similiar to ours, and if the same number of planets revolve ronnd it, then the whole planets in the universe will be more than Fifty-⿰ive hillions, not reckoning the satellites, which may be much nuore numerous." On his suluject also, Sir John Herschel, an authority on any quesnensions and power of instruneents, which successive improve ment in optical science has attained, have brought into ciev multitudes inuamerable of objects invisible before ; so that, for
stars may be rbally inginimb, in the emly gense in which we can asign at meaning to the word," If such be the building Cause? If such be creation, what must be the Creator the the Creator who " numbereth the stars, and callelh them all by name.
$\square$


## hallfax, friday evening, april 20, 1838.

Bartisir News.-By the March packet we have received metligence from London to the 8 th of March. The two leading opics of isterest are annexed

Reprimand of Mir. O'Connell.-On Wednesdiy, the order of the day for the attendance of Mr. O'Connell haying been a,
The Speaker said-" Is the honourable Member in his phee?" Mr. O'Conuell rose and buid-"I am here, Sir;"' and then

The Speaker-" The honourable Member will please to stand p." Mr. O'Connell accordingly rose; and the Spearer ado ressed the offender as fullows-
'Mr. O'Connell, you have permitted yourself to be betrayed nto the use of espressions at a public meeting, with respect to which this House has come to the following resolutions-' Tha he expressions in the said speech, containing a charge of foul erjury against Menkers of this House in the discharge of their udicial duties, are a false and scandalous imputation on the honour and conduct of Members of this House : that Mr. O'Connel having avowed that he had used the said expressions, has been guilty of a breach of the privileges of this House: and, finally, that he be reprimanded in his place.'
At the conclusion of the reprimand, Mr. O'Consele, without sitting down, addressed the House. He said that it was not ecause they had passed a long-winded resolution, asserting their purity by a majority of nine, or mine-ind-twenty, or even two undred, that the country would judge them to be pure. In the opinion of the country, the House had no more vindicated itself by that vote, than Judges who authorized the taking of shipnoney would have been justified in public opinion by a declaraion of tlieir own purity and patriotism. It was admitted on all ands, that the decisions of Election Committees vere Liassed by party interests and attachwents ; and what, he wished to know, was that, but an admission of perjury? The House had done bsolutely nothing to vindicate itself from the charge he had rought against it. Give hima Committee, and he would prove hat charge ; he would meet their resolutions by evidence. "Sir, I mean to move that this Committee shath be furmed, and I shall submit, upon that, to any thing which the House may think fit 1 have repented of inothing-1 have retracted nothing. (Hear.) I mean not to use harsh or ofiensire language. (Cries of "Oh, oh!" fom the opposition.) But 1 re-adopt what I before said. I adnira their attention to a subject which introduces the name and snncthe Deity. (Ilear liear.) I repeat what I hare said, ba I wish I could find terms Jess offensive in themselves, and equally significinat. (Hear, hear.) I am bound to re-assert what I have suid, for I am convinced of nothing by a vote. (Hear.) Sir, 1 now move for the appointment of a Committe."

Censure of Mintstrars.-In the House of Commons, on tho 6th of March, Sir William Molesworth moved the following Resodoa:
"That an humble address be presented to her Majesty tho Qucen, respecifully expressing the opinion of this house that in he presented critical state of her Majesty's forcign possessions in varions parts of the world, it is essential to the well-heing of her Hajesty's Colonial empire, and the more inportant domestic ininterests dependent on the prosperity of the colonies that her Majesty's Colomial Minister should be a person on whose inteliieuce, firmness, and capabiity, the house might be able to place eliance ; mad declaring that, with all due deference to the constiational authority of the crown, the house is of opinion that her Majesty's present Secretary of Sinte for the Colonits did not enjog he confidence of the house or country."
To which the following amendment was moved by Lord Sandon, and, after a warm debute, lost by a majority of only 23 in : avour of Ministers.
"That an humble address be presented to her Majesty, expressing to her Majesty our deep regret that the tranquillity of her Majesty's provinens of Upper and Lower Canadu should have been disturbed by the wicked and treasonable designs of disaffected parties in those provinces, by which many of the iuhabitants have been seduced into opposition against tlie anthority of her Majesty. Fo assure hicr Majesty that we have observed, with the utmosit satisfaction, the zeal and fidelity which have animated the loyal iahabitants of her Majesty's North American provioces, and that e cordially rejoice in the success which has attended ber Majesy's regular troops combined with the services of the loyal inha-

