

How the Famous Comets of History Looked and How They Compare in Size.

Mary Proctor Fells of Similar Scares in the showing the combination of good and evil yet the fearful go away shaking their pectation that the world be year 1861 without any harmful results. they saw it in the evening sky, the would influences attributed to one and the same heads, dreading they know not what, and smashed to atoms by coming in contact On that occasion an observer records that French thought it was the cause of the comet on this momentous occasion. reminding one of the numerous victims | with Halley's comet. "the sky had a yellow, auroral, glare- disastrous floods which occurred during Past, Occurring Every Time These It would be well if our own times were of comet scares in days gone by. They expected the encounter, and as a like look." The comet was plainly visible the month of January, and in England free from these idle fears concerning As recently as November, 1872, such a result one of their watchmen, seeing a during sunshine at 7:45 P. M. some feared that it might have something Blazing Visitors Were Expected, cometary influence, for it would prove comet scare prevailed, causing people al- blaze in an adjoining village, immediately In confirmation of the statement that to do with the downfall of the House of that men were unaffected by the debas- most to die of fright, and the following is arrived at the conclusion that the end there was something unusual and inde- Lords. ing effects of ignorance and superstition. an extract from a letter which was pubof the world had come. scribable happening, E. J. Lowe, the and All Proved Groundless. To return to Halley's comet, there is Why should bodies traveling uniformly lished in an Atlanta newspaper at that He went through the village blowing a well-known meteorologist, states that in absolutely no reason why any alarm in definite paths under the influence of time: horn, so as to awaken every one, and his parish church the vicar had the pul- should be felt on its account. Even when, the law of gravity be regarded as special "The fear which took possession of making the terrible announcement to pit candles lighted at 7 o'clock, which at its nearest, it will be some 14,000,000 By MARY PROCTOR. through the comet and we will all burn messengers warning men either of good many citizens has not yet abated. those who hastened out of doors to learn proves that some sensation of darkness miles distant from our planet, and un-The ·up? Tell me if it is true, also when shall or evil approaching them? the cause of the alarm, that the end of was felt even while the sun was shin- less its train increases from its present, general expectation hereabouts was that DISMAL report is circulating to we be able to see the comet! Please Good and evil prevail in the world, the comet would be heard from on Saturthe world was at hand. length of 2,000,000 miles there will not the effect that Halley's comet is excuse this letter, but I don't want to ing. comet or no comet, but the broad shoul- day night. As one result, the confession-The women and children screamed with Though unaware at the time that the even be the possibility of our planet being about to cause the destruction of drie." ders, or rather head, of Halley's comet als of the two Catholic churches were fright, and the men, overcome with ter- comet's tail was enveloping the earth, immersed in cometary débris on the night our planet, and as we draw near- So alarmed are certain ignorant and must bear the blame of every disaster both crowded yesterday evening. ror, hastened into their homes and pro- he was so struck by the singularity of of May 18 at 11:20, as announced. erithe fateful date of May 18, a grave superstitious Chinese, on account of the dikely to occur on or before the fateful "As the night advanced there were cured all the eatable's obtainable. These what he saw that he made the followfealing of apprehension is excited in the announcement that the earth will pass May 18, Like a huge moth the comet hovered were taken to a square in front of the ing entry in his day-book: many who insisted that they could detect near the sun, that is, comparatively near, minds of those who are very naturally through the train of the comet, with a A man who could believe that Halley's a change in the atmosphere. The air "A singular yellow phosphorescent on April 20, for the distance in actual church, where a great fire was lighted. airaid of something they cannot under possible bombardment of cometary macomet, whose return was predicted with- they said, was stifling. It was wonderful and every one feasted. In between glare, very like diffused Aurora Borgalis, miles was about 100,000,000. terial laden with the poisonous gas oyanostand. in four weeks in 1759, and within three to see how many persons gathered from mouthfuls, we are told, the villagers appeared, yet, being daylight, such Au-It then passed rapidly on its way, but Here is a gigantic monster in the sky gen, directed toward Japan. China, and days, (so greatly has our knowledge of different sections of the city around the with a head over two hundred thousand India, that it has been found necessary, by the planets and their disturbing influ- newspaper offices with substantially the rora could scarcely be noticeable. prayed not unscathed. Like the moth which yen-The And this took place in the present en- comet itself," he states, "had a much tures too near the flame of the lamp. miles in width (according to measures the Chinese Literature Society to issue ence on the planets increased,) in 1910, lightened days, when the appearance of more hazy appearance than on any subsame statement. the comet has been singed by the fierce recently made by Prof. Barnard of the posters giving reproductions of Halley's a messenger specially sent from a comet in the sky should be welcomed glare of sunlight beating upon the par-" As a consequence many families of the sequent evening." Yerkes Observatory.) and a train two mill- comet as delineated on the famous Bayeux heaven on these occasions, or on the better class kept watch all night, in order with delight, though, of course, in this in-In the accompanying illustration, the ticles of which it is composed. ion miles in length, rushing through space tapestry, by Matilda of Flanders in 1066. other occasions during which it has vis- that if the worst came they might be stance, there was some excuse for the comet of 1861. is the one of fan-like struc-These have been driven away from its Queen Matilda had drawn all the most at the alarming rate of a thousand miles ited our neighborhood during the past awake to meet it. To-night all the ignorance of the peasants. head in consequence, and spread out like memorable events in the eventful career ture. with some six or seven tails. The a minúte. 2,000 years, would believe anything. In churches are full, and sermons suited to But there are people nearly as bad living fact that the earth passed through the A mighty fan millions of miles in width. On May 18 the earth will be plunged in of her husband. William the Conqueror, such a case reasoning is almost hopeless. the terrible occasion are being delivered." in cities within reach of all the advantages As it receiles from the neighborhood train of this comet was known to comand the comet which was considered rethis white hot mass of glowing gas, and, Astronomers are being suspected as con- In 1858 Donati's comet was seen by Mr. of education, and with numberless opporparatively few, until after the event was the sun the train will gradually diminsponsible for his defeat of Harold at the according to the report of the ignorant spiring together to keep the uninitiated in Willis Barnes at Latrobe, Penn., and he tunities provided to hear the best authori- over. and superstitous, the world will be set on Battle of Hastings is represented in one ish in size, until finally the could disignorance of the true fate awaiting our relates the following as giving an inties lecture on Halley's comet and allay Next to it and in the upper left-hand appears in space in the undecorated conof the corners with the inscription. "Isti fire. planet. They are besieged with letters stance of the fear inspired by this comet. dition in which it first made its ap-Mirantur Stellam." which proves that it corner of the same illustration , is a sensation makers further say

