

Wells Herbert George

# Tales of Space and Time



**Herbert Wells**  
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*Tales of Space and Time:*

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## Tales of Space and Time

### THE CRYSTAL EGG

There was, until a year ago, a little and very grimy-looking shop near Seven Dials, over which, in weather-worn yellow lettering, the name of "C. Cave, Naturalist and Dealer in Antiquities," was inscribed. The contents of its window were curiously variegated. They comprised some elephant tusks and an imperfect set of chessmen, beads and weapons, a box of eyes, two skulls of tigers and one human, several moth-eaten stuffed monkeys (one holding a lamp), an old-fashioned cabinet, a flyblown ostrich egg or so, some fishing-tackle, and an extraordinarily dirty, empty glass fish-tank. There was also, at the moment the story begins, a mass of crystal, worked into the shape of an egg and brilliantly polished. And at that two people, who stood outside the window, were looking, one of them a tall, thin clergyman, the other a black-bearded young man of dusky complexion and unobtrusive costume. The dusky young man spoke with eager gesticulation, and seemed anxious for his companion to purchase the article.

While they were there, Mr. Cave came into his shop, his beard still wagging with the bread and butter of his tea. When he saw

these men and the object of their regard, his countenance fell. He glanced guiltily over his shoulder, and softly shut the door. He was a little old man, with pale face and peculiar watery blue eyes; his hair was a dirty grey, and he wore a shabby blue frock coat, an ancient silk hat, and carpet slippers very much down at heel. He remained watching the two men as they talked. The clergyman went deep into his trouser pocket, examined a handful of money, and showed his teeth in an agreeable smile. Mr. Cave seemed still more depressed when they came into the shop.

The clergyman, without any ceremony, asked the price of the crystal egg. Mr. Cave glanced nervously towards the door leading into the parlour, and said five pounds. The clergyman protested that the price was high, to his companion as well as to Mr. Cave – it was, indeed, very much more than Mr. Cave had intended to ask, when he had stocked the article – and an attempt at bargaining ensued. Mr. Cave stepped to the shop-door, and held it open. "Five pounds is my price," he said, as though he wished to save himself the trouble of unprofitable discussion. As he did so, the upper portion of a woman's face appeared above the blind in the glass upper panel of the door leading into the parlour, and stared curiously at the two customers. "Five pounds is my price," said Mr. Cave, with a quiver in his voice.

The swarthy young man had so far remained a spectator, watching Cave keenly. Now he spoke. "Give him five pounds," he said. The clergyman glanced at him to see if he were in earnest, and, when he looked at Mr. Cave again, he saw that the

latter's face was white. "It's a lot of money," said the clergyman, and, diving into his pocket, began counting his resources. He had little more than thirty shillings, and he appealed to his companion, with whom he seemed to be on terms of considerable intimacy. This gave Mr. Cave an opportunity of collecting his thoughts, and he began to explain in an agitated manner that the crystal was not, as a matter of fact, entirely free for sale. His two customers were naturally surprised at this, and inquired why he had not thought of that before he began to bargain. Mr. Cave became confused, but he stuck to his story, that the crystal was not in the market that afternoon, that a probable purchaser of it had already appeared. The two, treating this as an attempt to raise the price still further, made as if they would leave the shop. But at this point the parlour door opened, and the owner of the dark fringe and the little eyes appeared.

She was a coarse-featured, corpulent woman, younger and very much larger than Mr. Cave; she walked heavily, and her face was flushed. "That crystal *is* for sale," she said. "And five pounds is a good enough price for it. I can't think what you're about, Cave, not to take the gentleman's offer!"

Mr. Cave, greatly perturbed by the irruption, looked angrily at her over the rims of his spectacles, and, without excessive assurance, asserted his right to manage his business in his own way. An altercation began. The two customers watched the scene with interest and some amusement, occasionally assisting Mrs. Cave with suggestions. Mr. Cave, hard driven, persisted in a

confused and impossible story of an enquiry for the crystal that morning, and his agitation became painful. But he stuck to his point with extraordinary persistence. It was the young Oriental who ended this curious controversy. He proposed that they should call again in the course of two days – so as to give the alleged enquirer a fair chance. "And then we must insist," said the clergyman, "Five pounds." Mrs. Cave took it on herself to apologise for her husband, explaining that he was sometimes "a little odd," and as the two customers left, the couple prepared for a free discussion of the incident in all its bearings.

Mrs. Cave talked to her husband with singular directness. The poor little man, quivering with emotion, muddled himself between his stories, maintaining on the one hand that he had another customer in view, and on the other asserting that the crystal was honestly worth ten guineas. "Why did you ask five pounds?" said his wife. "*Do* let me manage my business my own way!" said Mr. Cave.

Mr. Cave had living with him a step-daughter and a step-son, and at supper that night the transaction was re-discussed. None of them had a high opinion of Mr. Cave's business methods, and this action seemed a culminating folly.

"It's my opinion he's refused that crystal before," said the step-son, a loose-limbed lout of eighteen.

"But *Five Pounds!*" said the step-daughter, an argumentative young woman of six-and-twenty.

Mr. Cave's answers were wretched; he could only mumble

weak assertions that he knew his own business best. They drove him from his half-eaten supper into the shop, to close it for the night, his ears aflame and tears of vexation behind his spectacles. "Why had he left the crystal in the window so long? The folly of it!" That was the trouble closest in his mind. For a time he could see no way of evading sale.

After supper his step-daughter and step-son smartened themselves up and went out and his wife retired upstairs to reflect upon the business aspects of the crystal, over a little sugar and lemon and so forth in hot water. Mr. Cave went into the shop, and stayed there until late, ostensibly to make ornamental rockeries for goldfish cases but really for a private purpose that will be better explained later. The next day Mrs. Cave found that the crystal had been removed from the window, and was lying behind some second-hand books on angling. She replaced it in a conspicuous position. But she did not argue further about it, as a nervous headache disinclined her from debate. Mr. Cave was always disinclined. The day passed disagreeably. Mr. Cave was, if anything, more absent-minded than usual, and uncommonly irritable withal. In the afternoon, when his wife was taking her customary sleep, he removed the crystal from the window again.

The next day Mr. Cave had to deliver a consignment of dogfish at one of the hospital schools, where they were needed for dissection. In his absence Mrs. Cave's mind reverted to the topic of the crystal, and the methods of expenditure suitable to a windfall of five pounds. She had already devised some very

agreeable expedients, among others a dress of green silk for herself and a trip to Richmond, when a jangling of the front door bell summoned her into the shop. The customer was an examination coach who came to complain of the non-delivery of certain frogs asked for the previous day. Mrs. Cave did not approve of this particular branch of Mr. Cave's business, and the gentleman, who had called in a somewhat aggressive mood, retired after a brief exchange of words – entirely civil so far as he was concerned. Mrs. Cave's eye then naturally turned to the window; for the sight of the crystal was an assurance of the five pounds and of her dreams. What was her surprise to find it gone!

She went to the place behind the locker on the counter, where she had discovered it the day before. It was not there; and she immediately began an eager search about the shop.

When Mr. Cave returned from his business with the dog-fish, about a quarter to two in the afternoon, he found the shop in some confusion, and his wife, extremely exasperated and on her knees behind the counter, routing among his taxidermic material. Her face came up hot and angry over the counter, as the jangling bell announced his return, and she forthwith accused him of "hiding it."

"Hid *what?*" asked Mr. Cave.

"The crystal!"

At that Mr. Cave, apparently much surprised, rushed to the window. "Isn't it here?" he said. "Great Heavens! what has become of it?"

Just then, Mr. Cave's step-son re-entered the shop from the inner room – he had come home a minute or so before Mr. Cave – and he was blaspheming freely. He was apprenticed to a second-hand furniture dealer down the road, but he had his meals at home, and he was naturally annoyed to find no dinner ready.

But, when he heard of the loss of the crystal, he forgot his meal, and his anger was diverted from his mother to his step-father. Their first idea, of course, was that he had hidden it. But Mr. Cave stoutly denied all knowledge of its fate – freely offering his bedabbled affidavit in the matter – and at last was worked up to the point of accusing, first, his wife and then his step-son of having taken it with a view to a private sale. So began an exceedingly acrimonious and emotional discussion, which ended for Mrs. Cave in a peculiar nervous condition midway between hysterics and amuck, and caused the step-son to be half-an-hour late at the furniture establishment in the afternoon. Mr. Cave took refuge from his wife's emotions in the shop.

In the evening the matter was resumed, with less passion and in a judicial spirit, under the presidency of the step-daughter. The supper passed unhappily and culminated in a painful scene. Mr. Cave gave way at last to extreme exasperation, and went out banging the front door violently. The rest of the family, having discussed him with the freedom his absence warranted, hunted the house from garret to cellar, hoping to light upon the crystal.

The next day the two customers called again. They were received by Mrs. Cave almost in tears. It transpired that no one

*could* imagine all that she had stood from Cave at various times in her married pilgrimage... She also gave a garbled account of the disappearance. The clergyman and the Oriental laughed silently at one another, and said it was very extraordinary. As Mrs. Cave seemed disposed to give them the complete history of her life they made to leave the shop. Thereupon Mrs. Cave, still clinging to hope, asked for the clergyman's address, so that, if she could get anything out of Cave, she might communicate it. The address was duly given, but apparently was afterwards mislaid. Mrs. Cave can remember nothing about it.

In the evening of that day, the Caves seem to have exhausted their emotions, and Mr. Cave, who had been out in the afternoon, supped in a gloomy isolation that contrasted pleasantly with the impassioned controversy of the previous days. For some time matters were very badly strained in the Cave household, but neither crystal nor customer reappeared.

