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The Flood.

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ROBABLY the most remark. able story between the two covers of the bible is the story of the flood. God created the earth and its inhabitants about 4004 B. C., and they became fruitful and multiplied greatly on the face of the earth. Yet, while they were multiplying, they had so far forgotten their wonderful origin that they grew as wicked as they did strong.

"And it repented the Lord that he had made man on the face of the earth, and it grieved him at his heart." (Gen. vi. 6.)

In the next verse he decided to destroy all life on earth, but in the verses following we are told that Noah, a just and good man, found grace in his heart and he agreed to let Noah and his family live. The ark was the means provided for their safety, and into it they took the animals.

To understand the matter fully it would be necessary to read the entire 6th, 7th, 8th and 9th chapters of Genesis, but we will make a few verses answer our purpose. Let us take Genesis vii. 10, 11, 12, 19, 20.

"And it came to pass after seven days, that the waters of the flood were upon the earth.

"In the six hundredth year of Noah's life, in the second month, the seventeenth day of the month [November 17th], the same day were all the fountains of the great deep broken up, and the windows of heaven were opened.

up hill very slowly. Hence the hours. Nile, flowing up hill, had to flow ed towards the south.

supported a crystal dome, which covered the whole world and above the entire world, as reported by which was the abode of tho gods. windows of heaven" and the waters inches. above the firmament would fall to the earth.

to question the story of the flood. enter the ark in this story, but will flow of Niagara would be but a en then it is a great question if we fy it.

depth of its principal seas, and we know the amount of moisture the air can hold without precipitation. We are now in a position to begin our investigations. The rain was upon the earth forty days and forty nights, or 900 hours of steady rain, and during this time enough water fell to fill the whole earth so that the highest mountains were covered to a depth of fifteen cubits, or a trifle over 27 feet 4 inches.

explained it very readily. Of The water rose to a height of 27

It is a very severe rain that less above sea level. very slowly. Then the earth slop- causes over one inch of water The average annual rainfall of 820,722 cubic miles.

tain Lawson reported it to be, 32,- even approximate the amount of This was an easy matter to han- 763 feet high, and it was covered water that would be absorbed by dle until the form of the earth was to a depth of 27 feet, 4 inches, it the 4,180,000 square miles of deslearned. This and the invention would have been necessary for it to ert we have on the earth's surface. of the telescope and researches in rain enough to cover the earth to a If you wish to try it, take a pail of astronomy have swept away the depth of 819 feet, 9 inches, each 24 sand. Pound it down as hard as abode of the gods, and man began hours, in order that the depth of you can get it, then see if it does 32,790 feet of water might fall in not take up nearly its own bulk of Let us examine it. We will not 40 days and nights. The entire water.

devote an entire story to that. Ev- drop compared with this amount. But, as we have said, there seems sea will hold but one per cent. of can devote sufficient space to justi- to be a question regarding Mt. Hercules, and we will also use Mt. The highest clouds, the cirrus, or But there are some facts cancern- Everest in our calculations. It is "mackerel sky," are about 6 miles ing the world that we know. In 29,002 feet high, to which add the high and the rain clouds are but the first place we know its size and 27 feet, 4 inches of water which about one mile high. The water shape; we know the height of its covered it, and we have a total reached as high as these clouds and principal elevations; we know the depth of water of 29,029 feet, 4 inches. This would have to fall at the rate of 725 feet, 9 inches per of water produces 1,700 cubic inches day; a little less than 30 feet, 3 inches per hour; a little over 6 inches per minute or the amount of an ordinary rainfall each second of time. For all practical purposes the earth is 8,000 miles in diameter; the highest mountains are 6 miles high. The cubical contents of the earth, using these figures, amount to 268,083,200,000 cubic miles. If we covered it with water to a depth of 6 miles, its cubical contents would be 269,291,384,866 1-3 cubic miles. By subtracting the first amount from the second we find that it would require 1,208,184,866 1-3 cubic miles of water to cover the earth to the necessary depth. But the earth is not exactly round, although the highest mountains are no more in comparison to its surface than a grain of sand is to an ordinary globe, 16 inches in diameter, used in school rooms. Three-fourths of the earth's surface is covered with water, of which level. The following will show the mate the amount of space this best estimates on the subject: Square Miles. Total area of the earth's surface..... 196,971,984 The great oceans are estimated as follows: Atlantic....24,536,000 Pacific.....50,309,000 Indian.....17,084,000 Arctic..... 4,781,000 Mount Everest raises its peak Southern ... 30,592,000 current sluggish and their analogy 29,002 feet above the sea level. or a total area of 127,302,000 Bible says. But we know the win-

