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F010/F004

STEP
AUTHOR: None given
TITLE: Suspension of particles in space — everlasting springtime for mankind
PERIODICAL: K'o Hsieh Hua Pao, no. 2, 1960, 43

TEXT: The young Soviet scientist (Ch'i-lien-k'o-fu) recently proposed a plan for alteration of the climate and illumination of the earth at night. He suggested that a particle ring made up of opaque white particles be installed in space which would serve as a mirror for the reflection of solar energy to earth. He pointed out that it would be best to have the particle ring located in the same plane as the axis of the earth. In this manner most parts of the earth would be able to have light all the year round. A particle ring with a width of 100 km and revolving 1000-1500 km above the earth would provide 30-200 lumens for the earth and would last several hundred years. To change night into day a total of 500,000 tons of particles would be required. To

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Suspension of particles in space ...

change the climate 2,400,000 tons of particles would be required. Transportation of such heavy weight will require powerful cosmic rockets and alteration of the climate will require close cooperation among the countries of the world.

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