

THE APPEAL STAYS BECAUSE: 1-It aims to publish all the news possible. 2-It does so impartially, wasting no words. 3-Its correspondents are able and energetic.

LITTLE APPEAL

THE APPEAL KEEPS IN FRONT BECAUSE: 4-It is the organ of ALL Afro-Americans. 5-It is not controlled by any ring or clique. 6-It asks no support but the people's.

VOL. 17, NO. 5.

ST. PAUL AND MINNEAPOLIS, MINN. SATURDAY FEBRUARY 2, 1901.

\$2.40 PER YEAR.

AS TO WOMEN WHO DRINK

THEY ARE MORE NUMEROUS THAN FORMERLY, BUT FEWER GO TO EXCESS

SOME FACTS FOR ALARMISTS

Whatever May Be True Abroad, the American Woman is Unlikely to Deteriorate Because of Over-Indulgence in Stimulants.

Within the last week or two there has been a repetition of the general wave of protest which goes up now and again in different sections of the country...

In New York Bishop Leighton Coleman, of Delaware, who attended the annual meeting of the Church Temperance Society...

The great work of the society for the coming year, as in fact for the entire century, while not neglecting the men, is to reclaim the women...

The members of the Women's Christian Temperance Union have also been agitating the subject once more in regard to the feminine population of New York...

There is no device or artifice to which woman will not have recourse to attain what she regards as her ideal...

Some women imagine they cannot exist without a certain dose of cocca wine, quinine, tonics and rest...

While these reformers wax and fall with the regularity of the tides, they have rarely been engaged in the same two continents at one and the same time...

Another class of eating place where women are observed to drink on equal terms with the men are the restaurants...

As to secret intemperance, which we see a greater extent than the general drinking at dinner, which has become a custom...

Hotel proprietors and head waiters generally agree that there is more drinking with meals than ever before...

The women of France, Italy, Russia and England have always drunk more one from which the sex has risen by education...

A glance through the fashionable dining rooms of the city during the hours when women are to be found lurching gives, as a rule, no evidence of any alarming increase in the drinking habits of the feminine community...

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more roused in consequence. Their habits, however, especially in evidence at the hotels, where many of the notable women of these races have stayed during visits to this city...

Among society women of this country the greatest amount of drinking is done at formal dinners and suppers and at dances, all of which are long, drawn out affairs...

The bureau of Kiel transmitted to all the observatories a letter to the effect that the Flagstaff observatory, Arizona, had received a message from Mars...

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"From observation we know," says M. de Fouville, in the European edition of the Herald, "that light never proceeds geometrically. This rectilinear disposition seems to indicate a voluntary action..."

"The custom of serving Scotch whisky and soda at tens for the men has become quite prevalent. Those men who do not imbibe from the bottle are served with lemon and rum fruit punch or other popular Scotch..."

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"At the German resorts the rathskellers that now encourage the presence of women and the various 'saloons' of the favorite beverage of the nation is invariably drunk by the wives and even the children of the men..."

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WILL WE COMMUNE WITH THE MARTIANS?

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about the same time the following suggestion was made by Mr. Frank H. Norton, in an article appearing over his signature in the Illustrated American for June 6, 1894:

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that he has obtained results which he believes will make communication with Mars a fact. Scientists, it is true, doubt his theory, but in his reply to his critics Mr. Tesla affirms that he has not the slightest doubt, judging from his experiments and measurements, that it is within the bounds of possibility to convey a message to Mars.

With a properly constructed oscillator an amount of energy can be transmitted to such a planet as Venus or Mars, even at their greatest distance, sufficient to bring into action a sensitive instrument such as I have been using in my own observations. Furthermore, it is an error to believe that a great expenditure of power is necessary for interplanetary communication. What is needed is an effect specifically great—an enormous rate of energy delivered, but lasting each time only a fraction of a second, so that the total used up is small. Now, with my oscillator I can make this rate equal to five million horse power and more, if necessary, and my calculations show that a small fraction of this rate is amply sufficient for conveying a message to Mars.

Thus we witness, at the beginning of the new century, a revival of the theory as to the possibility of communicating with the people on Mars, taking it for granted that the planet is inhabited, the one being as great a problem as the other. Nikola Tesla expresses a hope that the people on Mars may be as intelligent as we are, if not more so. If they are, we can feel assured that they are not wasting their time trying to signal to the people on planet Earth by means of electricity or otherwise, for they are probably not even aware of our existence.

