Belected. DEATH. BY W. O. B. PEABODY. Lift high the curtain's drooping fold, And let the evening sunlight in; I would not that my heart grew cold, Belore its better years begin; Tis well at such an empty hour-So calm and pure-a sinking ray Should shine into the heart, with power Todrive its darker thoughts away.

POBTBY.

The bright, young thoughts of early days, Shall gather in my memory now, And not the later cares whose trace Is stamped so deeply on my brow: What though those days return no more; The sweet remembrance is not vain-For heaven is waiting to iestore The childhood of my rest again. Levno impatient mourner stand In hollow sadness near my bed-But let me rest upon the hand, And let me hear the gentle tread Of her, whose kindness long ago, And still unworn away by years, Has made my weary eyelids flow With greatful and admiring tears!

1 go-but let no plaintive tone The moment's grief of friendship tell And let no proud and graven stone Say where the weary slumber dwell A lew short hours-and then for Heaven! Let sorrow all her fear dismiss-For who would mourn the warning given, Which calls us from a world like this ?

which it has hitherto been his will to ar- not so before on account of their yielding sequently the apparent part of the comet ment.

length of fearing danger from the shock course impossible to decide between these of a comet, nevertheless imagine that any very ingenious explanations, so as to say while such a body is visible, or going to of the cometary state be just, we cannot even among the educated classes, ima- some other cause.

gined that the heats of last September and The only remaining point of any magcho, from this side of the channel, the is any fluid medium in space, of such spemanner atoresaid.

please him to alter the course of events matter may become visible, which were little specific information on this subject. prosperity disposes them to take the world With regard to the cause of the tails of well, and view aliens with a kindly asrange. It is impossible to produce any too little light. The third is, that the co- comets, we can say nothing with certain- pect. They often hold wealth by an unother argument on the subject, consistent- metary matter may consist, like a fog, of ty. Their existence affords a strong pre- certain tenure, and therefore lay the less ly with the design of this paper ; the pro- small particles of moisture floating in a sumption for the very little density of the stress upon its possession. There is also and compare facts, and to say what will be, medium, being hotter near to the sun, ren- ed as being in a continuation of the line parts of Glasgow Society, which enables if things continue as they have been ; it ders invisible, by raising their temperature, drawn from the sun to the comet ; it has, a stranger to join its ranks without in aught never presumes even to conjecture what and turning them into vapour. If this were however, been shown, that they always fall disarranging them. There is plenty of shall be, when the power which has hi- the case, it is evident, that as the comet a little behind this line with respect to the wealth for all, and no one need be jealous therto disposed events in one manner, shall approached the sun, the fog at the edges, comet's path, and have sometimes been lest anotherpull the morsel from his mouth. judge it right to ordain a different arrange- so to speak, would be cleared up, and con- even perpendicular to it. That of 1680 And as there is little distinction of ranks in There are many who, without going the rendered less, and vice versa. It is of part of it might have been in the observer's for jealousy on the score of pretension. All was 141 millions of miles in length. Some in vain among such towns as Edinburgh. onusually hot weather which happens which is the more probable ; if our notions comets have had what we may call a suc- where society consists of two distinct clasbe visible, is caused by it in some measure deny that the two first must produce some with a vacant space between every two. continued irritation and fret, by the reserve at least. To such a circumstance the fine effect ; but the greater part of the pheno- The conjectures as to the nature and for- on the one hand of the upper ranks, vintage of 1811 was attributed, and many, menon may still be due to the third or mation of these singular attendants are en- and on the other by the forward ambition

As to the multitude of idle theories with prevails a perpetual straining to appear August were occasioned by the approach nitude, connected with the known facts which, for want of better information, this members of the higher ranks of society ofof Biela's comet. We can certainly re-e- of comets, is the question, whether there part of astronomy has been loaded, such ten at a ruinous expense, and where the complaint which M. Arago makes, in the cific gravity, as to offer a sensible resist- by matter struck off from the sun by one much secret poverty and want of substan-Annuaire for 1832, already alluded to, of ance to their motion. The question of re- comet ; that another caused the deluge ; tial comfort, in Glasgow there is compathe scarcity of the meanest knowledge of sistance, or no resistance, is one of great that the four small plauets were formerly ratively none of these peculiarities. There scientific facts among the middle ranks of importance, as the stability of our system one which was broken in pieces by a the internal abundance of comfort of the society. With a burning sun over head, depends in a great measure upon it. The third ; that the moon was originally a co- domicile ordinarily supercedes the reliance we have heard those, who might have solar system would be said to be stable, met, and the like ;-we would willingly on outward architectural splendour, and known better, accusing the comet in the strictly speaking, if it were so constructed amuse our readers by an account of them, the satisfaction of being in good circumthat its motions might continue for ever in if our limits permitted. They will howe- stances leaves little to be desired as to It appears, however, from the table of the manner now observed, without any ver find them all, handsomely exposed by the vanities of an ideal superiority of rank. M. Arago, in which the mean tempera- such change, arising from the mutual at- M. Arago, in the Annuaire already cited. The social interchange of friendly com-