Now, without mincing the matter, we must admit that Mr. Cave was a liar. He knew perfectly well where the crystal was. It was in the rooms of Mr. Jacoby Wace, Assistant Demonstrator at St. Catherine's Hospital, Westbourne Street. It stood on the sideboard partially covered by a black velvet cloth, and beside a decanter of American whisky. It is from Mr. Wace, indeed, that the particulars upon which this narrative is based were derived. Cave had taken off the thing to the hospital hidden in the dog-fish sack, and there had pressed the young investigator to keep it for him. Mr. Wace was a little dubious at first. His relationship to

Cave was peculiar. He had a taste for singular characters, and he had more than once invited the old man to smoke and drink in his rooms, and to unfold his rather amusing views of life in general and of his wife in particular. Mr. Wace had encountered Mrs. Cave, too, on occasions when Mr. Cave was not at home to attend to him. He knew the constant interference to which Cave was subjected, and having weighed the story judicially, he decided to give the crystal a refuge. Mr. Cave promised to explain the reasons for his remarkable affection for the crystal more fully on a later occasion, but he spoke distinctly of seeing visions therein. He called on Mr. Wace the same evening.

He told a complicated story. The crystal he said had come into his possession with other oddments at the forced sale of another curiosity dealer's effects, and not knowing what its value might be, he had ticketed it at ten shillings. It had hung upon his hands at that price for some months, and he was thinking of "reducing the figure," when he made a singular discovery.

At that time his health was very bad – and it must be borne in mind that, throughout all this experience, his physical condition was one of ebb – and he was in considerable distress by reason of the negligence, the positive ill-treatment even, he received from his wife and step-children. His wife was vain, extravagant, unfeeling, and had a growing taste for private drinking; his step-daughter was mean and over-reaching; and his step-son had conceived a violent dislike for him, and lost no chance of showing it. The requirements of his business pressed heavily upon him,

and Mr. Wace does not think that he was altogether free from occasional intemperance. He had begun life in a comfortable position, he was a man of fair education, and he suffered, for weeks at a stretch, from melancholia and insomnia. Afraid to disturb his family, he would slip quietly from his wife's side, when his thoughts became intolerable, and wander about the house. And about three o'clock one morning, late in August, chance directed him into the shop.

The dirty little place was impenetrably black except in one spot, where he perceived an unusual glow of light. Approaching this, he discovered it to be the crystal egg, which was standing on the corner of the counter towards the window. A thin ray smote through a crack in the shutters, impinged upon the object, and seemed as it were to fill its entire interior.

It occurred to Mr. Cave that this was not in accordance with the laws of optics as he had known them in his younger days. He could understand the rays being refracted by the crystal and coming to a focus in its interior, but this diffusion jarred with his physical conceptions. He approached the crystal nearly, peering into it and round it, with a transient revival of the scientific curiosity that in his youth had determined his choice of a calling. He was surprised to find the light not steady, but writhing within the substance of the egg, as though that object was a hollow sphere of some luminous vapour. In moving about to get different points of view, he suddenly found that he had come between it and the ray, and that the crystal none the less remained luminous.

Greatly astonished, he lifted it out of the light ray and carried it to the darkest part of the shop. It remained bright for some four or five minutes, when it slowly faded and went out. He placed it in the thin streak of daylight, and its luminousness was almost immediately restored.

So far, at least, Mr. Wace was able to verify the remarkable story of Mr. Cave. He has himself repeatedly held this crystal in a ray of light (which had to be of a less diameter than one millimetre). And in a perfect darkness, such as could be produced by velvet wrapping, the crystal did undoubtedly appear very faintly phosphorescent. It would seem, however, that the luminousness was of some exceptional sort, and not equally visible to all eyes; for Mr. Harbinger – whose name will be familiar to the scientific reader in connection with the Pasteur Institute – was quite unable to see any light whatever. And Mr. Wace's own capacity for its appreciation was out of comparison inferior to that of Mr. Cave's. Even with Mr. Cave the power varied very considerably: his vision was most vivid during states of extreme weakness and fatigue.

Now, from the outset this light in the crystal exercised a curious fascination upon Mr. Cave. And it says more for his loneliness of soul than a volume of pathetic writing could do, that he told no human being of his curious observations. He seems to have been living in such an atmosphere of petty spite that to admit the existence of a pleasure would have been to risk the loss of it. He found that as the dawn advanced, and the amount

of diffused light increased, the crystal became to all appearance non-luminous. And for some time he was unable to see anything in it, except at night-time, in dark corners of the shop.

But the use of an old velvet cloth, which he used as a background for a collection of minerals, occurred to him, and by doubling this, and putting it over his head and hands, he was able to get a sight of the luminous movement within the crystal even in the daytime. He was very cautious lest he should be thus discovered by his wife, and he practised this occupation only in the afternoons, while she was asleep upstairs, and then circumspectly in a hollow under the counter. And one day, turning the crystal about in his hands, he saw something. It came and went like a flash, but it gave him the impression that the object had for a moment opened to him the view of a wide and spacious and strange country; and, turning it about, he did, just as the light faded, see the same vision again.

Now, it would be tedious and unnecessary to state all the phases of Mr. Cave's discovery from this point. Suffice that the effect was this: the crystal, being peered into at an angle of about 137 degrees from the direction of the illuminating ray, gave a clear and consistent picture of a wide and peculiar countryside. It was not dream-like at all: it produced a definite impression of reality, and the better the light the more real and solid it seemed. It was a moving picture: that is to say, certain objects moved in it, but slowly in an orderly manner like real things, and, according as the direction of the lighting and vision changed, the picture

changed also. It must, indeed, have been like looking through an oval glass at a view, and turning the glass about to get at different aspects.

Mr. Cave's statements, Mr. Wace assures me, were extremely circumstantial, and entirely free from any of that emotional quality that taints hallucinatory impressions. But it must be remembered that all the efforts of Mr. Wace to see any similar clarity in the faint opalescence of the crystal were wholly unsuccessful, try as he would. The difference in intensity of the impressions received by the two men was very great, and it is quite conceivable that what was a view to Mr. Cave was a mere blurred nebulosity to Mr. Wace.

The view, as Mr. Cave described it, was invariably of an extensive plain, and he seemed always to be looking at it from a considerable height, as if from a tower or a mast. To the east and to the west the plain was bounded at a remote distance by vast reddish cliffs, which reminded him of those he had seen in some picture; but what the picture was Mr. Wace was unable to ascertain. These cliffs passed north and south – he could tell the points of the compass by the stars that were visible of a night – receding in an almost illimitable perspective and fading into the mists of the distance before they met. He was nearer the eastern set of cliffs, on the occasion of his first vision the sun was rising over them, and black against the sunlight and pale against their shadow appeared a multitude of soaring forms that Mr. Cave regarded as birds. A vast range of buildings spread below

him; he seemed to be looking down upon them; and, as they approached the blurred and refracted edge of the picture, they became indistinct. There were also trees curious in shape, and in colouring, a deep mossy green and an exquisite grey, beside a wide and shining canal. And something great and brilliantly coloured flew across the picture. But the first time Mr. Cave saw these pictures he saw only in flashes, his hands shook, his head moved, the vision came and went, and grew foggy and indistinct. And at first he had the greatest difficulty in finding the picture again once the direction of it was lost.

His next clear vision, which came about a week after the first, the interval having yielded nothing but tantalising glimpses and some useful experience, showed him the view down the length of the valley. The view was different, but he had a curious persuasion, which his subsequent observations abundantly confirmed, that he was regarding this strange world from exactly the same spot, although he was looking in a different direction. The long façade of the great building, whose roof he had looked down upon before, was now receding in perspective. He recognised the roof. In the front of the façade was a terrace of massive proportions and extraordinary length, and down the middle of the terrace, at certain intervals, stood huge but very graceful masts, bearing small shiny objects which reflected the setting sun. The import of these small objects did not occur to Mr. Cave until some time after, as he was describing the scene to Mr. Wace. The terrace overhung a thicket of the

most luxuriant and graceful vegetation, and beyond this was a wide grassy lawn on which certain broad creatures, in form like beetles but enormously larger, reposed. Beyond this again was a richly decorated causeway of pinkish stone; and beyond that, and lined with dense *red* weeds, and passing up the valley exactly parallel with the distant cliffs, was a broad and mirror-like expanse of water. The air seemed full of squadrons of great birds, manœuvring in stately curves; and across the river was a multitude of splendid buildings, richly coloured and glittering with metallic tracery and facets, among a forest of moss-like and lichenous trees. And suddenly something flapped repeatedly across the vision, like the fluttering of a jewelled fan or the beating of a wing, and a face, or rather the upper part of a face with very large eyes, came as it were close to his own and as if on the other side of the crystal. Mr. Cave was so startled and so impressed by the absolute reality of these eyes, that he drew his head back from the crystal to look behind it. He had become so absorbed in watching that he was quite surprised to find himself in the cool darkness of his little shop, with its familiar odour of methyl, mustiness, and decay. And, as he blinked about him, the glowing crystal faded, and went out.

Such were the first general impressions of Mr. Cave. The story is curiously direct and circumstantial. From the outset, when the valley first flashed momentarily on his senses, his imagination was strangely affected, and, as he began to appreciate the details of the scene he saw, his wonder rose to the point of a passion.

He went about his business listless and distraught, thinking only of the time when he should be able to return to his watching. And then a few weeks after his first sight of the valley came the two customers, the stress and excitement of their offer, and the narrow escape of the crystal from sale, as I have already told.

Now, while the thing was Mr. Cave's secret, it remained a mere wonder, a thing to creep to covertly and peep at, as a child might peep upon a forbidden garden. But Mr. Wace has, for a young scientific investigator, a particularly lucid and consecutive habit of mind. Directly the crystal and its story came to him, and he had satisfied himself, by seeing the phosphorescence with his own eyes, that there really was a certain evidence for Mr. Cave's statements, he proceeded to develop the matter systematically. Mr. Cave was only too eager to come and feast his eyes on this wonderland he saw, and he came every night from half-past eight until half-past ten, and sometimes, in Mr. Wace's absence, during the day. On Sunday afternoons, also, he came. From the outset Mr. Wace made copious notes, and it was due to his scientific method that the relation between the direction from which the initiating ray entered the crystal and the orientation of the picture were proved. And, by covering the crystal in a box perforated only with a small aperture to admit the exciting ray, and by substituting black holland for his buff blinds, he greatly improved the conditions of the observations; so that in a little while they were able to survey the valley in any direction they desired.

