MARS, RUDDY PLANET NOW AT ITS NEAREST

Astronomers Hoping To Find In the Sciences Than Those Who Inhabit the Earth

By RENE BACHE.

If you have the use of even a small telescope, take a look at Mars. It is Mars is relatively close at hand, ought worth doing, for the planet has never to shed much light upon this and been so near to us since the oldest

human being now living was born.

Not again will it approach so near to the earth until long after the year ally strips of cultivated vegetation, it 2000, when the babies of today—the would account for the sensational

than 35,000,000 miles distant. Never be fore has there been such an opportunity for detailed examination of its surface; for astronomers today have at their disposal such instruments of observation as were not until very recent years available.

phere, on which the astronomers will mals that furnish food.
watch the progress of a Martian late Are we witnessing, or autumn and early winter. They will see the southern ice-cap (correspond-

Pole) slowly form.

That in itself is a matter of inviting special attention, inasmuch as the ice-cap is unquestionably developed by falling snow; and snow implies water-vapor, which can be carried and precipitated in a frozen state only by an

atmosphere.

Heat, Air and Water

This seems to settle the question whether there is air and water on the surface of Mars. Manifestly the planet has a considerable atmosphere containing a great deal of moisture. Water air and warmth are the three prime essentials for the support of animal and plant life. How about the warmth? Some au-

thorities have contended that Mars must be too cold to support life. It is 145,000,000,000 miles from the sun (Average distance), whereas the earth only 93,000,000 miles from the central luminary. But Mars, thanks to his thin atmosphere and lack of clouds, gets full benefit of at least 90 per cent of the heat delivered by the sun, whereas the relatively dense and vaporous blanket of gases that envelopes the summer and winter, each is of 11 summer and winter. earth allows only 60 per cent to come through.

Furthermore, observations of freezing and melting on the surface of Mars appear to indicate that temperatures

are about the same as on the earth.

Clouds are seen from time to time floating in the atmosphere of Mars. but not often. For that reason teles-copic observation of its surface suffers no interference; and hence it is that rived. Thereupon, or not long after-already we know more about the planet wards, the above mentioned stripes than we do about any other heavenly body, the moon excepted.

It is for that reason that we come to be so intensely interested in Mars, width. whereas little attention is paid to Venus, though the latter is the earths very twin, of nearly the same size, ing and again fading at seasonal in-known to be well watered, and apparently enjoying all conditions reof dense clouds, so that her surface cannot be seen.

Prof. C. A. Young, of Princeton, has written: "There are only two among all the heavenly bodies seen with our telescopes on which anything like ter-

four planets-Jupiter, Saturn. Uranus and Neptune—are still so hot as to be incandescent. All the stars, of course, are blazing suns. Presum-ably most of them have attendant planets, but the latter are invisible to the telescope, though it is only reasonable to suppose that millions or even billions of them are habitable inhabited by intelligent beings

A limit being set to our facilities of observation, we concentrate our attention upon Mars, and hope that within the next few months we shall learn much about that planet which as yet remains unknown

We are told that Mars is a much older planet than the earth; that it is only one-ninth the size of our terrestrial globe; that, in view of its lesser forces of gravity (38 per cent of ours), the average man on Mars (If there is such a being) should be sighteen feet tall and of proportionate bulk. He should be correspondingly strong and agile, with a muscula efficiency seven times as great as that of the average male American citizen. Hence he could leap with a spryness easily juggle with dumbells which, if we had them here, would weight

alf a ton a piece. In regard to the Martians, however, the most interesting idea is that, being inhabitants of a much older planet ing inhabitants of a much older planet they may be infilled of years shead of us in the development of mechanical appliances, in civilization and in knowledge of the sciences. We talk about signalling to them by radio, who knows that they may not involve trying to signal to us by that or other means for many centuries past?

What shall be said of those "canals"

generally accepted is that they may be strips of vegetation. Some of them are as much as 180 miles wide. The canal idea seems nonsense

Schiaparelli, an Italian astronomer, who originated the canal theory, wrote: "All the vast extent of the Martian continents is covered with a network of dark stripes, some of them stronomers Hoping To Find thousands of miles long, that do not at all resemble the winding course of streams. Sometimes where one of And If So, What the People these canals opens upon a sea, it widens out into a great bay, as in the Who Live On It Are Doing; case of the so called Syrtis Major, formed by the vast mouth of the Nilo-Possibly There Are People syrtis. That gulf is not less thouth of the Nilo-There Far More Advanced miles broad, its surface nearly equal in ster to that of the Bay of Bengal." in area to that of the Bay of Bengal."

