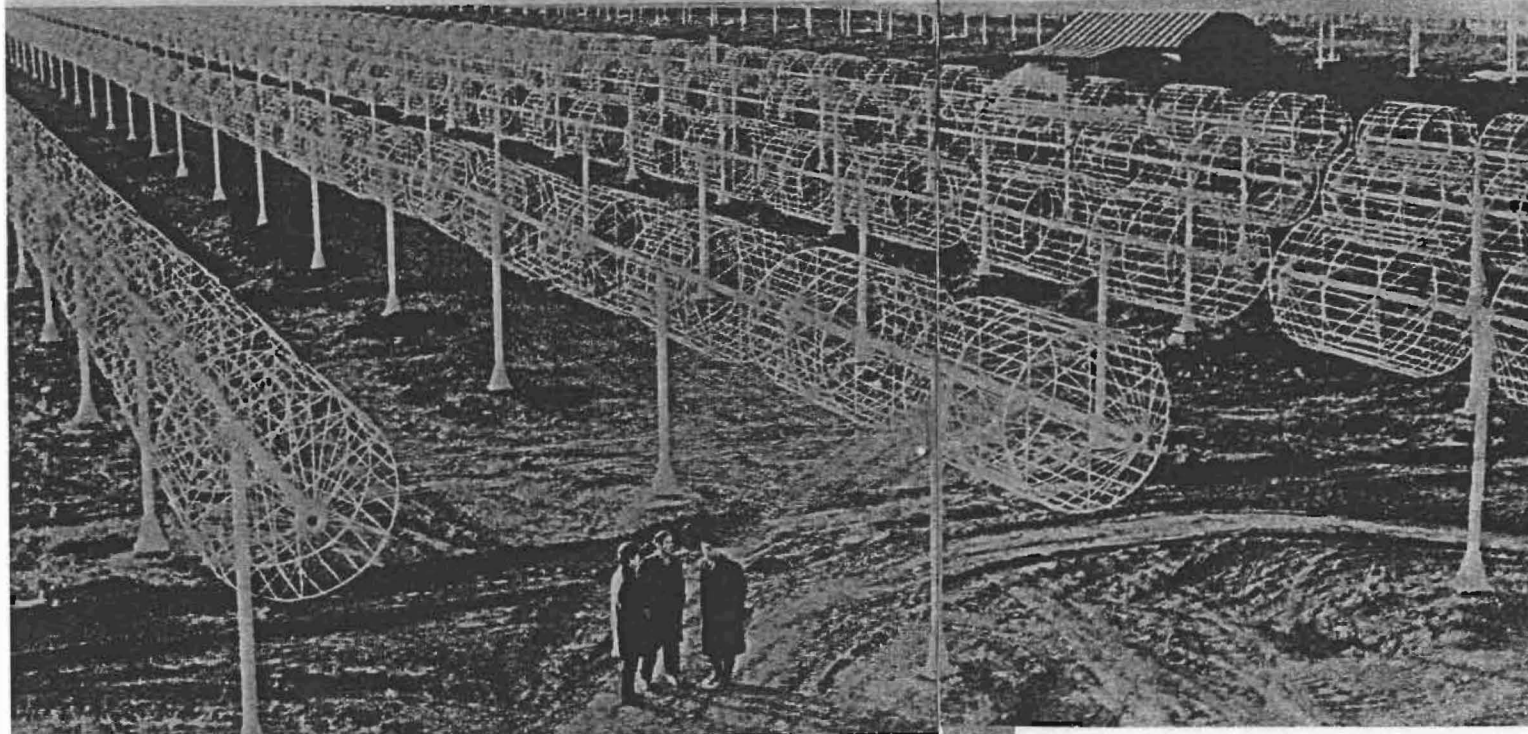


BELOW: Part of the world's biggest radio-telescope, now being built.



↓ *Forty acre telescope . . .*

★ **TELESCOPES** used to be simple instruments, once. Just a tube and an eyepiece. But not any longer. Radio telescopes changed all that.

You don't look through the ends of the rods.

The posts, rails, and rolls of wire you see below and on the left are components of a new T-shaped radio 'scope that will cover an area of about 40 acres.

The telescope, the world's largest, is being built at the Kharkov observatory in the Ukraine. It was designed by Ukrainian scientists, and it will be capable of detecting cosmic signals from sources 1000 million light years away from earth.

Australian scientists, a few years ago, made the major break-through in radio astronomy. Their work opened up this new field in space study.