So having cleared the way, we may give a brief account of this

visionary world within the crystal. The things were in all cases seen by Mr. Cave, and the method of working was invariably for him to watch the crystal and report what he saw, while Mr. Wace (who as a science student had learnt the trick of writing in the dark) wrote a brief note of his report. When the crystal faded, it was put into its box in the proper position and the electric light turned on. Mr. Wace asked questions, and suggested observations to clear up difficult points. Nothing, indeed, could have been less visionary and more matter-of-fact.

The attention of Mr. Cave had been speedily directed to the bird-like creatures he had seen so abundantly present in each of his earlier visions. His first impression was soon corrected, and he considered for a time that they might represent a diurnal species of bat. Then he thought, grotesquely enough, that they might be cherubs. Their heads were round, and curiously human, and it was the eyes of one of them that had so startled him on his second observation. They had broad, silvery wings, not feathered, but glistening almost as brilliantly as new-killed fish and with the same subtle play of colour, and these wings were not built on the plan of bird-wing or bat, Mr. Wace learned, but supported by curved ribs radiating from the body. (A sort of butterfly wing with curved ribs seems best to express their appearance.) The body was small, but fitted with two bunches of prehensile organs, like long tentacles, immediately under the mouth. Incredible as it appeared to Mr. Wace, the persuasion at last became irresistible, that it was these creatures which owned

the great quasi-human buildings and the magnificent garden that made the broad valley so splendid. And Mr. Cave perceived that the buildings, with other peculiarities, had no doors, but that the great circular windows, which opened freely, gave the creatures egress and entrance. They would alight upon their tentacles, fold their wings to a smallness almost rod-like, and hop into the interior. But among them was a multitude of smaller-winged creatures, like great dragon-flies and moths and flying beetles, and across the greensward brilliantly-coloured gigantic ground-beetles crawled lazily to and fro. Moreover, on the causeways and terraces, large-headed creatures similar to the greater winged flies, but wingless, were visible, hopping busily upon their hand-like tangle of tentacles.

Allusion has already been made to the glittering objects upon masts that stood upon the terrace of the nearer building. It dawned upon Mr. Cave, after regarding one of these masts very fixedly on one particularly vivid day, that the glittering object there was a crystal exactly like that into which he peered. And a still more careful scrutiny convinced him that each one in a vista of nearly twenty carried a similar object.

Occasionally one of the large flying creatures would flutter up to one, and, folding its wings and coiling a number of its tentacles about the mast, would regard the crystal fixedly for a space, – sometimes for as long as fifteen minutes. And a series of observations, made at the suggestion of Mr. Wace, convinced both watchers that, so far as this visionary world was concerned,

the crystal into which they peered actually stood at the summit of the endmost mast on the terrace, and that on one occasion at least one of these inhabitants of this other world had looked into Mr. Cave's face while he was making these observations.

So much for the essential facts of this very singular story. Unless we dismiss it all as the ingenious fabrication of Mr. Wace, we have to believe one of two things: either that Mr. Cave's crystal was in two worlds at once, and that, while it was carried about in one, it remained stationary in the other, which seems altogether absurd; or else that it had some peculiar relation of sympathy with another and exactly similar crystal in this other world, so that what was seen in the interior of the one in this world was, under suitable conditions, visible to an observer in the corresponding crystal in the other world; and *vice versa*. At present, indeed, we do not know of any way in which two crystals could so come *en rapport*, but nowadays we know enough to understand that the thing is not altogether impossible. This view of the crystals as *en rapport* was the supposition that occurred to Mr. Wace, and to me at least it seems extremely plausible...

And where was this other world? On this, also, the alert intelligence of Mr. Wace speedily threw light. After sunset, the sky darkened rapidly – there was a very brief twilight interval indeed – and the stars shone out. They were recognisably the same as those we see, arranged in the same constellations. Mr. Cave recognised the Bear, the Pleiades, Aldebaran, and Sirius: so that the other world must be somewhere in the solar system, and,

at the utmost, only a few hundreds of millions of miles from our own. Following up this clue, Mr. Wace learned that the midnight sky was a darker blue even than our midwinter sky, and that the sun seemed a little smaller. *And there were two small moons!* "like our moon but smaller, and quite differently marked" one of which moved so rapidly that its motion was clearly visible as one regarded it. These moons were never high in the sky, but vanished as they rose: that is, every time they revolved they were eclipsed because they were so near their primary planet. And all this answers quite completely, although Mr. Cave did not know it, to what must be the condition of things on Mars.

Indeed, it seems an exceedingly plausible conclusion that peering into this crystal Mr. Cave did actually see the planet Mars and its inhabitants. And, if that be the case, then the evening star that shone so brilliantly in the sky of that distant vision, was neither more nor less than our own familiar earth.

For a time the Martians – if they were Martians – do not seem to have known of Mr. Cave's inspection. Once or twice one would come to peer, and go away very shortly to some other mast, as though the vision was unsatisfactory. During this time Mr. Cave was able to watch the proceedings of these winged people without being disturbed by their attentions, and, although his report is necessarily vague and fragmentary, it is nevertheless very suggestive. Imagine the impression of humanity a Martian observer would get who, after a difficult process of preparation and with considerable fatigue to the eyes, was able to peer at

London from the steeple of St. Martin's Church for stretches, at longest, of four minutes at a time. Mr. Cave was unable to ascertain if the winged Martians were the same as the Martians who hopped about the causeways and terraces, and if the latter could put on wings at will. He several times saw certain clumsy bipeds, dimly suggestive of apes, white and partially translucent, feeding among certain of the lichenous trees, and once some of these fled before one of the hopping, round-headed Martians. The latter caught one in its tentacles, and then the picture faded suddenly and left Mr. Cave most tantalisingly in the dark. On another occasion a vast thing, that Mr. Cave thought at first was some gigantic insect, appeared advancing along the causeway beside the canal with extraordinary rapidity. As this drew nearer Mr. Cave perceived that it was a mechanism of shining metals and of extraordinary complexity. And then, when he looked again, it had passed out of sight.

After a time Mr. Wace aspired to attract the attention of the Martians, and the next time that the strange eyes of one of them appeared close to the crystal Mr. Cave cried out and sprang away, and they immediately turned on the light and began to gesticulate in a manner suggestive of signalling. But when at last Mr. Cave examined the crystal again the Martian had departed.

Thus far these observations had progressed in early November, and then Mr. Cave, feeling that the suspicions of his family about the crystal were allayed, began to take it to and fro with him in order that, as occasion arose in the daytime or night,

he might comfort himself with what was fast becoming the most real thing in his existence.

In December Mr. Wace's work in connection with a forthcoming examination became heavy, the sittings were reluctantly suspended for a week, and for ten or eleven days – he is not quite sure which – he saw nothing of Cave. He then grew anxious to resume these investigations, and, the stress of his seasonal labours being abated, he went down to Seven Dials. At the corner he noticed a shutter before a bird fancier's window, and then another at a cobbler's. Mr. Cave's shop was closed.

He rapped and the door was opened by the step-son in black. He at once called Mrs. Cave, who was, Mr. Wace could not but observe, in cheap but ample widow's weeds of the most imposing pattern. Without any very great surprise Mr. Wace learnt that Cave was dead and already buried. She was in tears, and her voice was a little thick. She had just returned from Highgate. Her mind seemed occupied with her own prospects and the honourable details of the obsequies, but Mr. Wace was at last able to learn the particulars of Cave's death. He had been found dead in his shop in the early morning, the day after his last visit to Mr. Wace, and the crystal had been clasped in his stone-cold hands. His face was smiling, said Mrs. Cave, and the velvet cloth from the minerals lay on the floor at his feet. He must have been dead five or six hours when he was found.

This came as a great shock to Wace, and he began to reproach himself bitterly for having neglected the plain symptoms of the

old man's ill-health. But his chief thought was of the crystal. He approached that topic in a gingerly manner, because he knew Mrs. Cave's peculiarities. He was dumbfounded to learn that it was sold.

Mrs. Cave's first impulse, directly Cave's body had been taken upstairs, had been to write to the mad clergyman who had offered five pounds for the crystal, informing him of its recovery; but after a violent hunt in which her daughter joined her, they were convinced of the loss of his address. As they were without the means required to mourn and bury Cave in the elaborate style the dignity of an old Seven Dials inhabitant demands, they had appealed to a friendly fellow-tradesman in Great Portland Street. He had very kindly taken over a portion of the stock at a valuation. The valuation was his own and the crystal egg was included in one of the lots. Mr. Wace, after a few suitable consolatory observations, a little off-handedly proffered perhaps, hurried at once to Great Portland Street. But there he learned that the crystal egg had already been sold to a tall, dark man in grey. And there the material facts in this curious, and to me at least very suggestive, story come abruptly to an end. The Great Portland Street dealer did not know who the tall dark man in grey was, nor had he observed him with sufficient attention to describe him minutely. He did not even know which way this person had gone after leaving the shop. For a time Mr. Wace remained in the shop, trying the dealer's patience with hopeless questions, venting his own exasperation. And at last, realising

abruptly that the whole thing had passed out of his hands, had vanished like a vision of the night, he returned to his own rooms, a little astonished to find the notes he had made still tangible and visible upon his untidy table.