This is worth quoting because of the picture it gives of the 'surface of Mars as it appeared to Sihiaparelli. But his inferences are highly speculative. The dark patches which he took

for seas may not be water at all. Observations at this time, w other questions.

Plant Life On Mars

If the stripes in question are actufew of them that happen to survive darkening and subsequent fading of —will be very aged men and women, the 'canals' —a phenomenon for which —will be very aged men and women.

All the big telescopes in the world schiaparelli confessed himself unable are now pointed at Mars, which is less to account. In that case the time of the fading must be harvest time in

The yegetation, to correspond with the supposed stature of the people of Mars, may be of gigantic luxuriance If so, its production may be adequate On this interesting occasion Mars is to maintain proportionate numbers of turning toward us his southern hemis-

Are we witnessing, on Mars, in a blicking and near-sighted way, the doings of rational beings immeasurably superior to man and capable of dealing, by engineering and other Pole) slowly form.

That in itself is a matter of inviting means, with thousands of square miles of territory as easily as vate a garden patch?

We know that Mars is a desert plus-et. It looks red, even to the naked eye, because most of its surface is reddish in color, though in parts yellowish. That means red and yellow sands and rocks. On this background appear dark and well-defined brownish and greenish patches, some of them very large, others small and scattered. Do these patches represent seas lakes? Nobody can say.

Specially conspicious is a vast in-land "sea," somewhat triangular in shape, which is called the Lake of the Sun. Another alleged water area of great size is the Lake of the Moon. But are these really water at all?

Too much guesswork. But it is the best that has been possible up to now. By observations now being undertaken some of it may be converted into

summer and winter, each is of 11 months length. Thus the snow cap at each pole has time to be so far melted as to be reduced to a small remnant.

due to the melting, has evidently ar-

for the growing of Martian crops?

Mars, as alreary said, is a desert is by planet. But what do we do with our rism. own deserts up to now, we haven't done very much, but we are beginning to learn—as witness what we are do ing in the reclamation projects of the

Possibilities of Irrigation

If there be lack of water for the land, anywhere, there is plenty of it not far away, usually. The most hopeless desert in the world, as one might suppose, is the vast depression in the Western part of the Sahara. Even the Arabs, with their caravans of camels, anxously avoid it. Yet the French engineers are going to turn the Atlantic cean into it and convert it into a sea over which ships will voyage straight from Europe to Timbuktu and the region of the Niger.

The Martians, apparently, have found themselves confronted with vastly more formidable obstacles. But they have overcome them. They have had to do so in order to survive. What

will not intelligent creatures accom-plish if survival be in question? The Martians may, as already suggested, be far more intelligent creatures than ourselves. How fortunate it would be if we could establish communication with them, and so obtain from them knowledge which other-

What it really was, nobody knows what it really was, notody knows. It is this day a mystery.

Now and then small bright spots are observed on the sprince of the planet. They are thought to be the tops of snow-capped mountains shin-

Prince of Wales at Polo



This view of the Prince whose visit has set many feminine hearts affutter, shows him in action at his favorite sport.

ing in the sun

It is conceivable that by the use quisite of animal and plant life. A Problem in Geometry.

nizable design-with a form, say, re- gence. presenting the forty-second proposiknows that proposition, the famous "asses' bridge," proving that the square on the hypoteause of a right angle triangle is equal to the sum of instantly.

reminded. Our own terrestrial globe, as viewed from Mars, is continually as to appear geometrical. They are from twenty miles to 180 miles in atmosphere, with much dust in its arriving now. Only selected lines of lower levels, must to a considerable advertised good will be stocked, it extent obscure the earth as a visual is said.

quisite for habitability. But Venus is gent beings is somehow concerned? His instrument perceived them—mesalways covered with a thick envelope

These are fasts, mind you. There is sages carried by waves of enormous

restrial life could exist—Venus and liss recurring summer season—flows more or less human like, how vastly interesting it would be to gain complititle planet nearest the sun) exceeds and, by the help of scientific irrigamunication with them. They may have the boiling point of water. The four stage of civilization and en-

The typical Martian may have huge brain, with a head of size to correspond, and spindly legs. For locomotion on that planet, where the force of gravity is so small, he would require little muscular effort. Indeed e may have given up walking. Why walk when there are easy mechani-cal means of getting about? We our selves are advancing in that direction as evidenced by the invention and de-

velopment of the automobile.

Being Different From Us. We are accustomed to consider that onditions as we find them in this world are established to fit quirements. We are air-breathing animals; therefore an atmosphere is profor our use. So likewise with everything else that goes to make up our enviroment.

