MISCREED ARE 2005 From the Companion to the British Almana for 1833.

NFORMATION CONNECTED WITH TH CALENDAR AND THE NATURAL PHE NOMENA OF THE YEAR ; AND WITH NH TURAL HISTORY AND PUBLIC HEALTH. should be somewhat exaggerated.

ON COMETS. THE year which has just passed away ha been distinguished by the predicted appear ance* of two comets, the most remarkabl which have yet fallen under the notice o astronomers. These are what are commonly called the comets of Encket and Bielat. The latter has been an object of fear to many on account of the nearcess with which it has approached, not the earth; put a point of the earth's path. public attention has thus been turned on this subject to an unusual degree, we seize this opportunity of laying before our readers a slight account of the present state of cometary astronomy, distinguishing that which we really know of these bodies from the many surmises to which they have given rise.

The signification of the word comet has varied, as new bodies have appeared which analogy has led astronomers to include under that name. It was first given, as the word denotes, to bodies which apor tail, and thus included some of the me-

If from all that has been said upon com- ing against a heavy one, though with great by the deceased.

be placed side by side with the opinions of piter is accelerated, while that of Saturn treated us badly."

some notion of the manner in which we And it is shown, by a process independ- conversation I had with him, that he was sporting world .- Dublin Evening Packet. come to know that which we'do know, and ent of this observation, that Jupiter con- a great sufferer from the proposed measome reasons for the most probable among tains more than twice the quantity of mat- sures of government, on the West India the conjectures. Those who would read ter of Saturn. After some ages, the mo- question, which he said were as much a

more of the history of surmises on this tion of Jupiter will cease to be accelerated, robbery upon the holders of property in point, are recommended to consult the and that of Saturn to be retarded. After that part of the world, as it would be if a Annuaire of the French Board of Longi . which, that of Jupiter will begin to be re- man were forcibly deprived of his estate in tude for 1831, in which will be found a tarded, while that of Saturn will begin this country.

most amusing, as well as instructive, art- to be accelerated. Hence, if a comet Mr. Patrick Cruikshank, of No. 8, icle on this subject, by M. Arago; an so large, or rather so heavy, as to bear Cornwall-terrace, sworn-I am a West In-English version of which appeared in the an appreciable proportion to the mass dia merchant. I saw the deceased on Saof a planet, were to be disturbed by turday last, and he was then perfectly col-Times newspaper some months ago. That a comet is a material body is prov- the latter in any considerable degree, the lected, but very low and desponding when ed by the same sort of reasoning which comet itself would produce a degree of dis. he touched upon West India matters ; my is applied to the planets. Firstly, it either turbance in the motion of the planet, which mercantile house in the city have been the

reflects the light of the sun, or shines by would be perceptible to our instruments. London agents of deceased for four or five its own light ; which of the two has never Thus, if Halley's comet, which was re- years ; on the subject of the West India peared in the heavens with a train of light, been distinctly proved ; perhaps both sup- tarded between 1682 and 1579, more than question he was greatly depressed, appearpositions may be true. Matter is always 500 days by the action of Jupiter, had ing to dread the effects of the impending teors which belong to our own atmosphere. present where light is either emitted or been only the twenty thousandth part of measures which government had brought

Is against the Turks, who had gained some | very great compared with the other, the found in his desk from his agent at Glas-| SURPRISING HORSEMANSHIP;-On the successes, but also against a comet, which effect which the smaller produces upon the gow (Mr. Thompson) must have produc- morning of the 20th Captain Parker, of was supposed to have had some hand io, greater is small, compared with that which ed upon him. That letter stated that he the Royal Artillery, quartered at Charleor at least to have foretold them. When the greater produces upon the less. This (Mr. Thompson) had stopped the sailing mont, rode his bay horse, The Admiral. such impressions prevailed it was natural is analogous [though the two phenomena of one of his (deceased's) ships. It also from Charlemont Fort to Newry and back that the appearance of the warning body must not be confounded] to a fact of eve- contained a refusal to make some remit- in two hours and twentyfive minutes-a ry day observation, that a light body strik- tances which it appeared were expected distance of 53 English miles. The time allowed for the performance was 3 hours