His annoyance and disappointment were naturally very great. He made a second call (equally ineffectual) upon the Great Portland Street dealer, and he resorted to advertisements in such periodicals as were likely to come into the hands of a *bric-a-brac* collector. He also wrote letters to *The Daily Chronicle* and *Nature*, but both those periodicals, suspecting a hoax, asked him to reconsider his action before they printed, and he was advised that such a strange story, unfortunately so bare of supporting evidence, might imperil his reputation as an investigator. Moreover, the calls of his proper work were urgent. So that after a month or so, save for an occasional reminder to certain dealers, he had reluctantly to abandon the quest for the crystal egg, and from that day to this it remains undiscovered. Occasionally, however, he tells me, and I can quite believe him, he has bursts of zeal, in which he abandons his more urgent occupation and resumes the search.

Whether or not it will remain lost for ever, with the material and origin of it, are things equally speculative at the present time. If the present purchaser is a collector, one would have expected the enquiries of Mr. Wace to have reached him through the dealers. He has been able to discover Mr. Cave's clergyman and "Oriental" – no other than the Rev. James Parker and the young

Prince of Bosso-Kuni in Java. I am obliged to them for certain particulars. The object of the Prince was simply curiosity – and extravagance. He was so eager to buy, because Cave was so oddly reluctant to sell. It is just as possible that the buyer in the second instance was simply a casual purchaser and not a collector at all, and the crystal egg, for all I know, may at the present moment be within a mile of me, decorating a drawing-room or serving as a paper-weight – its remarkable functions all unknown. Indeed, it is partly with the idea of such a possibility that I have thrown this narrative into a form that will give it a chance of being read by the ordinary consumer of fiction.

My own ideas in the matter are practically identical with those of Mr. Wace. I believe the crystal on the mast in Mars and the crystal egg of Mr. Cave's to be in some physical, but at present quite inexplicable, way *en rapport*, and we both believe further that the terrestrial crystal must have been – possibly at some remote date – sent hither from that planet, in order to give the Martians a near view of our affairs. Possibly the fellows to the crystals in the other masts are also on our globe. No theory of hallucination suffices for the facts.

# THE STAR

It was on the first day of the new year that the announcement was made, almost simultaneously from three observatories, that the motion of the planet Neptune, the outermost of all the planets that wheel about the sun, had become very erratic. Ogilvy had already called attention to a suspected retardation in its velocity in December. Such a piece of news was scarcely calculated to interest a world the greater portion of whose inhabitants were unaware of the existence of the planet Neptune, nor outside the astronomical profession did the subsequent discovery of a faint remote speck of light in the region of the perturbed planet cause any very great excitement. Scientific people, however, found the intelligence remarkable enough, even before it became known that the new body was rapidly growing larger and brighter, that its motion was quite different from the orderly progress of the planets, and that the deflection of Neptune and its satellite was becoming now of an unprecedented kind.

Few people without a training in science can realise the huge isolation of the solar system. The sun with its specks of planets, its dust of planetoids, and its impalpable comets, swims in a vacant immensity that almost defeats the imagination. Beyond the orbit of Neptune there is space, vacant so far as human observation has penetrated, without warmth or light or sound, blank emptiness, for twenty million times a million miles. That

is the smallest estimate of the distance to be traversed before the very nearest of the stars is attained. And, saving a few comets more unsubstantial than the thinnest flame, no matter had ever to human knowledge crossed this gulf of space, until early in the twentieth century this strange wanderer appeared. A vast mass of matter it was, bulky, heavy, rushing without warning out of the black mystery of the sky into the radiance of the sun. By the second day it was clearly visible to any decent instrument, as a speck with a barely sensible diameter, in the constellation Leo near Regulus. In a little while an opera glass could attain it.

On the third day of the new year the newspaper readers of two hemispheres were made aware for the first time of the real importance of this unusual apparition in the heavens. "A Planetary Collision," one London paper headed the news, and proclaimed Duchaine's opinion that this strange new planet would probably collide with Neptune. The leader writers enlarged upon the topic. So that in most of the capitals of the world, on January 3rd, there was an expectation, however vague of some imminent phenomenon in the sky; and as the night followed the sunset round the globe, thousands of men turned their eyes skyward to see – the old familiar stars just as they had always been.

Until it was dawn in London and Pollux setting and the stars overhead grown pale. The Winter's dawn it was, a sickly filtering accumulation of daylight, and the light of gas and candles shone yellow in the windows to show where people were astir. But the

yawning policeman saw the thing, the busy crowds in the markets stopped agape, workmen going to their work betimes, milkmen, the drivers of news-carts, dissipation going home jaded and pale, homeless wanderers, sentinels on their beats, and in the country, labourers trudging afield, poachers slinking home, all over the dusky quickening country it could be seen – and out at sea by seamen watching for the day – a great white star, come suddenly into the westward sky!

Brighter it was than any star in our skies; brighter than the evening star at its brightest. It still glowed out white and large, no mere twinkling spot of light, but a small round clear shining disc, an hour after the day had come. And where science has not reached, men stared and feared, telling one another of the wars and pestilences that are foreshadowed by these fiery signs in the Heavens. Sturdy Boers, dusky Hottentots, Gold Coast negroes, Frenchmen, Spaniards, Portuguese, stood in the warmth of the sunrise watching the setting of this strange new star.

And in a hundred observatories there had been suppressed excitement, rising almost to shouting pitch, as the two remote bodies had rushed together, and a hurrying to and fro, to gather photographic apparatus and spectroscope, and this appliance and that, to record this novel astonishing sight, the destruction of a world. For it was a world, a sister planet of our earth, far greater than our earth indeed, that had so suddenly flashed into flaming death. Neptune it was, had been struck, fairly and squarely, by the strange planet from outer space and the heat of the concussion

had incontinently turned two solid globes into one vast mass of incandescence. Round the world that day, two hours before the dawn, went the pallid great white star, fading only as it sank westward and the sun mounted above it. Everywhere men marvelled at it, but of all those who saw it none could have marvelled more than those sailors, habitual watchers of the stars, who far away at sea had heard nothing of its advent and saw it now rise like a pigmy moon and climb zenithward and hang overhead and sink westward with the passing of the night.

And when next it rose over Europe everywhere were crowds of watchers on hilly slopes, on house-roofs, in open spaces, staring eastward for the rising of the great new star. It rose with a white glow in front of it, like the glare of a white fire, and those who had seen it come into existence the night before cried out at the sight of it. "It is larger," they cried. "It is brighter!" And, indeed the moon a quarter full and sinking in the west was in its apparent size beyond comparison, but scarcely in all its breadth had it as much brightness now as the little circle of the strange new star.

"It is brighter!" cried the people clustering in the streets. But in the dim observatories the watchers held their breath and peered at one another. "*It is nearer,*" they said. "*Nearer!*"

And voice after voice repeated, "It is nearer," and the clicking telegraph took that up, and it trembled along telephone wires, and in a thousand cities grimy compositors fingered the type. "It is nearer." Men writing in offices, struck with a strange realisation, flung down their pens, men talking in a thousand places suddenly

came upon a grotesque possibility in those words, "It is nearer." It hurried along awakening streets, it was shouted down the frost-stilled ways of quiet villages, men who had read these things from the throbbing tape stood in yellow-lit doorways shouting the news to the passers-by. "It is nearer." Pretty women, flushed and glittering, heard the news told jestingly between the dances, and feigned an intelligent interest they did not feel. "Nearer! Indeed. How curious! How very, very clever people must be to find out things like that!"

Lonely tramps faring through the wintry night murmured those words to comfort themselves – looking skyward. "It has need to be nearer, for the night's as cold as charity. Don't seem much warmth from it if it *is* nearer, all the same."

"What is a new star to me?" cried the weeping woman kneeling beside her dead.

The schoolboy, rising early for his examination work, puzzled it out for himself – with the great white star, shining broad and bright through the frost-flowers of his window. "Centrifugal, centripetal," he said, with his chin on his fist. "Stop a planet in its flight, rob it of its centrifugal force, what then? Centripetal has it, and down it falls into the sun! And this – !"

"Do *we* come in the way? I wonder –"

The light of that day went the way of its brethren, and with the later watches of the frosty darkness rose the strange star again. And it was now so bright that the waxing moon seemed but a pale yellow ghost of itself, hanging huge in the sunset. In

a South African city a great man had married, and the streets were alight to welcome his return with his bride. "Even the skies have illuminated," said the flatterer. Under Capricorn, two negro lovers, daring the wild beasts and evil spirits, for love of one another, crouched together in a cane brake where the fire-flies hovered. "That is our star," they whispered, and felt strangely comforted by the sweet brilliance of its light.

The master mathematician sat in his private room and pushed the papers from him. His calculations were already finished. In a small white phial there still remained a little of the drug that had kept him awake and active for four long nights. Each day, serene, explicit, patient as ever, he had given his lecture to his students, and then had come back at once to this momentous calculation. His face was grave, a little drawn and hectic from his drugged activity. For some time he seemed lost in thought. Then he went to the window, and the blind went up with a click. Half way up the sky, over the clustering roofs, chimneys and steeples of the city, hung the star.

He looked at it as one might look into the eyes of a brave enemy. "You may kill me," he said after a silence. "But I can hold you – and all the universe for that matter – in the grip of this little brain. I would not change. Even now."

He looked at the little phial. "There will be no need of sleep again," he said. The next day at noon, punctual to the minute, he entered his lecture theatre, put his hat on the end of the table as his habit was, and carefully selected a large piece of chalk. It

was a joke among his students that he could not lecture without that piece of chalk to fumble in his fingers, and once he had been stricken to impotence by their hiding his supply. He came and looked under his grey eyebrows at the rising tiers of young fresh faces, and spoke with his accustomed studied commonness of phrasing. "Circumstances have arisen – circumstances beyond my control," he said and paused, "which will debar me from completing the course I had designed. It would seem, gentlemen, if I may put the thing clearly and briefly, that – Man has lived in vain."

The students glanced at one another. Had they heard aright? Mad? Raised eyebrows and grinning lips there were, but one or two faces remained intent upon his calm grey-fringed face. "It will be interesting," he was saying, "to devote this morning to an exposition, so far as I can make it clear to you, of the calculations that have led me to this conclusion. Let us assume – "

He turned towards the blackboard, meditating a diagram in the way that was usual to him. "What was that about 'lived in vain?'" whispered one student to another. "Listen," said the other, nodding towards the lecturer.