that the oceans on the side faoing the comet will be boiled by the intense heat. and the land scorched and blistered as the dread wanderer passes by on its baneful this comet!

was considered a veritable marvel. It is said even to be traditionally reported that one of the jewels of the British crown was taken from the tall of

and inquiries as to the threatened end of He said that there was a German woman the world, and when Sir David Gill stat- who entertained young and old by telling

ed at a lecture given a few weeks ago in them marvelous stories of the marching London that we knew little or nothing armies she could see in the sky, follow- of material so flimsy that we can see or long enough to reach from the earth train, should in no way cause unneces-

about comets, a lady was heard to re- ing in the train of the comet, and she

their fears by a clear, rational explanation of the peculiarities of these celestial drawing of the magnificent comet which pearance. wanderers.

appeared in the year 1811.

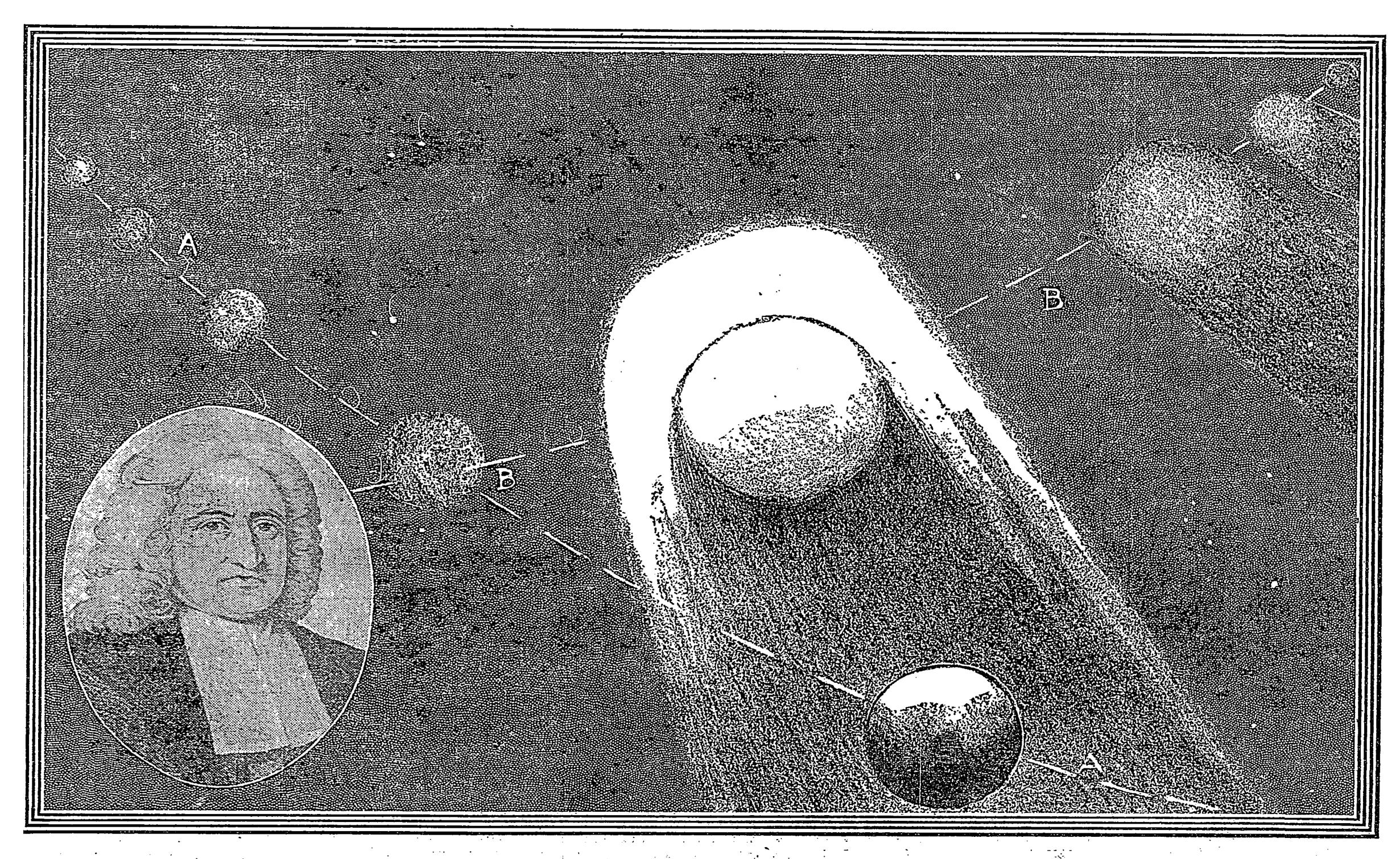
The poisonous oyanogen gas, which has How can these objects which are made It had a train 100,000,000 miles in length, been detected in the composition of 1.18