This, however, is a totally mistaker lew; the fact is exactly the opposite. We human beings are products of our environment, created and developed to fit it. Conditions on Mors are very different; hence it is to be presumed that the people there (if there are any eings properly so to be called) are very different from ourselves.
We certainly need to know them

from them knowledge which otherwise we might need many thousands
of years to acquire!

A few years ago there appeared on
the surface of Mars what seemed to
the astronomers to be a very bright
light. The idea naturally suggested
itself that it might be a heaven of Large parts of the vast sandy wast of the Sahara, in Africa, were agri itself that it might be a beacon of of the Sahara, in Africa, were agri-some sort, meant for a signal to the culturally fruitful within historic time The earth seems literally to be drying up its surface waters being absorbed by the underlying rocks.

But Mars has been a desert planet or ages. If it is peopled by intelligent beings, they must not long ago learn-ed how to deal with the problem. For

water is the prime fundamental re-

of electricity we might, at enormous As for air to breathe, the Martians expense, make a signal light of some must be able to get along with much sort that would be visible to high-less of it than we require. Perhaps power Martian telescopes. Necessarily their lungs are of huge capacity, so it would have to be of immense size. that we may figure to our imagination
A Problem in Geometry. the typical Martian is a human-like A rerosem in decement,

A mere illumination would not sufcreature with a big head, a mighty fice to convince Martian astronomers chest, and spindly legs. Taking into that the earth was inhabited by intelligent beings. But suppose that would seem to us a gigantic goblin such abeacon were of certain recognisable design, with a form say re-

J. H. Tucker, who has been in the merchandising business in Hender-son for the past fourteen years, has an the squares on the other two sides, son for the past fourteen years, has an If a Martian scientist saw that design nounced that he will open a clothon the earth's surface, outlined in ing stode in this city on September 6, light, he would recognize its meaning. The business will be known as the Tucker Clothing Company, and As each show-cap meits, a capra with area entireling it is seen to grow that this is water. A season of flood, which we are to be signals from earth that this is water. A season of flood, is a difficulty of which we are to be

and their needs.

Mr. Tucker left Thursday for New wards, the above mentioned stripes covered to a great extent by floating York markets to buy additional stock begin to appear, in lines so straight clouds. Even when clouds are left for the store. He has already done

Why are they temporary, reappearing and again fading at seasonal intervals? Is there any rational explavinced that signals of some sort were
nation except that the work of intelli
gent beings is somehow concerned? His instrument perceived them—mesThese are fasts, mind you. There is
not a word in this story that as far
length—but he could not translate
length—but he could not translate
las it goes, has not authorative any These are fasts, mind you. There is not a word in this story that as far as it goes, has not authorative endorsement. You are at liberty to draw your own conclusions.

Shall we not suppose, as a tenable theory, that the water from the melting polar ice-cap—from each pole at if the planet possesses inhabitants

Sages carried by waves of enormous as manager of the local store. He has had expressions of regret at his going, coming from officials of the store, as well as well wishes from many of his friends of the outside, who have learned that he will go into business for himself.

The new store will be located in

The new store will be located in the quarters in the Hawkins buildlightment so advanced that our own is by comparison a benighted barba-ing is to be overhauled, new metal and Electric Company, next ceiling put in, new light fixtures and modern fixtures for the display hats and clothing. —Henderson Dis-

NEW CAFE

We, wish to announce to the people of Louisburg and Franklin county that we have arranged and fully equip ped and newly furnished a modern cafe in a room next to our barber shop. We have secured the services of Ada Stegall, who is one of the best cooks in town to have charge of the cook ing. We expect to serve the best bill of fare that can be made up in Louisburg. You can order what you want and have it served right. We expect to make a specialty of a business mans lunch.

The cafe will be run exclusively for white people and every courtesy and accommodation will be extended those ho pay us a visit. STEGALL BROTHERS.

WANTED

First class cotton farmer either for wages of on shares, good dwelling, fine land, good neighborhood, for a part of Prestwould farm, Mecklen-barg County, Virginia See me or write

W. T. HUGHES, Jeffress, Va.

FOR SALE One or both of my farms near Bunn, in Dunns township, Good house, good, location, easy terms. See J. S. Williams. 9-5-2t

TRUSTEE'S RE-SALE OF LANDS

THE LADIES SHOP NEW MATERIALS AUTUMN IS FAVORING

At The Ladies Shop you can depend on finding the new and attractive in Fall materials and trimmings. New Crepes from 59c up.

Black Duchess Satin, yard wide, \$1.75.

The new Fur and Ostrich trimmings.

A full line of Novelty buttons.

