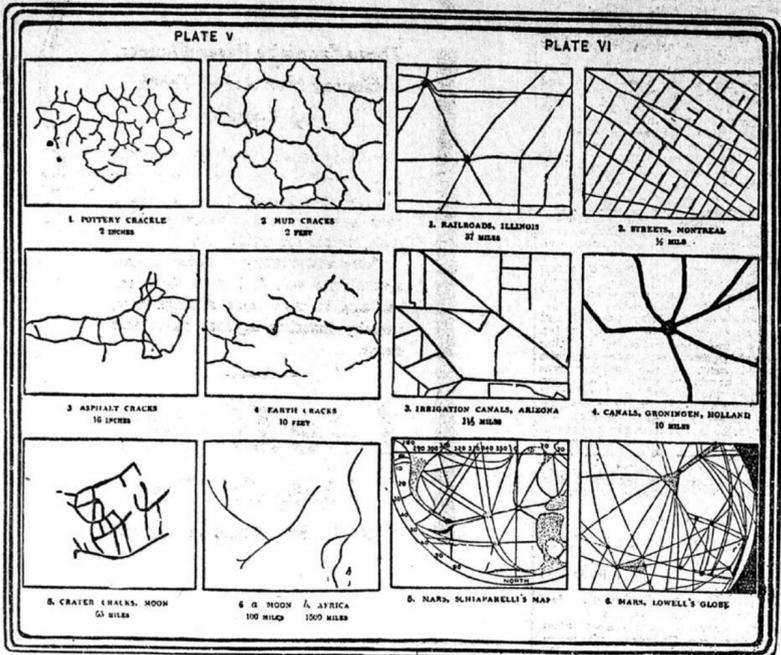


A SCIENTIST'S SPECULATIONS ON WHAT THE MEN OF MARS ARE LIKE



COMPARISON OF NATURAL AND ARTIFICIAL LINES TO SHOW THAT MARTIAN CANALS MUST BE MADE BY INTELLIGENT BEINGS.

Prof. E. S. Morse Thinks They Are Great Agriculturists Solving the Problem of a Dying World—May Be Like Men or Gigantic Ants.

THE latest word of science about Mars and its probable inhabitants has been uttered by Professor Edward S. Morse, curator of the department of Japanese pottery at the Boston Museum of Fine Arts, says the Boston Herald.

Professor Morse, while not an astronomer by profession, has made a special study of Mars for many years. His new book, "Mars and Its Mystery," which appeared early in October, contains some astonishing revelations about our next-door neighbor in the solar system.



PROFESSOR EDWARD S. MORSE. Who Feels Sure Mars is Inhabited.

Professor Morse thinks the inhabitants of Mars may raise tobacco extensively. The Martians may be even greater smokers than the men of the earth. How Professor Morse got this idea is best explained in his own words:

"At certain times there has been observed in the equatorial region of Mars a number of white spots, which have greatly puzzled the student of Mars, and for which no explanation has yet been offered. That they are not clouds is seen in the fact that they do not move or drift. Furthermore, these white spots are fixed features of the region, as they appear in the same places.

"It might be suggested that they represent snow-capped elevations or mountain peaks, but this is difficult to believe, as an examination of the terminator of Mars reveals no evidences of high elevations. These white spots appear only in midsummer, which would argue against their being snow caps, as in midsummer they would certainly melt and disappear. The time of their appearance coincides with the time of greatest equatorial heat.

"Since the appearance of those white spots in Mars corresponds with the period of greatest evaporation, it is conceivable that an intelligence in Mars might utilize the same method which has recently been adopted in Connecticut and Porto Rico in the raising of tobacco, namely, to protect the fields with white cotton cloth.

"It is the canals of Mars, however, that furnish Professor Morse with the strongest evidence of life on the red planet. On this point he quotes Professor Percival Lowell of Boston, who has made more extensive observations of the Martian canals than any other astronomer. He says:

"What we see hints of the existence of beings who are in advance of, not behind, us in the journey of life."