MISCELLANEOUS. From the Companion to the Brilish Almanack for 1833. INFORMATION CONNECTED WITH THE CALENDAR AND THE NATURAL PHE. NOMENA OF THE YEAR ; AND WITH NA-TURAL HISTORY AND PUBLIC HEALTH. ON COMETS.

moderate intensity would hide, have been seen through its most central parts .----Thus Seneca mentions the fact of stars having been seen through comets; Sir 1795 ; Professor Struve saw one of the eleventh through that of Encke ; and Sir John Herschel, in the memoir already cited, (in col. 2, note,) informs us, that on the evening of the 23d of September last, he saw a whole cluster of stars of the sixteenth magnitude, almost through the very centre of Biela's comet, the light of which, according to Sir John Herchel, could not bave passed through less than 50,000 these of 1811 and 1823.

number of camets observed in that year, were launched into space, without any those who first made them : for a result gow, has been highly advantageous to the that there is no visible connexion between particular arrangement of their motions, produced on insufficient evidence is bad, general interests of the citizens.the one and the other. Thus 1806 and the chances for the stability of such a sys- whether true or false. As the science of The remarkable hauteur of manner which 1811 were both hot years, the first how- tem would be very small. We observe in astronomy approaches towards perfection, is so observable among the mass of the ever hotter than the second, though the the solar system the following facts, which we shall doubtless add some important and population of Edinburgh, and which afirst had one comet only of no note, and mathematical analysis shows us are all interesting facts to our knowledge of co- mounts to a species of horror of coming

The appearances of comets are, as far the second had two, one of which was the necessary to its stability, as far as the plan- mets. as appearances can be, proofs of their most brilliant which the present genera- ets are concerned :--1. The sun is very very small mass. The phenomenon of tion has seen. Again, the year 1826, with much greater than any one of them, and its five comets, was not so hot as 1831, the planets are placed at such distances papers of satistical information, that no may, can only be accounted for on the which had only one. That hot years in from one another, that the attraction of the country on this side of the Atlantic has ex- leading the town into the most ridiculous supposition that the comets themselves are general have more comets than cold ones san upon each is always very much great- hibited so speedy a rise from poverty and projects and the most grievous debts, as, of very small density. But even the ne- is very true, and for this simple reason, or than that of the other planets. 2. They idleness to opulence and habits of indus- by the total want of concert, in almost all that the former, generally giving a finer all move in the same direction round the try as Scotland. Within the last sixty or cases, the inhabitants have been imposed so rare, that small stars, which a fog of sky, are more favourable for their disco- sun. 3. The erbits are very nearly circu- seventy years this naturally poor, and by upon by small factions of designing indivivery. We must not forget that the grea- lar and are inclined to one another at small no means fortunately situated country, has duals. The opposite freedom of interter number of such bodies are not visible angles. From these circumstances, and undergone a perfect revolution in its ap- course which, as we say, is pursued in to the naked eye. Thus all the years be- the law of gravitation, it has been deduc- pearance and character. So striking and Glasgow, gives at all times room for a tween 1803 and 1831 inclusive, the tem- ed that the average distances of the plan- gratifying an instance of what can be ac- thorough investigation of all public matperature of which exceeded the average, ets from the sun, and also the average mo- complished by perseverance under diffi- ters, which generally stand or fall by the nitude through the center of the comet of mustered 29 comets between them; and tions, are invariable, or at least will conti- culties and peaceful pursuits, is particu- prevalent opinion. The voice of all, morethe remaining, or cold years, only 15 - nue the same for a number of ages, which, larly exemplified in the history and pre- over, is concentrated by a species of re-We must therefore say, not that the comets to our limited ideas, give the notion of eter- sent condition of the city of Glasgow. brought the heat, but rather that the heat nity. But all this is on the supposition, This large and populous town, which en- Exchanges-a mode of collecting general brought the weather which made the co- that there is no fluid which offers any re- joys a pleasant situation on the north bank sentiment unknown in Edinburgh, where mets visible. In the period above men- sistance to the planetary motions ; if such of the Clyde, at the head of the naviga- institutions of this kind have never suctioned there were 44 comets observed, a fluid exist, however small its density may tion of that beautiful river, originated in ceeded, principally from the existing dread counting distinct appearances of the same be, it can be shown that it continually de- the sixth century, as the seat of comet as different; of which only two were creases the mean distances and increases pious ecclesiastic, named Mungo, and in the least remarkable for brilliancy- the mean motions. Observation teaches continued for many ages little else than Edinburgh, it has to be stated, that before this us, that the mean distances of theplanets an episcopal village. So long did it con-