stars right through their trains, as easily to the sun and about 8,000,000 miles be- sary alarm. way. prophesied that a great war was at hand, jas the light of a candle can be seen yond. Though the size of the comet is enor-William the Conqueror looked upon the mark: How the report started, and by whom it "It is his business to find out. He when the civil war of 1861 broke out. it through a gauze veil, do us any harm? The width of the train at the end was mous, the particles of which it is mule comet as a good omen in his favor, statis difficult to trace, but the harm is done. We hear daily of people overcome with ing that it was a sign from heaven that ought to be ashamed of himself, inviting was considered that her prophecy had Even though we "plunge through it," about 15,000,000 miles. No wonder this are excessively minute. terror, one committing suicide, preferring a kingdom wanted a King. us to come to a lecture on comets, at 4 come true. as some writers describe it, at a rate flaming object in the sky excited the ut-"As a result," according to Prof. ME-However, it was viewed with special shillings a seat, and then telling us he This was the old idea, that comets bring exceeding that of a cannon ball fifty most fear and a dread that it was a chell of Columbia University, "the numto choose his own manner of death rather than await the coming of the final de- alarm by the English, who attributed the does not know anything about them." In their wake war, pestilence, and death, times, or about 1,000 miles a minute, no messenger announcing the end of the ber of particles per cubic mile in the struction of the earth. Another has gone downfall and death of Harold to its bane- Where do the comets come from? and apparently from the present feeling more harm can come to us, as Sir Robert world. Even the so-called Daylight comet comet's tail is vanishingly small. Hence, insane, and numberless other cases, if ful influence. The woe-begone look on Where are they going? known might be added, showing the harm Harold's face, as he received the tidings to hit the earth? Will it really be de- would seem that the old ideas still prevail. a rhinoceros plunged through a spider's in the lower right-hand corner of the tail, it is there in such small quantities which has been done by the sensational of William the Conqueror's arrival at stroyed by fire? These are some of the Only a few days ago a report came web. illustration, excited a comet scare on a articles which have been published ac- Hastings, is also faithfully depicted by endless questions asked, and answered from Vienna that the peasants in a small In fact, the earth plunged through the small scale. companied by lurid illustrations show- Queen Matilda on the Bayeux tapestry to the best of an astronomer's knowledge, Hungarian village were in momentary ex-I train of a comet which appeared in the I The peasants in Portugal provide when the laboratory it would probably take the ing purely imaginary effects of the

cumct.

Even children are afraid of the approaching comet, as evidenced by the following pathetic letter from a little girl eleven years old at a school in New York. It was sent to the writer last March, while she was in England, and reads as follows:

"I am in a very bad fix, in fact the whole school is. Every one says that the world will come to an end on the 18th of the month. Is it true the earth is to pass



that could we have a cubic mile of the tail concentrated into a glass beaker in greatest refinement of chemical research to detect the cyanogen. "In addition, the earth is covered with a shell of atmosphere thousands of times denser than the comet's tail, and the

particles could not possibly penetrate to the earth's surface."

Then let us enjoy the approach of the comet as the experience of a lifetime, giving us a practical illustration of the marvelous law of gravitation and a spectacular display of cometary glory on a magnificent scale

Diagram showing the passing of the earth and the comet. The comet moves from the upper right-hand corner of the diagram toward the lower. left-hand corner along the line B. The earth is shown moving from the upper left-hand corner toward the lower right-hand corner along the line A. The portrait is of Sir Edmund Halley, discoverer of the present comet.

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