Problems of a Dying World.

A peculiar interest is excited in these superior beings because they have grappled with the problems of a dying world. They have learned how to exist on a desert planet where water is the scarcest and most precious thing in existence. Their whole world is much like the Sahara desert, or the flat desert plain of our own Arizona.

Yet on a dried-up world of this sort they evidently have built up and continue to maintain a civilization far in advance of anything on the earth. This is indicated by the complex canal system that prevails all over their globe. One of their canals alone is over 3,000 miles in length, long enough to reach from Boston to San Francisco. Inland canals would be as numerous as railroads on the earth.

Professor Morse has made a drawing showing how similar some parts of our canal system of railroads are to the Martian canals. The above drawings also present a similarity. These illustrations are set forth to show that such markings must be the works of intelligent beings rather than the haphazard cracks or markings of nature. Professor Morse sums up the argument in favor of the Martian canals being artificial in these words:

"The unnatural straightness of these interlacing lines on Mars, many of them following the arcs of great circles; their uniform width throughout, their always starting from definite areas, their convergence to common centers, and no parallel in natural phenomena, find where these canals meet one another are circular areas, indicating great oases, and probably large cities.

Professor Morse has made much of the material for this book by a visit to the southwest. He spent five weeks at Professor Lowell's observatory at Flagstaff, Ariz., the dry, steady, clear air, 7,000 feet above the level, he studied the surface of Mars thru a telescope. He saw the pale yellow disk of the planet gradually develop a network of dark markings. It was like a photographic plate, first blank and then mysteriously taking on shades and lines, till a world picture was presented. Looking about him in that desert region, Professor Morse found an explanation of the Martian mystery.

Explanation of the Martian Mystery.

"Let one stand on some peak of the Verde mountains," he said, "northeast from Phoenix, Ariz., overlooking the Gila river as it follows its course across the desert, and after the river is lost to view he will notice that the foliage along its banks marks its course.

ly, man and the higher hymenoptera, the ants."

We have the choice, then, of considering the Martian either a man or gigantic being, adapted to breathing the rarefied air, or a mammoth ant. Professor Morse seems to lean to the idea that a creature very like man is the Martian intelligent being.

What Martians Might Say of Us.

One of the most interesting parts of Professor Morse's book is the chapter on "What the Martians Might Say of Us," which begins:

"For every single perplexity of interpretation we encounter in our study of the surface markings of Mars the Martian would encounter a dozen perplexities in interpreting the various features on the surface of the earth."

"What must be the Martian interpretation of the surface features of

I Told You So!



When the nature of the business of the Tailors' Misfit Exchange was explained to the public last week we prophesied the bargains we should offer in high-grade, made-to-order Suits and Overcoats would keep us good and busy.

As you are aware, we had our opening Saturday, and, without exaggeration, the store was literally packed all day with customers and would-be customers.

We very much regret that our limited space compelled us to turn away a lot of men who wanted to get next to the good things, but have made arrangements to overcome this difficulty on Monday.

We shall have a much larger force of salesmen tomorrow, and the bargains we shall offer will be greater than ever.

Among the good things offered are:

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- LOT 1—This lot consists of 40 coats and vests, made to sell at \$12, sent to us on consignment and will be sold quickly at **\$4.88**
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- LOT 5—Here is a lot you must see. Top price coats, Venetian satin lining, finest cloth and workmanship, value **\$14.92** to \$60.
- LOT 6—And if you want the very best look this lot over. Your choice of these very finest fabrics, made for the best dressers in the country **\$17.63**

Each and every one of these garments was made to special order for a customer who failed to make good. They were consigned to us by the best tailors in the northwest for peremptory sale, and for that reason—and that reason only—it is possible for you to obtain a high-grade, made-to-order Suit or Overcoat for about a quarter of its true value.

