

fantastic **ADVENTURES**

TRADE MARK REGISTERED

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Front cover painting by H. W. McCauley, illustrating a scene from "Genie of Bagdad." Back cover painting by Malcolm Smith, depicting "Warriors of Other Worlds." Illustrations by Robert Fuqua; Magarian; Rod Ruth; Robert Gibson Jones; Julian S. Krupa

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WARRIORS OF OTHER WORLDS

By MORRIS J. STEELE

Uranus, a giant world of eternal cold, is perhaps the most savage world in all the solar system. A warrior of this planet would be equally savage . . .

(See Back Cover.)

ALTHOUGH science knows very little about the planet Uranus from which we can deduce what a fighting man of that planet might be like, we can construct a fairly logical image.

First, he is huge. Uranus has a mass 14.7 times as great as that of Earth. A man of Earth, placed on Uranus, would weigh approximately 2540 pounds (assuming the Earthman to weigh 170 pounds on Earth). The man of Uranus, bulking twice as large as the Earthman, would possibly weigh as much as $2\frac{1}{2}$ tons. Obviously, therefore, he must be very strong. He could pick up an ordinary anti-tank gun and hurl it a hundred feet away.

Next, he wears no clothes, but is protected from the intense cold of his world by a heavy coat of fur which makes him very shaggy in appearance. Uranus lies 19.19 times the distance of Earth from the sun from the sun. Thus, it gets very little heat from that body. An Earthman, going to Uranus to battle this warrior, would require equipment and clothing to combat the cold. The Uranian would possess a flowing moustache to protect his lips and nostrils from the cold. The Earthman would require a space helmet. The Uranian would also possess a wind-breaking formation of hair on his head and about his ears which would allow him to hear, but keep out the direct blasts of the icy wind.

The eyes of our Uranian warrior are slitted like the cat's. The reason for this is Uranus' distance from the sun. The solar orb would appear only as a point of light, but one of such dazzling brilliancy that its illuminating power would be as great as that of 3000 full moons seen from the Earth. Atmospheric clouds might cut this down further, and the Uranian would need eyes accustomed to seeing in an almost perpetually gloomy half-night. They would possess great powers of pupil expansion and contraction to gather in all available light or to exclude it when too brilliant.

The density of Uranus is less than one fourth that of Earth, or 1.27 times that of water. Thus, the warrior of Uranus would find that most of his world was water, with little land area. But because of the extreme cold, much of this water would be perpetual ice, and huge continents of ice might exist which never melt.

He would be equipped with large splay feet

to enable him to walk on deep snow, which would be packed to ice by the tremendous weight of his body. If he hadn't such feet, he would sink to his hips at every step, and would be helpless.

However, he would be more agile than an invading Earthman, no matter what his own agility, because of the impossibility of an Earthman to move about under a weight of more than a ton.

Thus, it is a foregone conclusion that the Earthman is equipped with some scientific gadget which counteracts gravity, and lightens him so that he can move about on this giant world. If he possessed no such apparatus, he would not dare venture onto this world. The very weight of his body would suffocate him.

The Uranian would possess the most powerful set of lungs in the whole solar system, because of the tremendous weight of the atmosphere that surrounds his world. Uranus is mostly a gaseous world, and the effect would be that of living at the bottom of a deep lake, and breathing water. With this dense atmosphere, the Uranian possesses a lung development which is greatly more muscular and constructed on entirely different principles than that of Earthmen.

Intelligence would be of a minor nature, and this warrior would possess no super-scientific weapons. Our Earthmen invaders, armed with ray guns, would find him fairly easy prey, armed as he is with only stones and clubs, or his bare fists, or perhaps a crude stone knife. However, because of the bestial nervous system, he might be very dangerous to face because of the real problem of killing him short of blasting him with high explosives. He would undoubtedly keep on coming under terrific punishment for an almost unbelievable period of time.

Therefore, it is not wise to allow this fighter to come to close quarters, because a detachment of scientifically armed Earthmen might easily be snashed even by the death throes of a savage monster who has had little time to realize that he should, by Earthian standards, be dead!

It is possible, too, that the Uranian would have no heart, and no circulatory system as we know it. It would be impractical on this giant planet. He might have a series of hearts working in unison, just as batteries are connected in series. Thus, striking one heart would not be necessarily instantly fatal. This Uranian fighter is a tough, dangerous customer!



WARRIORS OF OTHER WORLDS

This fighting man of Uranus is a primitive, fur-covered giant. His weapons are mainly his hands, or crude clubs and stones. He is tremendously powerful. (See page 208.)