This will show that about twocourse, the rivers that flowed south feet, 4 inches above the top of the thirds of the earth's surface is sea flowed down hill. Water flows highest mountains and fell there in and the rest of it, with a few exdown hill very rapidly, but it flows 40 days and 40 nights, or in 960 ceptions, such as the Dead Sea and the Desert of Sahara, is more or

Taking this for our guide and to fall in a single day. A allowing that $\frac{1}{2}$ of the space above It was two hundred days' jour- rain fall of 9 inches in one week sea level is occupied by the mounney from north to south and three caused a most disastrous flood in tains, etc., we will be obliged to dehundred days' journey from east to the Mississippi valley, overflowing duct 1-6 from the total amount of west. It was bounded on all sides the lowlands and causing damage water that fell, which will leave by a chain of mountains, which to the extent of millions of dollars. us the enormous amount of 1,006,-

This amount of water would the weather bureaus of the United have to fall, to do as the Bible Thus it became a very easy mat- States and foreign countries, is 36 says was done. Then remember ter to "separate the waters that inches. That is, if all the rain that that it does not allow for one sinwere below the firmament from falls on earth during a single year gle drop being lost by any process those which were above the firma- was to remain on the surface and whatever. It supposes that every ment" (Gen. i. 7). It was also easy there was no loss from evapora- drop stayed on the surface of the for the flood to come, as all that tion, or other causes, it would cover earth. Everyone knows this would was necessary was to "open the the ground to a depth of but 36 be impossible and that millions of cubic miles would soak into the If Mount Hercules is what Cap- earth. It would be impossible to

> Where did this water come from? The atmosphere at the level of the moisture without precipitation.

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"And the rain was upon the earth forty days and forty nights.

"And the waters prevailed exceedingly upon the earth, and all the high hills that were under the whole heaven were covered.

"Fifteen cubits upward did the waters prevail and the mountains were covered."

Here, in a nutshell, is the plot for our story of the flood. There is no use going over the old quibble of what the writer meant or what he did not mean. The facts are definitely stated and we must be consistent and follow them. According to my orthodox brother, I must accept it as gospel truth or be condemned.

But nature either blessed or cursed me. The great productive force through which I was brought into being, endowed me with thought and for years, in fact, as far back as I can remember, I wanted to know where that water came from.

The ancients believed the world to be flat, or practically so; it sloped from the north to the south. Their evidence was, the rivers flowing south had a rather swift current. The Nile, the single great exception in their country, flowed north. Its fall is very slight, the

We talk about rains and cloud bursts in this age, but they are mere sprinkles, the worst of them, compared with this rain of biblical times.

There is some question concerning which is the highest mountain in the world. Captain Lawson claims that he found a mountain, that he called Mount Hercules, that had an altitude of 32,763 feet above sea level. The existence of less than one-third is above sea this mountain is denied by some, among them being members of the Royal Geographical Society of England. As we are giving every possible benefit of the doubt to these stories, we will take the highest peak we know of, the existence of which is unquestioned, and use that in our calculations.

higher than the rain clouds.

At the sea level one cubic inch of vapor. If this water existed in the form of vapor, it would have filled a space of 1,701,595,227,400 cubic miles, provided the atmosphere continued the same density and capacity for holding moisture. But we know that as we go up, the atmosphere becomes less dense and its capacity to hold moisture is decreased in proportion.

At an altitude of 10,000 feet, the atmosphere is so rare that many people suffer greatly. At points one mile above sea level it is difficult to walk up hill, and at points from 10,000 to 12,000 feet high it is difficult, if not impossible, to boil potatoes, beans or even eggs. The water boils, or changes into a vapor, at so low a temperature that sufficient heat is not generated to cook them.

It is therefore impossible to estiwater would occupy when changed into a vapor, but it would make a solid cloud reaching above the limits of the atmosphere a distance of many thousands of miles. No light could possibly penetrate it.

The "windows of Heaven were opened" and the "fountains of the great deep were broken up," the