ets, we take that which we certainly know, velocity, produces, nevertheless, but a By the jury-I saw the deceased on the but the Captain havinggot considerable odds we shall have left a mass of conjectures of small change in the velocity of the great- day before his death, and he was constant- that he would not do it in two hours and a every grade of probability, from the one er one, and vice versa. For example, in ly dwelling on the West India question, half, won all his bets by having five minutes which may be considered as nearly proved, the motion of Jupiter and Saturn it is ob- observing, 'What will become of us ? It to spare. Thus did he accomplish the astonto those which, in point of evidence, might served, that the average velocity of Ju- will be utter ruin-the government have ishing distance of 21 miles an hour with one horse, which 'exceeds, by far, all feats of

Bodin or Calixtus." We shall try to give is retarded more than twice as much .- Mr. Langley-I heard him say in the horsemanship ever performed in the

ROBBERY AT CONGASH --- On Friday last the house of Captain John Grant, Congash, factor for the Earl of Seafield, in Strathspey, was entered into during the time the owner and servants were at Grantown market, and two bags of silver, containing about 1401. sterling, with about 50 guinea notes, were stolen, leaving another bag containing about fifty sovereigns and a parcel of 5001., which were lying in the same place, untouched,.... Great exertions have been made to discover the thieves, but without effect. Sushouse at a former period. -- Caledonian Mercury.

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We now apply the word to those heavenly bodies, without the limits of our own me mosphere, which are nebulaus in their appearance, and with or without a tail. W may divide all which have been observed into three classes : 1. Those whose returns have been predicted, and the prediction verified by the fact. These are three in number, viz., the celebrated comet o Halley, observed by him in 1682, which returned, according to his conjecture (for it could then hardly be called more) in 1759, and will appear again in 1835; its time of revolution is about seventy-six years. The other two are those above mentioned. of Encke and Biela, which perform their revolutions respectively in about three years, fifteen weeks, and six years, thirtyeight weeks. 2. Comets whose return has been predicted unsuccessfully. these there is only one of any note, viz that which appeared in 1770. This, was found, should have returned in five years and a-half, if the observations made of it were correct ; however it never could be found again. This phenomenon threw doubt upon the return of comets, until the success of Laplace in devising methods for the calculation of the effects arising from the mutual attractions of our system recalled the attention of astronomers to this almost forgotten failure. It had been found that the comet of 1770, in its approach to the Sun, had passed so near to Jupiter, that, on the theory of gravitation, the attraction of the latter was 200 times as great as that of the former. On applying the methods of Laplace to this case, it was found that, in 1767, while the comet was describing an orbit of more than 50 years, its motion was changed by the action of Jupiter so that it described the orbit observed in 1770; and that in 1779, it came again so near to Jupiter that the preceding effect was reversed, and the orbit was again changed into one of long duration. 3. Comets which have been observed, the predicted return of which is yet to be expected. The most remarkable of these is the one observed by Olbers in 1815, which we may now safely say will return in 1887. 4. Comets which were observed at a time when neither theory nor observation was in a state sufficiently perfect to enable the observers to say whether they would return or not ; and others, the orbits of which are upcertain, owing to the weather or other secidents not permitting them to be sufficiently well obserred. Of these there are a great many, some of which may yet be recovered. For, long before the time of revolution of a comet could be found, astronomers knew how to determine, 1. The magnitude and position of its least distance from the sun. Where its orbit cut the ecliptic. The inclination of its orbit to the ecliptic. If a future comet should strongly resemble, any one already observed in these particulars, and if its time of revolution as hereafter determined, should permit of its having been seen about the time of the former comet, we shall have sufficient reason to conclude that the two are one and the same, We must not, however, expect that the accounts of ancient writers on this subject with regard to the form of comets will ever be verified; such for example, as those which describe comets in the shape of a sword, or surrounded with a shaggy mane To say nothing of our never having observed such appearances in the course of the last century and a half, we must recollect the well-known fact, that comets were formerly considered as warnings of impending evils, or, at least, of remarkable changes. Thus Bodin, who died in 1596, gives it as his opinion that they are the souls of illestrious men, who have remained many ages upon the earth in the capacity of guardian angels, (for so the context must be inter-