It seems difficult to realize the fact that, seen from Mars, our planet presents very nearly the appearance Venus presents to us, the latter being earth's twin sister as

well seem possible under the circumstances. The year lasts 225 days and the seasons are nearly twice as long as here. During the long winter season a great mass of snow and ice collects at the polar regions. At any rate, the polar caps of Mars really seem to be made of ice deposited from vapor in the planet's atmosphere, and it appears as if the ice melted during the Martian summer.

By this means an immense quantity of water is set free, the polar seas overflow and as a result the land is submerged as was the case with the last ice age. At the same time "canals" begin to make their appearance as faint, dark lines, growing wider and wider, until they are about fifty miles across, and then by way of variety they double, very often within the short interval of twenty-four hours, the twin canals run side by side like railroad tracks, only in this instance the tracks are often separated by a distance of two or three hundred miles.

At the junction of the canals round the planet are observed, termed "oases" by Mr. Lowell and "lakes" by the Milanese astronomer Schiaparelli. Their average diameter is about 130 miles, the largest of all, known as the "Lake of the Sun," is 300 miles long. If we accepted the theory that the canals were made by the inhabitants of Mars, and that merchandise was, or is, conveyed by means of these canals to all parts of that distant world, then the "Lake of Mars" would seem to be the place where they might suppose Martian merchants most to congregate.

The idea, however, that the road spots are oases rather than canals, has been more generally accepted since these spots increase in size, showing the advance of the season and the possible growth of vegetation on their surface. This would seem to indicate that the canals are oases rather than canals, and that the oases have been the work in ages past of intelligent beings who once peopled this planet.

When we recall the fact that the planet is subject to yearly inundations, devastating large tracts of land, then if Mars ever was an inhabited world, canals must have proved an obvious necessity. In fact, it has been suggested by such authorities as Flammarion and Mr. Lowell of the Flagstaff observatory, Arizona, that the canal system of Mars is undoubtedly the work of the inhabitants of Mars.

These canals are said to surpass any of the great works of a similar kind carried out by the orders of the emperors of China or the kings of Egypt. According to a calculation made some years ago by J. Orr of the British Astronomical Association it would require an army of 200,000 men, working for 1,000 years, to construct the canal system now outlined on Mars. Nevertheless, owing to the lessened force of gravity on this planet, the men might attain a strength and stature greater than ours without being burdened by their own weight, and dealing only a little more than three or four pounds would weigh only thirty pounds on Mars.

If we were able to jump to a height of five feet on the earth he could jump thirteen feet there with the greatest ease. As for the weight of a man, a Martian elephant might be as agile as a terrestrial deer.

Mars is considerably smaller than the earth, being only 4,300 miles in diameter, while the earth is 7,918. If the substance in the earth were made into seven balls, each ball being only one-seventh the size of the earth, Mars would be one of them. Mars, its volume being only one-seventh that of the earth, could Mars and the earth be weighed in a gigantic pair of scales, it would take nine globes weighing as much as Mars to make the scales even, the mass of Mars being one-ninth that of the earth.

It seems strange that we are able to tell the weight of a planet millions of miles distant, but the power of attraction exerted by Mars on its own little moons gives the secret away. Knowing the size of the moons of Mars and the attractive force that must be exerted by Mars to keep them from wandering away from their guardianship, we can tell how great is that power and the mass or quantity of matter the planet contains. The weight of a body is the force with which it is attracted by the mass of a planet.

If a baseball club could play on Mars, and despite the atmospheric peculiarities of the planet play a game, the distinction between mass and weight would be very forcibly illustrated. The ball would be drawn toward Mars by only one-third the force that the earth draws it, and it would be nearly as light as a rubber ball. It would stay long in the air when batted and home runs would be made all the time.

As to the planet Mars ever has been or is inhabited it must be a race of beings not constituted as we are. According to Prof. Young, "if intelligent beings exist there the probabilities are strong that they are very different from us in ways which we can hardly conjecture, since the difference between the earth and Mars in physical conditions must almost necessarily have determined different lines of development on the two planets. It may be said with confidence, however, that on Mars the conditions, diverse as they must be from our own, are still more nearly earthlike than any we see of the heavenly bodies which we can see with our present telescopes."

As to the so-called signals from Mars the same authority assures us "that there is not the slightest probability that we can distinguish any signals they could make. And, supposing they could, who would be able to read their meaning?"

In regard to the revival of interest in plans for signaling Mars, it is rather curious to note that the time has about expired for the bestowal of the legacy left by Mme. Guzman. Not long ago a notice appeared in a scientific journal to the effect that the money had reverted to the French Institute—Mary Proctor, in New York Herald.

A New York Herald correspondent on the fact that even the most recent plan that was found in the markets of this city last year, and which had been sent from Prussia, contains the name of a Frenchman, and that it is from America that the money is to be sent, and that the money is to be sent to the French Institute.

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