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FOREIGN TECHNOLOGY DIV WRIGHT-PATTERSON AFB OH
EAST IS RED NUMBER 1 A MANMADE EARTH SATELLITE. (U)
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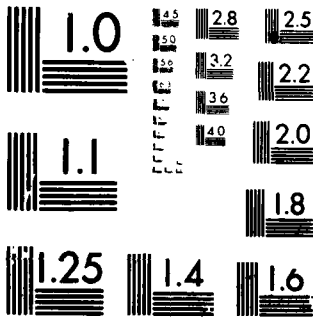
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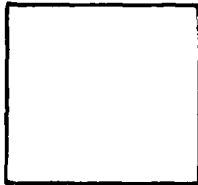


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"EAST IS RED NO. 1"
A MANMADE EARTH SATELLITE



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WP-AFB, OHIO.

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Date 1 June 19 79

"East Is Red No.1"

A manmade earth satellite

Readers can see the colourful picture in the cover page of this issue of our journal. That is the real picture of "East Is Red No.1", the first China made earth satellite. Here we make a brief description of it.

Our great leader Chairman Mao once issued a call, "We too want to make manmade satellite", and the call was fulfilled on the first spring day of the 1970's. On April 24, 1970, China successfully launched her first man-made earth satellite, "East Is Red No.1". The success in the launching marks that science and technology in China have reached a new level and it is a good beginning of developing space technology in China.

The weight of "East Is Red No.1" is 173 kilograms. Its shape is a spheric polyhedron and it is equipped with four whip antenna, each of which is three-metre long. The shell of the satellite is made of aluminium alloy and its inside is divided into a master instruments cabin and an auxiliary cabin. In the cabin there are instruments which include one music loudspeaker to broadcast the song of "East Is Red" and others are used for remote survey, tracking and power source. The satellites rotates around the axial line steadily.

Of the satellite orbit, the nearest point to the earth is 439 kilometres and the farthest point from the earth is 2,384 kilometres. The

angle between orbital plane and equatorial plane is 68.5° . It takes 114 minutes to make one cycling around the earth.

During the process of cycling around the earth, from the satellite, the heroic and solemn song of "East Is Red" is broadcast all over the world by using a frequency of 20.009 megacycle.

(courtesy of China Aeronautics Society)

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