reflected, at least on our globe. Second- the mass of Jupiter, its effect upon the forward-in fact, in consequence of those Is, comets are found to be acted upon by latter would have been even then most measures, his agent at Glasgow had sudthe laws of gravitation exactly as all other distinctly perceptible by good instruments. denly made demands which he was not material bodies are, they are attracted by The same thing would take place now if prepared to meet. In a letter to me, datthe sun, and move [so far, at least, as we the mass of that comet were very much ed this day week (the 22d,) he said, the can make out] in ellipses, or other conic less, and yet, in the former case, it would demand from the Glasgow agent was so sections, and this motion is disturbed, or, be less than one sixtieth part of the earth. unexpected, that it was impossible for him technically speaking, perturbed by the at- But there are two much more conclusive to bear up against it; it was a demand, traction of the planets, especially by the arguments. Laplace found, that if the he said, which he had never contemplatlarger planets, Jupiter or Saturn. In this comet of 1770 had only been the five thous- ed, and which he was, therefore, unpremanner they have furnished one of the andth part of the earth, it would have pared to pay, and there could be no doubt which they had fallen, and for a length of time most decisive proofs of the Newtonian the lengthened our year by three seconds. No that the demands were made by the Glasory of gravitation. We have already men- such alteration has takenplace, and the com- gow firm in order to save themselves from tioned the comet of 1770 ; but this, it may et must, therefore have been less than the the general ruin which the measures allube said by those who cannet examine the five-thousandth part of the earth. The same | ded to would bring dowe.

calculations for themselves, was a trick of body passed between the satellites of Jupi- The evidence terminated here ; and the the astronomers, to account for their own ter in 1779 without producing any effect; a jury after viewing the body, returned a it is thought, by many respectable and influen failure. We will therefore cite another very little quantity of matter, much less verdict-" That the deceased destroyed tial individuals, that the circulation of a Religi instance, in which the effects of planetary than the five thousandth part of the earth, himself while in a state of temperary deperturbation were very great, were pre- would have been sufficient to derange that rangement."-London 1st June. dicted before the event, and verified by it system perceptibly.

The comet of 1682; or of Halley, it is well But it may be asked, are we certain known, was predicted by him as likely to that we know the length of the year with appear in 1757. This he concluded from such accuracy, that a difference of three observing that a comet with a similar orbit seconds would be of sufficient magnitude had appeared in 1531 and 1607. He how- to be discoverable by our instruments ?--ever remarked, that as the comet would, if to give an idea of the possibility of this, we his supposition were true, pass near to Ju- will state the following fact. Some years piter and Saturn, some alteration might be ago, Professor Airy of Cambridge, propoexpected from the attractions of these plan- sed a method of determining the moon's ets. In 1757, while astronomers were be- mass, which required accurate observaginning to look for the expected body, with tions of Venus near her conjunction. no very great hopes of its reappearance, An ephemeris of this planet was accord-Lalande proposed to Clairaut to undertake ingly prepared, containing the computed the computation of the effect of the planets time at which the planet should pass the upon the comet. These names may not meridian daily, for that part of the year be so well known to our readers as to ma- 1830, in which the conjunction of Venus. thematicians and astronomers ; we will, happened ; this was forwarded to different therefore, inform them, that Lalande was astronomers, English and continental, with a practical astronomer of great eminence, a request that they would observe the real and that Clairaut was a mathematician and time of the meridian passage at their vanatural philosopher of even greater cele- rious observatories. Among the observabrity. So little wedded were these men to tions which were made in consequence, the system of gravitation, that the first dis- those of Professor Santini, of Padua, were

TO THE EDITOR OF THE LONDON GLOBE . AN UNPRECEDENTED AND MYSTERIOUS OCCURRENCE .- Sir, the following most extraordinary occurrence took place on board one of my fishing vessels last week, for the accuracy of which I pledge myself, although the most credulous would scarcely believe its authenticity. The crew of the vessel, consisting of nine men, will be ble care from the most approved authors and willing at may time to come forward upon standard works, on the subjects of Religious. their oaths, if required, and attest the truth of this singular affair. If you Mr. Editor, consider the narrative deserving a place in your paper, it may ultimately throw some light upon the hidden transaction, and will greatly oblige Your obedient servant,

Lowestoff, May 27, 1833.