In Gingham we can give you good cloth from 15c to

Come in to see us when in town.

THE LADIES SHOP

Louisburg, N. C.

Mrs. R. R. Harris, Prop.

Mrs. J. A. Turner, Mgr.

FRED'S FILLING STATION

PLEASE ACCEPT MY SINCERE THANKS FOR YOUR LIBERAL PATRONAGE THE PAST WEEK.

HELP ME WITH YOUR TRADE AND I WILL HELP YOU WITH GOOD OIL AND GAS AT LOW PRICES. IF YOU DON'T NEED ANYTHING BUT AIR AND WATER COME RIGHT ALONG. I AM ALWAYS GLAD TO SEE YOU.

SEVICE IS MY WATCHWORD

Yours very truly,

FRED B. LEONARD

GAS TODAY 20c Gallon

21, 1915, and recorded in Book 210, page 26, default having been made in the payment of the debt thereby secured and demand for foreclosure hav ng been made upon said Trustee by the holder of the indebtedness so se cured, the undersigned will on

MONDAY SEPTEMBER 22,1924 the noon recess of court offer for sale at public auction to the highest bidder for cash, that tract of land in said deed of trust conveyed and de scribed as follows:

Situate in Cedar Rock Township Franklin ounty, North Carolina, being that tract of land conveyed by M. M. Gupton to Mrs. Emma Stallings, by deed dated December 16, 1990, and re corded in Book 85, page 510, and by Mrs. Mabel Suiter and Mrs. Elizabeth Stallings" and G. B.H. Stallings, conveyed to C. A. Long, bounded as fol-lows: Beginning at a hickory, G. M. Stallings corner, running thence 8 88 1-2 E 123 poles to a small white oak, Coppedge's corner, in W. D. Coppedge's line; thence S 1 E 94 poles to two white oak pointers, W. D. Cop-pedge's corner; thence S 89 1-2 W 100 poles to a poplar and gum; thence N 81 W 29 poles 18 links to a red oak, R. R. Burnette's and G. M. Stalling's corner; thence N 3 1-2 E 85 1-2 poles to the beginning, containing 74 3-4 scres, more or less. his August 30, 1924.

Wm. H. RUFFIN,

SALE OF REAL ESTATE TRUSTRE'S RE-SALE OF LANDS
By virtue of an order of re-sale ings secore the Clerk of the Superior order of re-sale ings secore the Clerk of the Superior order of the Court and subject to compare the Superior Court of Frank.

Court of Frankin L. Cooke, et al., vs Abraham L. August 18, 1924, and an upset bid there Cooke, Administrator of J. L. Grant on; and by virtue of the power and Cooke, et al., "the undersigned Com
Solve This is a sale for partition and order of the Court and subject to continuously and the court.

This 30th day of August 1924.

Solve This 30th day of August 1924.

Compilesion

authority conferred by that deed of missioner in pursuance of said Order trust executed by C. A. Long to Wm. will on Monday, the sixth day of Oc-H. Ruffin, Trustee, dated December tober, 1924, at 12:00 noon, at the Court tober, 1924, at 12:00 noon, at the Court house Door of Franklin County in the Town of Louisburg, N. C., offer for sale and sell to the highest bidder for cash the following described lots or parcels of land, lying and being in the Town of Louisburg, and more particularly bounded and described as follows:

FIRST TRACT: Beginning in the center of Louisburg-Raleigh road at an iron stake on the west side, Annie Green's corner; thence North 79 dégrees West 10 poles to a cedar stake in Annie Green's Mne; thence North
11 degrees East 6 poles 4 unities to
a cedar stake; thence South 79 degrees West 16 poles to the center of the road, a cedar stake in West side; thence along the road South 50 degrees West 8 poles 18 links, to the beginning, containing one-half acre, Recorded in Book 179, Page 482, Register of Deeds office of Franklin County, and being the property conveyed by C. E. Timberlake, administrator of J. P. Timberlake, to Grant Cooke.

SECOND TRACT: Beginning at a ock or stake Northwest corner of lot of Lazarus Neal; thence North about 54 feet to a rock or stake on said Releigh road, William L. Williams' corner; thence East a straight line to Julius Hayes' line; thence South along Julius Hayes' line about 54 feet to Lazarus Neals' line; thence along Lag-Lazarus Neals' line; themse along Las-rus Neal's line West to the bestmidg, containing a dwelling touse, and be-ing the land conveyed D. F. Mc-Kinig, S. P. Burt as er, Assimistrators of C. Turser, de-ceased, to J. L. Grant Corks.

firmation of the court.
This 30th day of August. 1924.
This 30th day of August. 1924.