And presently they began to understand.

That night the star rose later, for its proper eastward motion had carried it some way across Leo towards Virgo, and its brightness was so great that the sky became a luminous blue as it rose, and every star was hidden in its turn, save only Jupiter near the zenith, Capella, Aldebaran, Sirius and the pointers of

the Bear. It was very white and beautiful. In many parts of the world that night a pallid halo encircled it about. It was perceptibly larger; in the clear refractive sky of the tropics it seemed as if it were nearly a quarter the size of the moon. The frost was still on the ground in England, but the world was as brightly lit as if it were midsummer moonlight. One could see to read quite ordinary print by that cold clear light, and in the cities the lamps burnt yellow and wan.

And everywhere the world was awake that night, and throughout Christendom a sombre murmur hung in the keen air over the countryside like the belling of bees in the heather, and this murmurous tumult grew to a clangour in the cities. It was the tolling of the bells in a million belfry towers and steeples, summoning the people to sleep no more, to sin no more, but to gather in their churches and pray. And overhead, growing larger and brighter, as the earth rolled on its way and the night passed, rose the dazzling star.

And the streets and houses were alight in all the cities, the shipyards glared, and whatever roads led to high country were lit and crowded all night long. And in all the seas about the civilised lands, ships with throbbing engines, and ships with bellying sails, crowded with men and living creatures, were standing out to ocean and the north. For already the warning of the master mathematician had been telegraphed all over the world, and translated into a hundred tongues. The new planet and Neptune, locked in a fiery embrace, were whirling headlong, ever faster

and faster towards the sun. Already every second this blazing mass flew a hundred miles, and every second its terrific velocity increased. As it flew now, indeed, it must pass a hundred million of miles wide of the earth and scarcely affect it. But near its destined path, as yet only slightly perturbed, spun the mighty planet Jupiter and his moons sweeping splendid round the sun. Every moment now the attraction between the fiery star and the greatest of the planets grew stronger. And the result of that attraction? Inevitably Jupiter would be deflected from its orbit into an elliptical path, and the burning star, swung by his attraction wide of its sunward rush, would "describe a curved path" and perhaps collide with, and certainly pass very close to, our earth. "Earthquakes, volcanic outbreaks, cyclones, sea waves, floods, and a steady rise in temperature to I know not what limit" – so prophesied the master mathematician.

And overhead, to carry out his words, lonely and cold and livid, blazed the star of the coming doom.

To many who stared at it that night until their eyes ached, it seemed that it was visibly approaching. And that night, too, the weather changed, and the frost that had gripped all Central Europe and France and England softened towards a thaw.

But you must not imagine because I have spoken of people praying through the night and people going aboard ships and people fleeing towards mountainous country that the whole world was already in a terror because of the star. As a matter of fact, use and wont still ruled the world, and save for the talk of

idle moments and the splendour of the night, nine human beings out of ten were still busy at their common occupations. In all the cities the shops, save one here and there, opened and closed at their proper hours, the doctor and the undertaker plied their trades, the workers gathered in the factories, soldiers drilled, scholars studied, lovers sought one another, thieves lurked and fled, politicians planned their schemes. The presses of the newspapers roared through the nights, and many a priest of this church and that would not open his holy building to further what he considered a foolish panic. The newspapers insisted on the lesson of the year 1000 – for then, too, people had anticipated the end. The star was no star – mere gas – a comet; and were it a star it could not possibly strike the earth. There was no precedent for such a thing. Common sense was sturdy everywhere, scornful, jesting, a little inclined to persecute the obdurate fearful. That night, at seven-fifteen by Greenwich time, the star would be at its nearest to Jupiter. Then the world would see the turn things would take. The master mathematician's grim warnings were treated by many as so much mere elaborate self-advertisement. Common sense at last, a little heated by argument, signified its unalterable convictions by going to bed. So, too, barbarism and savagery, already tired of the novelty, went about their nightly business, and save for a howling dog here and there, the beast world left the star unheeded.

And yet, when at last the watchers in the European States saw the star rise, an hour later it is true, but no larger than it had

been the night before, there were still plenty awake to laugh at the master mathematician – to take the danger as if it had passed.

But hereafter the laughter ceased. The star grew – it grew with a terrible steadiness hour after hour, a little larger each hour, a little nearer the midnight zenith, and brighter and brighter, until it had turned night into a second day. Had it come straight to the earth instead of in a curved path, had it lost no velocity to Jupiter, it must have leapt the intervening gulf in a day, but as it was it took five days altogether to come by our planet. The next night it had become a third the size of the moon before it set to English eyes, and the thaw was assured. It rose over America near the size of the moon, but blinding white to look at, and *hot*; and a breath of hot wind blew now with its rising and gathering strength, and in Virginia, and Brazil, and down the St. Lawrence valley, it shone intermittently through a driving reek of thunder-clouds, flickering violet lightning, and hail unprecedented. In Manitoba was a thaw and devastating floods. And upon all the mountains of the earth the snow and ice began to melt that night, and all the rivers coming out of high country flowed thick and turbid, and soon – in their upper reaches – with swirling trees and the bodies of beasts and men. They rose steadily, steadily in the ghostly brilliance, and came trickling over their banks at last, behind the flying population of their valleys.

And along the coast of Argentina and up the South Atlantic the tides were higher than had ever been in the memory of man, and the storms drove the waters in many cases scores of

miles inland, drowning whole cities. And so great grew the heat during the night that the rising of the sun was like the coming of a shadow. The earthquakes began and grew until all down America from the Arctic Circle to Cape Horn, hillsides were sliding, fissures were opening, and houses and walls crumbling to destruction. The whole side of Cotopaxi slipped out in one vast convulsion, and a tumult of lava poured out so high and broad and swift and liquid that in one day it reached the sea.

So the star, with the wan moon in its wake, marched across the Pacific, trailed the thunderstorms like the hem of a robe, and the growing tidal wave that toiled behind it, frothing and eager, poured over island and island and swept them clear of men. Until that wave came at last – in a blinding light and with the breath of a furnace, swift and terrible it came – a wall of water, fifty feet high, roaring hungrily, upon the long coasts of Asia, and swept inland across the plains of China. For a space the star, hotter now and larger and brighter than the sun in its strength, showed with pitiless brilliance the wide and populous country; towns and villages with their pagodas and trees, roads, wide cultivated fields, millions of sleepless people staring in helpless terror at the incandescent sky; and then, low and growing, came the murmur of the flood. And thus it was with millions of men that night – a flight nowhither, with limbs heavy with heat and breath fierce and scant, and the flood like a wall swift and white behind. And then death.

China was lit glowing white, but over Japan and Java and all

the islands of Eastern Asia the great star was a ball of dull red fire because of the steam and smoke and ashes the volcanoes were spouting forth to salute its coming. Above was the lava, hot gases and ash, and below the seething floods, and the whole earth swayed and rumbled with the earthquake shocks. Soon the immemorial snows of Thibet and the Himalaya were melting and pouring down by ten million deepening converging channels upon the plains of Burmah and Hindostan. The tangled summits of the Indian jungles were aflame in a thousand places, and below the hurrying waters around the stems were dark objects that still struggled feebly and reflected the blood-red tongues of fire. And in a rudderless confusion a multitude of men and women fled down the broad river-ways to that one last hope of men – the open sea.

Larger grew the star, and larger, hotter, and brighter with a terrible swiftness now. The tropical ocean had lost its phosphorescence, and the whirling steam rose in ghostly wreaths from the black waves that plunged incessantly, speckled with storm-tossed ships.

And then came a wonder. It seemed to those who in Europe watched for the rising of the star that the world must have ceased its rotation. In a thousand open spaces of down and upland the people who had fled thither from the floods and the falling houses and sliding slopes of hill watched for that rising in vain. Hour followed hour through a terrible suspense, and the star rose not. Once again men set their eyes upon the old constellations

they had counted lost to them forever. In England it was hot and clear overhead, though the ground quivered perpetually, but in the tropics, Sirius and Capella and Aldebaran showed through a veil of steam. And when at last the great star rose near ten hours late, the sun rose close upon it, and in the centre of its white heart was a disc of black.

Over Asia it was the star had begun to fall behind the movement of the sky, and then suddenly, as it hung over India, its light had been veiled. All the plain of India from the mouth of the Indus to the mouths of the Ganges was a shallow waste of shining water that night, out of which rose temples and palaces, mounds and hills, black with people. Every minaret was a clustering mass of people, who fell one by one into the turbid waters, as heat and terror overcame them. The whole land seemed a-wailing, and suddenly there swept a shadow across that furnace of despair, and a breath of cold wind, and a gathering of clouds, out of the cooling air. Men looking up, near blinded, at the star, saw that a black disc was creeping across the light. It was the moon, coming between the star and the earth. And even as men cried to God at this respite, out of the East with a strange inexplicable swiftness sprang the sun. And then star, sun and moon rushed together across the heavens.

So it was that presently, to the European watchers, star and sun rose close upon each other, drove headlong for a space and then slower, and at last came to rest, star and sun merged into one glare of flame at the zenith of the sky. The moon no longer

eclipsed the star but was lost to sight in the brilliance of the sky. And though those who were still alive regarded it for the most part with that dull stupidity that hunger, fatigue, heat and despair engender, there were still men who could perceive the meaning of these signs. Star and earth had been at their nearest, had swung about one another, and the star had passed. Already it was receding, swifter and swifter, in the last stage of its headlong journey downward into the sun.

And then the clouds gathered, blotting out the vision of the sky, the thunder and lightning wove a garment round the world; all over the earth was such a downpour of rain as men had never before seen, and where the volcanoes flared red against the cloud canopy there descended torrents of mud. Everywhere the waters were pouring off the land, leaving mud-silted ruins, and the earth littered like a storm-worn beach with all that had floated, and the dead bodies of the men and brutes, its children. For days the water streamed off the land, sweeping away soil and trees and houses in the way, and piling huge dykes and scooping out Titanic gullies over the country side. Those were the days of darkness that followed the star and the heat. All through them, and for many weeks and months, the earthquakes continued.