On Monday last, the 20th inst., a fishing vessel belonging to Lowestoff, Robert Gowing master, engaged in the mackerel fishery, was lying at sea, about nine leagues. carded, or, at least, threw doubt upon, the so arranged as to show how much they

PROSPECTUS OF A WEEKLY PAPER. TO BE ENTITLED THE CHRISTIAN REPORTER. AND

TEMPERANCE ADVOCATE. THE present era is one marked by the transpiration of events connected with the diffusion of religious knowledge and the establishment of pious habits. Christians of various denominations, awaking from the deep and le thargic slumbers of spiritual supineness into remained, are now combining their energies, and zealously employing their efforts in the promotion of the present and future happiness of their fellow men. At a period, then, like the present when so much activity of a beneficial nature is evinced in other portions of the world, ous and Temperance Paper, throughout the Provinces of New-Brunswick and Nova-Scotia, would add its quota towards the supression of vice and the advancement of piety. With the desire of contributing, in a greater or less degree, to the securement of an object, so lauda ble as the one mentioned, through the efficient instrumentality of the Press, the present periodical will be commenced.

The Christian Reporter and Temperance Advocate will be composed of original matter, and Extracts, selected with the greatest possi Temperance, Morals, Arts, Science, Natural and Moral Philosophy, and on any other topic calculated to interest and improve.

To the subject of Temperance, or the total abstinence from the use of ardent shirits special attention will be paid ; assured that intem perance presents a most formida'ole barrier to the extention of religion, and the enjoyments G. S. Gowing. of personal, domestic and civil well-being, open ing an actual floodgate to the overwhelming torrents of misery and vice in. all their diversified shades and deplorable characters.

It may be also stated, that an abstract of passing events, or General Intelligence will be given .- The propriety of uniting in a condenseastward of Lowestoff, in 26 fathoms wa- ed manner, general intelligence, with the more ter; the crew during the day cast their ostensible objects of the Christian Reporter &c., is so evident as not to require, in the prospectus, a minute or prarticular illustration. Of this the public may rest assured, that every exertion will be used, to render the Christian Reporter and Temperance Advocate worthy of their patronage-embracing in its pages all that variety of subjects which may have a tendency so to instruct and henefit them in things relating to their present and future existence

theory of the return of comets, on account differed from the ephemeris. The difof the non-appearance of that of 1770, al- ference was, in only a very few instances, ready mentioned ; while the second, on so great as one second, and was, for the account of some unexplained phenomena, most part, nearer to half a second. And imagined that Newton had mistaken the this result is not considered as anything law according to which the mutual attrac- remarkable. tions of planets depend upon their distance. The two undertook the enormous labour above mentioned; and the result was, that Clauraut announced, in the year 1758, that the revolution which was actually taking place, would be 618 days longer than the preceding one, that is, the one which took place between 1607 and 1682. the same time, he observed, that the methods of calculation were yet so incomplete, that the result could not be depended upon within thirty days. If his conclusion had been quite correct, the comet would have come to its perihelion, or nearest point to the sun, about the middle of April, 1759 ; and it did arrive there on the 13th of March of the same year, within the thirty days which had been allowed for errors. We may further remark, that the comets of 1832, of which that of Encke has once before appeared, according to prediction, and that of Biela* has been al ready observed by Sir J. Herschel, both very near their predicted places, could not have had their tables constructed without a strict attention to the planetary perturbations. From such facts we are justified in assuming that comets are material bodies, subject, like the planets, to the attraction of the sun and other bodies of our system, and describing an elliptic orbit round the sun nearly, the difference being attributable to the action of the planets, or, perhaps in some degree, to a resisting medi-

The next question is, comets being matorial, what is their guantity of matter that is, if brought to the earth without al teration of thei: dimensions, would they

fishing lines into the sea for the purpose of catching codfish and haddock (the produce of which is a privilege the crew have exclusively to themselves.) Upon haul-

(Concluded in our next.)