miles of the matter of the comet. As nei- Having shown that some comets are be- are invariable, or at least that, if they do tinue to be a place of small consideration, prosperity, and ere wealth had been so univerchange at all, the variation is so small, that it was not until the year 1630 that it sally diffused throughout all parts of its comany effects of refraction which would have conjecturing, with a great degree of prbabi it has not become perceptible to our best possessed a printing press, and it was only munity, there seems to have existed in it as been very apparent had the cometic mat- lity, that the same is true of all, we may men- instruments in hundreds of years. The at the revolution of 1688 that a regular marked a division as may be observed in all ter been even many times rarer than our tion a phenomenon which has been seve- resisting fluid, therefore, if it exists, is of an quay was erected for the reception of the less commercial cities at the present day. Maatmosphere, (if indeed, they could have ral times remarked by different observers, extremely small density. Comets offer vessels which navigated the Clyde. Un- by of the earlier merchants of Glasgow were been seen at all through such a mass, viz. that in their approach to the sun they the only chance left to us at present til the year 1707, when the highly advanwhich may fairly be doubted,) we are en- appear to contract their dimensions, or the of settling the question ; being of very tageous measure of the Union took place, fondly clung to even by lowlanders. When titled to conclude that those comets, at nebulous head of the body diminishes in little density themselves, their motion the traffic carried on by export was confi- the Virginia and other foreign trades, therefore, least, which are best known to us, are of apparent diameter. As they recede from will encounter more resistance than that ned to transactions with the continent of prospered in their hands, and enabled them to a rarity far exceeding that of any matter the sun they begin to dilate again. To of the planets, for the same reason that a Europe, but even at the best, on a small hold up their heads perhaps a little higher than as it exists at the surface of our globe. - explain this phenomenon some have had feather will fall more slowly to the ground scale. It was not till the Union took ef- even the cousins, or brothers, or nephews, who If any man should assert that the largest recourse to the highly elastic fluid or other, than the same weight of iron. If there fect, that any thing like a real and advan- represented their own families, they did not be a resisting medium, it will certainly di- tageous system of commerce was instituted. had not only a little blood, but, moreover, a minish the mean distance of the comet, At this auspicious epoch, Glasgow rose on good deal of money. Assuming, the complete and increase its mean motion; and this phe- the ruins of many small towns on the east air proper to Scottish Gentlemen, of what is nomenon has been observed in the comet coast of Scotland, particularly those of Fife now called the old school, they wore, it is said, of Encke, which is the one with which we whose trade it acquired. As Bailie Nicol fipe scarlet cloaks deeply trimmed with gold or are the best acquainted. Professor Encke Jarvie was pleased to express himself- silver lace, cocked hats, and canes, not lorger. therefore be confined within smaller limits. says*-' If I may be permitted to express " nane were keeper against the Union ting under-clothes of costly velvet, and silver As we are not writing for the scientific To this it is answered, and justly, that my opinion on a subject which for twelve than the Glasgow folk, wi' their mobe?" and their mob As we are not writing for the wealth and birth, they could be compa-part of the community, we will say a few such an explanation might suffice, if the years has incessantly occupied me, in and their mobs," and their mobs," and ed, we believe, to no race of men but to the words on a very general fear which pre- comet had an exterior case, which, not be- treating which I have avoided no me- none have profited to such an extent by merchant princes and nobles of Venice. In vails-namely, that the near approach of a ing incompressible itself should hinder the thod, however circuitous, no kind of verifi- this judicious measure. In short, the lact, they formed among themselves a class discomet would break our planet in pieces, or ether from penetrating the light body of cation in order to reach the truth as far as the Union opened up a trade with the tinct from all their fellow townsinen; a sort of at least produce a great accession of heat, vapour. In the memoir of Sir John Her. it lay is my power ; I cannot consider it American and other colonies, induced the mercantile aristocracy. Such were the walksufficient perhaps to destroy animal and schel already quoted, three distinct possi- otherwise than completely established, manufacture of lawns, cambricks, muslins, inshaws, the Crosses, the Sterlings, and the vegetable life, if not to burn the world al- ble causes are suggested, two of which are that an extraordinary correction is neces- and other articles of similar fabric, and Glassfords, of whom it is recorded by the tratogether. The argument seems to have entirely independent of an ethereal fluid, sary for Pons' comet"-that is, the one created that energy of mind in the people originated in a notion, that because heat and all so probable, that it may be the phe- which all the world, except Professor that has placed them in the highest rank took it ill if any inferior person presumed to produces expansion, therefore very highly nomenon is partly due to every one of Encke's comet-" and e- of commercial enterprize and intelligence. approach or jostle them. They considered it expanded bodies must needs be very hot, them. In the first place, on account of qually certain, that the principal part of Though this great emporium of the com- a vast condescension to a shopkeeper or retail-It would be as good an argument to say, the great rarity of cometic matter, it may it consists in an increase of the mean mo- merce and manufactures of Scotland pos- erif they acknowledged him in passing upon the that because expansion by any other means be that what we call coheston exists only tion proportionate to the time." Professor sesses not either the picturesqueness or street; and if they were graciously pleased to except heat, produces cold, that therefore in a very triffing degree, so that perhaps Airy adds, 'I cannot but express my belief, the elegance of the legal and aristocratic walk a little way with him along the pavement, all comets must be very cold; and neither we ought to consider the motion of the se- that the principal point of the theory, viz., capital, it is nevertheless an impressive and argument