But the star had passed, and men, hunger-driven and gathering courage only slowly, might creep back to their ruined cities, buried granaries, and sodden fields. Such few ships as had escaped the storms of that time came stunned and shattered and sounding their way cautiously through the new marks and shoals

of once familiar ports. And as the storms subsided men perceived that everywhere the days were hotter than of yore, and the sun larger, and the moon, shrunk to a third of its former size, took now fourscore days between its new and new.

But of the new brotherhood that grew presently among men, of the saving of laws and books and machines, of the strange change that had come over Iceland and Greenland and the shores of Baffin's Bay, so that the sailors coming there presently found them green and gracious, and could scarce believe their eyes, this story does not tell. Nor of the movement of mankind now that the earth was hotter, northward and southward towards the poles of the earth. It concerns itself only with the coming and the passing of the Star.

The Martian astronomers – for there are astronomers on Mars, although they are very different beings from men – were naturally profoundly interested by these things. They saw them from their own standpoint of course. "Considering the mass and temperature of the missile that was flung through our solar system into the sun," one wrote, "it is astonishing what a little damage the earth, which it missed so narrowly, has sustained. All the familiar continental markings and the masses of the seas remain intact, and indeed the only difference seems to be a shrinkage of the white discolouration (supposed to be frozen water) round either pole." Which only shows how small the vastest of human catastrophes may seem, at a distance of a few million miles.

# A STORY OF THE STONE AGE

## I – UGH-LOMI AND UYA

This story is of a time beyond the memory of man, before the beginning of history, a time when one might have walked dryshod from France (as we call it now) to England, and when a broad and sluggish Thames flowed through its marshes to meet its father Rhine, flowing through a wide and level country that is under water in these latter days, and which we know by the name of the North Sea. In that remote age the valley which runs along the foot of the Downs did not exist, and the south of Surrey was a range of hills, fir-clad on the middle slopes, and snow-capped for the better part of the year. The cores of its summits still remain as Leith Hill, and Pitch Hill, and Hindhead. On the lower slopes of the range, below the grassy spaces where the wild horses grazed, were forests of yew and sweet-chestnut and elm, and the thickets and dark places hid the grizzly bear and the hyæna, and the grey apes clambered through the branches. And still lower amidst the woodland and marsh and open grass along the Wey did this little drama play itself out to the end that I have to tell. Fifty thousand years ago it was, fifty thousand years – if the reckoning of geologists is correct.

And in those days the spring-time was as joyful as it is now, and sent the blood coursing in just the same fashion. The afternoon sky was blue with piled white clouds sailing through it, and the southwest wind came like a soft caress. The new-come swallows drove to and fro. The reaches of the river were spangled with white ranunculus, the marshy places were starred with lady's-smock and lit with marsh-mallow wherever the regiments of the sedges lowered their swords, and the northward-moving hippopotami, shiny black monsters, sporting clumsily, came floundering and blundering through it all, rejoicing dimly and possessed with one clear idea, to splash the river muddy.

Up the river and well in sight of the hippopotami, a number of little buff-coloured animals dabbled in the water. There was no fear, no rivalry, and no enmity between them and the hippopotami. As the great bulks came crashing through the reeds and smashed the mirror of the water into silvery splashes, these little creatures shouted and gesticulated with glee. It was the surest sign of high spring. "Bolo!" they cried. "Baayah. Bolo!" They were the children of the men folk, the smoke of whose encampment rose from the knoll at the river's bend. Wild-eyed youngsters they were, with matted hair and little broad-nosed impish faces, covered (as some children are covered even nowadays) with a delicate down of hair. They were narrow in the loins and long in the arms. And their ears had no lobes, and had little pointed tips, a thing that still, in rare instances, survives. Stark-naked vivid little gipsies, as active as monkeys and as full

of chatter, though a little wanting in words.

Their elders were hidden from the wallowing hippopotami by the crest of the knoll. The human squatting-place was a trampled area among the dead brown fronds of Royal Fern, through which the crosiers of this year's growth were unrolling to the light and warmth. The fire was a smouldering heap of char, light grey and black, replenished by the old women from time to time with brown leaves. Most of the men were asleep – they slept sitting with their foreheads on their knees. They had killed that morning a good quarry, enough for all, a deer that had been wounded by hunting dogs; so that there had been no quarrelling among them, and some of the women were still gnawing the bones that lay scattered about. Others were making a heap of leaves and sticks to feed Brother Fire when the darkness came again, that he might grow strong and tall therewith, and guard them against the beasts. And two were piling flints that they brought, an armful at a time, from the bend of the river where the children were at play.

None of these buff-skinned savages were clothed, but some wore about their hips rude girdles of adder-skin or crackling undressed hide, from which depended little bags, not made, but torn from the paws of beasts, and carrying the rudely-dressed flints that were men's chief weapons and tools. And one woman, the mate of Uya the Cunning Man, wore a wonderful necklace of perforated fossils – that others had worn before her. Beside some of the sleeping men lay the big antlers of the elk, with the tines chipped to sharp edges, and long sticks, hacked at the ends with

flints into sharp points. There was little else save these things and the smouldering fire to mark these human beings off from the wild animals that ranged the country. But Uya the Cunning did not sleep, but sat with a bone in his hand and scraped busily thereon with a flint, a thing no animal would do. He was the oldest man in the tribe, beetle-browed, prognathous, lank-armed; he had a beard and his cheeks were hairy, and his chest and arms were black with thick hair. And by virtue both of his strength and cunning he was master of the tribe, and his share was always the most and the best.

Eudena had hidden herself among the alders, because she was afraid of Uya. She was still a girl, and her eyes were bright and her smile pleasant to see. He had given her a piece of the liver, a man's piece, and a wonderful treat for a girl to get; but as she took it the other woman with the necklace had looked at her, an evil glance, and Ugh-lomi had made a noise in his throat. At that, Uya had looked at him long and steadfastly, and Ugh-lomi's face had fallen. And then Uya had looked at her. She was frightened and she had stolen away, while the feeding was still going on, and Uya was busy with the marrow of a bone. Afterwards he had wandered about as if looking for her. And now she crouched among the alders, wondering mightily what Uya might be doing with the flint and the bone. And Ugh-lomi was not to be seen.

Presently a squirrel came leaping through the alders, and she lay so quiet the little man was within six feet of her before he saw her. Whereupon he dashed up a stem in a hurry and began

to chatter and scold her. "What are you doing here," he asked, "away from the other men beasts?" "Peace," said Eudena, but he only chattered more, and then she began to break off the little black cones to throw at him. He dodged and defied her, and she grew excited and rose up to throw better, and then she saw Uya coming down the knoll. He had seen the movement of her pale arm amidst the thicket – he was very keen-eyed.

At that she forgot the squirrel and set off through the alders and reeds as fast as she could go. She did not care where she went so long as she escaped Uya. She splashed nearly knee-deep through a swampy place, and saw in front of her a slope of ferns – growing more slender and green as they passed up out of the light into the shade of the young chestnuts. She was soon amidst the trees – she was very fleet of foot, and she ran on and on until the forest was old and the vales great, and the vines about their stems where the light came were thick as young trees, and the ropes of ivy stout and tight. On she went, and she doubled and doubled again, and then at last lay down amidst some ferns in a hollow place near a thicket, and listened with her heart beating in her ears.

She heard footsteps presently rustling among the dead leaves, far off, and they died away and everything was still again, except the scandalising of the midges – for the evening was drawing on – and the incessant whisper of the leaves. She laughed silently to think the cunning Uya should go by her. She was not frightened. Sometimes, playing with the other girls and lads, she had fled

into the wood, though never so far as this. It was pleasant to be hidden and alone.

She lay a long time there, glad of her escape, and then she sat up listening.

It was a rapid pattering growing louder and coming towards her, and in a little while she could hear grunting noises and the snapping of twigs. It was a drove of lean grisly wild swine. She turned about her, for a boar is an ill fellow to pass too closely, on account of the sideway slash of his tusks, and she made off slantingly through the trees. But the patter came nearer, they were not feeding as they wandered, but going fast – or else they would not overtake her – and she caught the limb of a tree, swung on to it, and ran up the stem with something of the agility of a monkey.

Down below the sharp bristling backs of the swine were already passing when she looked. And she knew the short, sharp grunts they made meant fear. What were they afraid of? A man? They were in a great hurry for just a man.

And then, so suddenly it made her grip on the branch tighten involuntarily, a fawn started in the brake and rushed after the swine. Something else went by, low and grey, with a long body; she did not know what it was, indeed she saw it only momentarily through the interstices of the young leaves; and then there came a pause.

She remained stiff and expectant, as rigid almost as though she was a part of the tree she clung to, peering down.

Then, far away among the trees, clear for a moment, then hidden, then visible knee-deep in ferns, then gone again, ran a man. She knew it was young Ugh-lomi by the fair colour of his hair, and there was red upon his face. Somehow his frantic flight and that scarlet mark made her feel sick. And then nearer, running heavily and breathing hard, came another man. At first she could not see, and then she saw, foreshortened and clear to her, Uya, running with great strides and his eyes staring. He was not going after Ugh-lomi. His face was white. It was Uya—*afraid!* He passed, and was still loud hearing, when something else, something large and with grizzled fur, swinging along with soft swift strides, came rushing in pursuit of him.

Eudena suddenly became rigid, ceased to breathe, her clutch convulsive, and her eyes starting.

She had never seen the thing before, she did not even see him clearly now, but she knew at once it was the Terror of the Woodshade. His name was a legend, the children would frighten one another, frighten even themselves with his name, and run screaming to the squatting-place. No man had ever killed any of his kind. Even the mighty mammoth feared his anger. It was the grizzly bear, the lord of the world as the world went then.