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this world? In examining the earth as we have examined Mars, the Martian would find large yellow and reddish areas, extensive greenish areas, and, besides, large regions of varying shades of blue, occupying three-fourths of the earth's surface. The yellow areas he would interpret as desert land, the greenish areas he might consider vegetation, but what would he make out of the larger regions of blue? This would certainly puzzle him, because, unfamiliar with oceans, he could not believe that such vast tracts could really be water. He would easily interpret the polar caps and the water at their edges, but the oceans would be impossible to solve.

Even if he recognized oases in the deserts of America and Africa, the results of artesian wells or springs, he could not believe them to be vegetation, for he would detect no irrigating canals running into them. He would come to the conclusion that no creature could possibly exist on the earth. The tremendous force of gravitation and atmospheric pressure would forbid the existence of organic forms. Life, if it existed, must have legs of iron to sustain its weight, and a crust like a turtle to be impervious to the force of rain-drops, and this would be contrary to all Martian analogy.

"Believing that Mars is rightly balanced as to temperature, the earth, being so much nearer the sun, would be too hot for life to exist. The Martian considers our year too short. In his reflections he says: 'During the period in which one of us attains the middle age of 50 years, those on earth have become decrepit old men of 94, if indeed they are not already dead.'"

If there is an intelligence on Mars, writes Professor Morse, "it must have evolved along the same general lines as intelligence has developed on the earth. Being an older planet, it must have outgrown many of the vagaries and illusions which still hamper man in his progress here."

Asphaltine.

Asphaltine, a substance composed of a mixture of tar and iron slag, is being successfully used on the streets of London and Stuttgart. It is claimed that this new substance, invented by Professor Buettner of Munich, is superior to any now in use in the construction of pavements. The journal Bitumen describes it as being so elastic, tough and durable as to resist almost completely both grinding and crushing. Bad weather during construction of asphaltine streets is said to have no effect on their durability. Remember that golden grain belt beer, the ideal home beverage, is made from the best of nature's products and brings health, strength and happiness to the daily user. Order a case for home use.

Bah! Bah! Bah!

Get your tickets to Chicago and back for the football game, Nov. 10, from the Chicago Great Western railway. Tickets good in sleepers on sale Nov. 8 and 9 for \$8. Tickets good in Tourist sleepers on sale Nov. 9 for \$6, good to return Nov. 11. Let R. H. Heard, general agent, corner Nicollet avenue and Fifth street, Minneapolis, inform you further.

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Announcement

We wish to announce to our friends and customers that we have secured exclusive sale of treasury stock of the Combination Extension Mining Company of Goldfield, and now offer as a preliminary and special offering a limited allotment at the opening and ground floor price of 45 cents per share, at which price we strongly recommend its purchase.

This company owns absolutely free and clear of all indebtedness the August claims, August fraction and August Fraction No. 1, situated in the heart of the productive area of the Goldfield district sideling the Portland mine and adjoining and being an extension of the great Combination mine of Goldfield (which is now paying dividends of 120 per cent per annum) within a stone's throw and on the same ledge and dykes from which millions are now being produced by the Combination, Florence, Mohawk and other famous mines.

Development is in progress on the property and a large shaft is being sunk. A 50 horse-power hoist, air compressor, machine drills and equipment sufficient to sink and develop the property to a depth of 1,000 feet have been ordered for rush delivery and it is the determination of the management and of ourselves that in point of rapid development, the production of high grade ore and payment of dividends the record of the Frances Mohawk will be equalled, if not exceeded.

We recommend the purchase of this stock as fully the equal of our former offering of Frances Mohawk four months ago at 15 cents to 20 cents per share. This stock is now 85 cents bid and the mine has a daily production of \$25,000 in high grade ore and has paid one dividend of 5 cents per share, and on November 1st declared a second dividend of 10 cents per share, payable November 15th.

As this allotment will be undoubtedly several times over-subscribed, we invite you to telegraph for reservation, which you may do at our expense.

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