would, in the least degree, af- veral parts of the comet independently of an effect exactly similar to that which fine city. The number of its spires and making his fortune. Though this supercisiousford matter even for a rational conjecture. the others. For example, if the durnal ro- a resisting medium would produce, is per- the judicious arrangement of its fine buil- their prevails throughout the community of We can form so little idea of what the state tation of the earth were suddenly stopped, fectly established by the reasoning in dings-the more general prevalence of a Glasgow that system of equality already noticof a planet of vapour, it may be consisting and it continued in that state to move Encke's memoir," . If this conclusion be moderate degree of elegance in the private ed, society is not altogether deficient now, any only of one sort of matter, would be, that round the sun, the parts nearest to the correct, we may predict that, in time, this structures, and the grace given to the more than formerly; in what may be considerwe might with as much reason speculate sun, being more attracted by it, would, comet and every other will fall into the whole by the Clyde, are points in which it ed an aristocracy. Among the active manuupon the possible organization of the pos- if they were free to move by themselves, sun ; we know, however, that the medi- surpasses the more ambitious city of the upon the possible and orbit differing in a slight um, if it exists, cannot sensibly effect the east. It possesses various other advanta- highly elevated and enlightened minds, who pour, as try, in the present state of our degree from that of the parts which planetary motions for a great number of ges in point of outward appearance. Its form a sort of nobility, These men, though centuries. There seems to be some cause in ope- the more ancient district. The college life, display a munificence of disposition, and a ration by which the brilliancy of comets buildings, the finest in Scotland before the proud feeling of honour in their dealings the earth in the next century ; not one of bit really described by the earth's centre is continually diminishing. That of Hal- erection of those in Edinburgh, and still which might add lustre to coronets and garters. these which are known, unless the laws of lies between those which would be describ- ley, in one of its preceding revolutions, possessing the superior merit of more It is perhaps their noblest characteristic, that nature be singularly altered, but some one ed by the parts nearest to and farthest from is described as giving a degree of light nearly resembling the splendid models of whatever may be their superiority over the rest or other yet to come. It has been shown, the sun. We have hitherto considered certainly superior to that which it gave in Oxford, have also a highdignifying effect. Of the citizens in point of capital, they exhibit no disposition to withdraw themselves from, or, to but by considerations of so high a nature the comet as one mass of matter, the mobut by considerations of so high a nature the comet as one mass of matter, the mo- 1682 and 1759. Sir John Herschel could The Trongate, which, with its continua- use other language, lord it over their less emithat the result cannot be expected to bring tion of every part of which influences that only see Biela's comet through a reflect- tions, intersects the whole city from east nent brethren. They, on the contrary, disdain much conviction to any but a mathema- of the rest. If however, it should consist ing telescope of twenty feet in length, an to west, is a noble piece of street scenery, not to attend daily to the minutest details of tician, that if a comet were launched at of particles so little bound together by co- instrument of enormous power in the col- indeed one of the finest things of the kind their business, and, on the agitation of any pubhazard into our system, for one orbit in besion, as to allow of each particle de- lection of light; and though he afterwards in Europe. Few of the streets are irre- lic measure, are usually the first to take an inwhich it could strike the earth there are scribing, or nearly describing, its own in- found it with a refracting telescope, he gular or mean, while many of them may terest in it, and the most active in carrying it 281 millions in which no such thing could dependent orbit, the consequence would asserts that he never should have succeed- be called fine ; and what must add greatly their talent, their well-won and well used. take place as the laws of nature stand at be just the phenomenon observed-name- ed with the latter, unless he had previous- to the pleasure experienced by a stranger wealth, their greatness and their humility, enpresent. The advocates of cometary in- ly that it would contract as it approached ly known where to look for it. If the contemplating them, is, that all are filled litle them to the admiration of even those who terference (we have met with some whose the sun, and dilate as it receded again from parts of the comet have so little cohesion, during the whole day by crowds of pros may be least disposed to applaud greatness in manner of expressing their opinion on the it. To illustrate this, draw several ellip- as has been, with great probability, con- perous and happy looking people, who the first generation. subject almost entitles them to that name) ses about the same focus, very near to one jectured, it may easily lose a part of its walk at a lively pace, and in whose eyes usually suppose a special interposition of another, and let one particle move upon substance as it passes through a resisting some animating piece of business or of A LL Persons having any demands against late of Fredericton, in the County of York, de-The men of Glasgow-for by this appelceased, are requested to render their accounts prophecies,) they suppose will bring a co- distance from the sun, they increase their tronomische Nachrichten, and has been trans- lation are they distinguished in popular duy attested within three months from this date met on the earth. They are usually peo- distance from one another, and vice versa. lated into English by Professor Airy, with an Ap- phraseology, from the folk of Greeneck -and all those indebted to the said Estate are ple of some religious feeling, and would The second explanation proposed by Sir pendix in which the latter gentleman fully coin- and the bodies of Paisley-shine peculiarrequested to make immediate payment to act more consistently with the idea they John Herschel is that, perhaps, by the There are conclusion of Professor Encke. - Iy in the walk of social hospitality. There WILLIAM GROSVENOR,) is an openness of heart about them, that at JOHN A. BECKWITH, once wins the affection and admiration of WILLIAM N. AKERLY, Fredericton, 21st May 1883. strangers. They are prosperous, and