As he ran he made a continuous growling grumble. "Men in my very lair! Fighting and blood. At the very mouth of my lair. Men, men, men. Fighting and blood." For he was the lord of the wood and of the caves.

Long after he had passed she remained, a girl of stone, staring

down through the branches. All her power of action had gone from her. She gripped by instinct with hands and knees and feet. It was some time before she could think, and then only one thing was clear in her mind, that the Terror was between her and the tribe – that it would be impossible to descend.

Presently when her fear was a little abated she clambered into a more comfortable position, where a great branch forked. The trees rose about her, so that she could see nothing of Brother Fire, who is black by day. Birds began to stir, and things that had gone into hiding for fear of her movements crept out...

After a time the taller branches flamed out at the touch of the sunset. High overhead the rooks, who were wiser than men, went cawing home to their squatting-places among the elms. Looking down, things were clearer and darker. Eudena thought of going back to the squatting-place; she let herself down some way, and then the fear of the Terror of the Woodshade came again. While she hesitated a rabbit squealed dismally, and she dared not descend farther.

The shadows gathered, and the deeps of the forest began stirring. Eudena went up the tree again to be nearer the light. Down below the shadows came out of their hiding-places and walked abroad. Overhead the blue deepened. A dreadful stillness came, and then the leaves began whispering.

Eudena shivered and thought of Brother Fire.

The shadows now were gathering in the trees, they sat on the branches and watched her. Branches and leaves were turned

to ominous, quiet black shapes that would spring on her if she stirred. Then the white owl, flitting silently, came ghostly through the shades. Darker grew the world and darker, until the leaves and twigs against the sky were black, and the ground was hidden.

She remained there all night, an age-long vigil, straining her ears for the things that went on below in the darkness, and keeping motionless lest some stealthy beast should discover her. Man in those days was never alone in the dark, save for such rare accidents as this. Age after age he had learnt the lesson of its terror – a lesson we poor children of his have nowadays painfully to unlearn. Eudena, though in age a woman, was in heart like a little child. She kept as still, poor little animal, as a hare before it is started.

The stars gathered and watched her – her one grain of comfort. In one bright one she fancied there was something like Ugh-lomi. Then she fancied it *was* Ugh-lomi. And near him, red and duller, was Uya, and as the night passed Ugh-lomi fled before him up the sky.

She tried to see Brother Fire, who guarded the squatting-place from beasts, but he was not in sight. And far away she heard the mammoths trumpeting as they went down to the drinking-place, and once some huge bulk with heavy paces hurried along, making a noise like a calf, but what it was she could not see. But she thought from the voice it was Yaaa the rhinoceros, who stabs with his nose, goes always alone, and rages without cause.

At last the little stars began to hide, and then the larger ones.

It was like all the animals vanishing before the Terror. The Sun was coming, lord of the sky, as the grizzly was lord of the forest. Eudena wondered what would happen if one star stayed behind. And then the sky paled to the dawn.

When the daylight came the fear of lurking things passed, and she could descend. She was stiff, but not so stiff as you would have been, dear young lady (by virtue of your upbringing), and as she had not been trained to eat at least once in three hours, but instead had often fasted three days, she did not feel uncomfortably hungry. She crept down the tree very cautiously, and went her way stealthily through the wood, and not a squirrel sprang or deer started but the terror of the grizzly bear froze her marrow.

Her desire was now to find her people again. Her dread of Uya the Cunning was consumed by a greater dread of loneliness. But she had lost her direction. She had run heedlessly overnight, and she could not tell whether the squatting-place was sunward or where it lay. Ever and again she stopped and listened, and at last, very far away, she heard a measured chinking. It was so faint even in the morning stillness that she could tell it must be far away. But she knew the sound was that of a man sharpening a flint.

Presently the trees began to thin out, and then came a regiment of nettles barring the way. She turned aside, and then she came to a fallen tree that she knew, with a noise of bees about it. And so presently she was in sight of the knoll, very far off, and the river under it, and the children and the hippopotami just as they

had been yesterday, and the thin spire of smoke swaying in the morning breeze. Far away by the river was the cluster of alders where she had hidden. And at the sight of that the fear of Uya returned, and she crept into a thicket of bracken, out of which a rabbit scuttled, and lay awhile to watch the squatting-place.

The men were mostly out of sight, saving Wau, the flint-chopper; and at that she felt safer. They were away hunting food, no doubt. Some of the women, too, were down in the stream, stooping intent, seeking mussels, crayfish, and water-snails, and at the sight of their occupation Eudena felt hungry. She rose, and ran through the fern, designing to join them. As she went she heard a voice among the bracken calling softly. She stopped. Then suddenly she heard a rustle behind her, and turning, saw Ugh-lomi rising out of the fern. There were streaks of brown blood and dirt on his face, and his eyes were fierce, and the white stone of Uya, the white Fire Stone, that none but Uya dared to touch, was in his hand. In a stride he was beside her, and gripped her arm. He swung her about, and thrust her before him towards the woods. "Uya," he said, and waved his arms about. She heard a cry, looked back, and saw all the women standing up, and two wading out of the stream. Then came a nearer howling, and the old woman with the beard, who watched the fire on the knoll, was waving her arms, and Wau, the man who had been chipping the flint, was getting to his feet. The little children too were hurrying and shouting.

"Come!" said Ugh-lomi, and dragged her by the arm.

She still did not understand.

"Uya has called the death word," said Ugh-lomi, and she glanced back at the screaming curve of figures, and understood.

Wau and all the women and children were coming towards them, a scattered array of buff shock-headed figures, howling, leaping, and crying. Over the knoll two youths hurried. Down among the ferns to the right came a man, heading them off from the wood. Ugh-lomi left her arm, and the two began running side by side, leaping the bracken and stepping clear and wide. Eudena, knowing her fleetness and the fleetness of Ugh-lomi, laughed aloud at the unequal chase. They were an exceptionally straight-limbed couple for those days.

They soon cleared the open, and drew near the wood of chestnut-trees again – neither afraid now because neither was alone. They slackened their pace, already not excessive. And suddenly Eudena cried and swerved aside, pointing, and looking up through the tree-stems. Ugh-lomi saw the feet and legs of men running towards him. Eudena was already running off at a tangent. And as he too turned to follow her they heard the voice of Uya coming through the trees, and roaring out his rage at them.

Then terror came in their hearts, not the terror that numbs, but the terror that makes one silent and swift. They were cut off now on two sides. They were in a sort of corner of pursuit. On the right hand, and near by them, came the men swift and heavy, with bearded Uya, antler in hand, leading them; and on the left,

scattered as one scatters corn, yellow dashes among the fern and grass, ran Wau and the women; and even the little children from the shallow had joined the chase. The two parties converged upon them. Off they went, with Eudena ahead.

They knew there was no mercy for them. There was no hunting so sweet to these ancient men as the hunting of men. Once the fierce passion of the chase was lit, the feeble beginnings of humanity in them were thrown to the winds. And Uya in the night had marked Ugh-lomi with the death word. Ugh-lomi was the day's quarry, the appointed feast.

They ran straight – it was their only chance – taking whatever ground came in the way – a spread of stinging nettles, an open glade, a clump of grass out of which a hyæna fled snarling. Then woods again, long stretches of shady leaf-mould and moss under the green trunks. Then a stiff slope, tree-clad, and long vistas of trees, a glade, a succulent green area of black mud, a wide open space again, and then a clump of lacerating brambles, with beast tracks through it. Behind them the chase trailed out and scattered, with Uya ever at their heels. Eudena kept the first place, running light and with her breath easy, for Ugh-lomi carried the Fire Stone in his hand.

It told on his pace – not at first, but after a time. His footsteps behind her suddenly grew remote. Glancing over her shoulder as they crossed another open space, Eudena saw that Ugh-lomi was many yards behind her, and Uya close upon him, with antler already raised in the air to strike him down. Wau and the others

were but just emerging from the shadow of the woods.

Seeing Ugh-lomi in peril, Eudena ran sideways, looking back, threw up her arms and cried aloud, just as the antler flew. And young Ugh-lomi, expecting this and understanding her cry, ducked his head, so that the missile merely struck his scalp lightly, making but a trivial wound, and flew over him. He turned forthwith, the quartzite Fire Stone in both hands, and hurled it straight at Uya's body as he ran loose from the throw. Uya shouted, but could not dodge it. It took him under the ribs, heavy and flat, and he reeled and went down without a cry. Ugh-lomi caught up the antler – one tine of it was tipped with his own blood – and came running on again with a red trickle just coming out of his hair.

Uya rolled over twice, and lay a moment before he got up, and then he did not run fast. The colour of his face was changed. Wau overtook him, and then others, and he coughed and laboured in his breath. But he kept on.

At last the two fugitives gained the bank of the river, where the stream ran deep and narrow, and they still had fifty yards in hand of Wau, the foremost pursuer, the man who made the smiting-stones. He carried one, a large flint, the shape of an oyster and double the size, chipped to a chisel edge, in either hand.

They sprang down the steep bank into the stream, rushed through the water, swam the deep current in two or three strokes, and came out wading again, dripping and refreshed, to clamber up the farther bank. It was undermined, and with

willows growing thickly therefrom, so that it needed clambering. And while Eudena was still among the silvery branches and Ugh-lomi still in the water – for the antler had encumbered him – Wau came up against the sky on the opposite bank, and the smiting-stone, thrown cunningly, took the side of Eudena's knee. She struggled to the top and fell.

They heard the pursuers shout to one another, and Ugh-lomi climbing to her and moving jerkily to mar Wau's aim, felt the second smiting-stone graze his ear, and heard the water splash below him.

Then it was Ugh-lomi, the stripling, proved himself to have come to man's estate. For running on, he found Eudena fell behind, limping, and at that he turned, and crying savagely and with a face terrible with sudden wrath and trickling blood, ran swiftly past her back to the bank, whirling the antler round his head. And Eudena kept on, running stoutly still, though she must needs limp at every step, and the pain was already sharp.