SUICIDE OF A WEST-INDIA MERCHANT. Thursday an inquest was held at the Blue Posts, Charlotte-street, Fitzroy-square, West India merchant. Mr. Brown, who was about 50 years of age, had recently arrived in England, and engaged apartments on the 22nd instant, at Mr. Pitman's house, 28, Upper Cherlotte street. wife, four children, and two servants were with him. Mr. Browne slept alone, and on Tuesday morning his youngest son, aged eight, went into his room to ask ' how his papa did,' and on receiving no answer, he pulled the clothes aside, and found his father bleeding; an alarm was given, and it then appeared that the deceased was in a dying state. He had inflicted a deep wound in his left arm, about an inch aed testimony to the fact. boye the elbow, and then held it over basin, which contained 5lbs of blood. Mr. Ellis surgeon, of Charlotte street, was called in, and the deceased, who was unable to speak, died in an hour after his arrival. It appeared that the deceased applied to Mr. Langley, chemist, No. Tottenham Court Road, for an ounce of laudanum or Poiny Root. Mr. Langley very properly refused to sell him so large caught.

Mr. Peter Cesgrave, surgeon, of 14, Surry street, Strand, deposed that the deceased was under his care about four or five years ago, when he came home from the West Indies in ill health from Dropsy; when he retarned home this last time be sent for witness to attend him ; witness observed a great difference in his mental

a quantity.

ing up their lines they had caught several cod and other fish ; one of the former was of unusual size, and the master proposed it should be brought on shore for sale; but being detained at sea until the following day, it was agreed that the large codon the body of Duncan Browne, Esq., a fish should be cleaned and dressed for the the belly was observed to be of unusual size, which induced them to be particular in ascertaining its contents,-when upon slitting it open, to the utter astonishment of the master and part of the crew (the remaining part of them being in the cabin,) a new born infant, in a perfect state, preeyes. The master immediately summoned that part of the crew which were below, upon deck. that the whole of them nine in number, should witness this unprecedented phenomenon, and bear their unit-

> They immediately began to examine the little innocent, which they describe as a very fine full grown male child, perfectly formed, with toe and finger nails complete, and having dark brown hair on the back part of its litile head ; nor was it at all disfigured or decomposed, and from its appearance could not have been taken by the fish but a few hours before it was

The master is a married man, with family, a distant relation of mine, and one in whom I place the greatest confidence ; but I have no doubt he would have been the last man to believe in such an occurrence had he not been the very person who witnessed it,

found alive, as that would much enhance panied with Cash and the Insertions will.

As there is not, at present, a Provincial Periodical of a precisely similar character, the ensuing morning. Upon opening the fish hope is indulged that the contemplated Paper of which this is the Prospectus, will be favou :ably received by the friends of religion and temperance in both of the Provinces, and obtain from them such, support as may ensure its establishment, perpetuity and prosperity.

TERMS :- The Christian Reporter and Temperance Advocate will be published Weekly, at the CITY GAZETTE OFFICE, Saint John, m sented itself to their almost unbelieving folio form, on an Imperial sheet, at 12s. and 6d. per annum, exclusive of postage ; one half pay able in advance-the other in six months .-The Laper will appear as soon as a sufficient number of subscribers to cover the expense is obtained. All arrearages must be paid before any subscription can be discontinued, except.at the discretion of the Editor.

N. B.-A limited number of advertisements, not inconsistent with the avowed principles of the paper, will be admitted. Saint John, June 6, 1833. IS Subscriptions for the above Paper will be received at the City Gazette Office.

Blanks for Sale at this Office

THE ROYAL GAZETTE. TERMS-16s. per Annum, exclusive of Postage.

Advertisements not exceeding Twelve Lines will be inserted for Four Shillings and Sixpence the first and one Shilling and Sixpence for each succeeding In-*_* It is a pity that the child was not sertion. Advertisements must be accom-