ture of every year, from 1803 to 1831 in- tractions as would endanger the safety of If any, or all of them, should be hereafter munication, which is produced by the simclusive, is placed side by side with the any one planet. If a number of planets proved to be true, it will be no excuse for plicity of character in the people of Glas-

A GLANCE AT GLASGOW. be in the slightest degree inferior as to It has been remarked in some of our worldly circumstances or family connection, has been unfortnuately the cause of

> Although such are the characteristics of Society in Glasgow, in comparison with that of mercantile capital arrived at its present pitch of upon a particular side of the Trongate, and making his fortune. Though this superciliousprodigious wealth, and, at the same time,

> > Adminis-

trators.

comet ever seen, including its millions of which, as we shall presently see, has been miles of tail, contained no more matter than supposed to fill the solar system at least. is to be found in the New River Head, he If this ether, say they, be denser as we might justly be blamed for asserting more approach nearer the sun, we must expect than he knew, but certainly any one who that the comet will be more compressed by positively denied the fact would deserve it as it approaches its perihelion; and will the same censure.

knowledge, to ascertain whether any and are farthest from the sun. But as, owing what degree of danger awaits us from such to the cohesion of the various parts of the the Divine power, which, (resting on their each from the perihelion. It will be evi- medium. We have however as yet but pleasure may constantly be read. own interpretation of certain Scriptural dent that, as the particles increase their *In a dissertation which appeared in the Asought to have of their own ignorance and motion of the comet from the sun, and its of science will give great weight to these authothe Divine power, if they ceased to pre- consequent appearance in a darker part rities, to say nothing of their calculations being scribe to the Creater in what way it should of the heavens, some layers of nebulous before the world.