So that Wau, rising over the edge and clutching the straight willow branches, saw Ugh-lomi towering over him, gigantic against the blue; saw his whole body swing round, and the grip of his hands upon the antler. The edge of the antler came sweeping through the air, and he saw no more. The water under the osiers whirled and eddied and went crimson six feet down the stream. Uya following stopped knee-high across the stream, and the man who was swimming turned about.

The other men who trailed after – they were none of them very

mighty men (for Uya was more cunning than strong, brooking no sturdy rivals) – slackened momentarily at the sight of Ugh-lomi standing there above the willows, bloody and terrible, between them and the halting girl, with the huge antler waving in his hand. It seemed as though he had gone into the water a youth, and come out of it a man full grown.

He knew what there was behind him. A broad stretch of grass, and then a thicket, and in that Eudena could hide. That was clear in his mind, though his thinking powers were too feeble to see what should happen thereafter. Uya stood knee-deep, undecided and unarmed. His heavy mouth hung open, showing his canine teeth, and he panted heavily. His side was flushed and bruised under the hair. The other man beside him carried a sharpened stick. The rest of the hunters came up one by one to the top of the bank, hairy, long-armed men clutching flints and sticks. Two ran off along the bank down stream, and then clambered to the water, where Wau had come to the surface struggling weakly. Before they could reach him he went under again. Two others threatened Ugh-lomi from the bank.

He answered back, shouts, vague insults, gestures. Then Uya, who had been hesitating, roared with rage, and whirling his fists plunged into the water. His followers splashed after him.

Ugh-lomi glanced over his shoulder and found Eudena already vanished into the thicket. He would perhaps have waited for Uya, but Uya preferred to spar in the water below him until the others were beside him. Human tactics in those days, in all serious

fighting, were the tactics of the pack. Prey that turned at bay they gathered around and rushed. Ugh-lomi felt the rush coming, and hurling the antler at Uya, turned about and fled.

When he halted to look back from the shadow of the thicket, he found only three of his pursuers had followed him across the river, and they were going back again. Uya, with a bleeding mouth, was on the farther side of the stream again, but lower down, and holding his hand to his side. The others were in the river dragging something to shore. For a time at least the chase was intermitted.

Ugh-lomi stood watching for a space, and snarled at the sight of Uya. Then he turned and plunged into the thicket.

In a minute, Eudena came hastening to join him, and they went on hand in hand. He dimly perceived the pain she suffered from the cut and bruised knee, and chose the easier ways. But they went on all that day, mile after mile, through wood and thicket, until at last they came to the chalkland, open grass with rare woods of beech, and the birch growing near water, and they saw the Wealden mountains nearer, and groups of horses grazing together. They went circumspectly, keeping always near thicket and cover, for this was a strange region – even its ways were strange. Steadily the ground rose, until the chestnut forests spread wide and blue below them, and the Thames marshes shone silvery, high and far. They saw no men, for in those days men were still only just come into this part of the world, and were moving but slowly along the river-ways. Towards evening they

came on the river again, but now it ran in a gorge, between high cliffs of white chalk that sometimes overhung it. Down the cliffs was a scrub of birches and there were many birds there. And high up the cliff was a little shelf by a tree, whereon they clambered to pass the night.

They had had scarcely any food; it was not the time of year for berries, and they had no time to go aside to snare or waylay. They tramped in a hungry weary silence, gnawing at twigs and leaves. But over the surface of the cliffs were a multitude of snails, and in a bush were the freshly laid eggs of a little bird, and then Ugh-lomi threw at and killed a squirrel in a beech-tree, so that at last they fed well. Ugh-lomi watched during the night, his chin on his knees; and he heard young foxes crying hard by, and the noise of mammoths down the gorge, and the hyænas yelling and laughing far away. It was chilly, but they dared not light a fire. Whenever he dozed, his spirit went abroad, and straightway met with the spirit of Uya, and they fought. And always Ugh-lomi was paralysed so that he could not smite nor run, and then he would awake suddenly. Eudena, too, dreamt evil things of Uya, so that they both awoke with the fear of him in their hearts, and by the light of the dawn they saw a woolly rhinoceros go blundering down the valley.

During the day they caressed one another and were glad of the sunshine, and Eudena's leg was so stiff she sat on the ledge all day. Ugh-lomi found great flints sticking out of the cliff face, greater than any he had seen, and he dragged some to the ledge

and began chipping, so as to be armed against Uya when he came again. And at one he laughed heartily, and Eudena laughed, and they threw it about in derision. It had a hole in it. They stuck their fingers through it, it was very funny indeed. Then they peeped at one another through it. Afterwards, Ugh-lomi got himself a stick, and thrusting by chance at this foolish flint, the stick went in and stuck there. He had rammed it in too tightly to withdraw it. That was still stranger – scarcely funny, terrible almost, and for a time Ugh-lomi did not greatly care to touch the thing. It was as if the flint had bit and held with its teeth. But then he got familiar with the odd combination. He swung it about, and perceived that the stick with the heavy stone on the end struck a better blow than anything he knew. He went to and fro swinging it, and striking with it; but later he tired of it and threw it aside. In the afternoon he went up over the brow of the white cliff, and lay watching by a rabbit-warren until the rabbits came out to play. There were no men thereabouts, and the rabbits were heedless. He threw a smiting-stone he had made and got a kill.

That night they made a fire from flint sparks and bracken fronds, and talked and caressed by it. And in their sleep Uya's spirit came again, and suddenly, while Ugh-lomi was trying to fight vainly, the foolish flint on the stick came into his hand, and he struck Uya with it, and behold! it killed him. But afterwards came other dreams of Uya – for spirits take a lot of killing, and he had to be killed again. Then after that the stone would not keep on the stick. He awoke tired and rather gloomy, and was sulky

all the forenoon, in spite of Eudena's kindness, and instead of hunting he sat chipping a sharp edge to the singular flint, and looking strangely at her. Then he bound the perforated flint on to the stick with strips of rabbit skin. And afterwards he walked up and down the ledge, striking with it, and muttering to himself, and thinking of Uya. It felt very fine and heavy in the hand.

Several days, more than there was any counting in those days, five days, it may be, or six, did Ugh-lomi and Eudena stay on that shelf in the gorge of the river, and they lost all fear of men, and their fire burnt redly of a night. And they were very merry together; there was food every day, sweet water, and no enemies. Eudena's knee was well in a couple of days, for those ancient savages had quick-healing flesh. Indeed, they were very happy.

On one of those days Ugh-lomi dropped a chunk of flint over the cliff. He saw it fall, and go bounding across the river bank into the river, and after laughing and thinking it over a little he tried another. This smashed a bush of hazel in the most interesting way. They spent all the morning dropping stones from the ledge, and in the afternoon they discovered this new and interesting pastime was also possible from the cliffbrow. The next day they had forgotten this delight. Or at least, it seemed they had forgotten.

But Uya came in dreams to spoil the paradise. Three nights he came fighting Ugh-lomi. In the morning after these dreams Ugh-lomi would walk up and down, threatening him and swinging the axe, and at last came the night after Ugh-lomi brained

the otter, and they had feasted. Uya went too far. Ugh-lomi awoke, scowling under his heavy brows, and he took his axe, and extending his hand towards Eudena he bade her wait for him upon the ledge. Then he clambered down the white declivity, glanced up once from the foot of it and flourished his axe, and without looking back again went striding along the river bank until the overhanging cliff at the bend hid him.

Two days and nights did Eudena sit alone by the fire on the ledge waiting, and in the night the beasts howled over the cliffs and down the valley, and on the cliff over against her the hunched hyænas prowled black against the sky. But no evil thing came near her save fear. Once, far away, she heard the roaring of a lion, following the horses as they came northward over the grass lands with the spring. All that time she waited – the waiting that is pain.

And the third day Ugh-lomi came back, up the river. The plumes of a raven were in his hair. The first axe was red-stained, and had long dark hairs upon it, and he carried the necklace that had marked the favourite of Uya in his hand. He walked in the soft places, giving no heed to his trail. Save a raw cut below his jaw there was not a wound upon him. "Uya!" cried Ugh-lomi exultant, and Eudena saw it was well. He put the necklace on Eudena, and they ate and drank together. And after eating he began to rehearse the whole story from the beginning, when Uya had cast his eyes on Eudena, and Uya and Ugh-lomi, fighting in the forest, had been chased by the bear, eking out his scanty words with abundant pantomime, springing to his feet and

whirling the stone axe round when it came to the fighting. The last fight was a mighty one, stamping and shouting, and once a blow at the fire that sent a torrent of sparks up into the night. And Eudena sat red in the light of the fire, gloating on him, her face flushed and her eyes shining, and the necklace Uya had made about her neck. It was a splendid time, and the stars that look down on us looked down on her, our ancestor – who has been dead now these fifty thousand years.

## II – THE CAVE BEAR

In the days when Eudena and Ugh-lomi fled from the people of Uya towards the fir-clad mountains of the Weald, across the forests of sweet chestnut and the grass-clad chalkland, and hid themselves at last in the gorge of the river between the chalk cliffs, men were few and their squatting-places far between. The nearest men to them were those of the tribe, a full day's journey down the river, and up the mountains there were none. Man was indeed a newcomer to this part of the world in that ancient time, coming slowly along the rivers, generation after generation, from one squatting-place to another, from the south-westward. And the animals that held the land, the hippopotamus and rhinoceros of the river valleys, the horses of the grass plains, the deer and swine of the woods, the grey apes in the branches, the cattle of the uplands, feared him but little – let alone the mammoths in the mountains and the elephants that came through the land

in the summer-time out of the south. For why should they fear him, with but the rough, chipped flints that he had not learnt to haft and which he threw but ill, and the poor spear of sharpened wood, as all the weapons he had against hoof and horn, tooth and claw?

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