

People living in the small opal mining town of Coober Pedy, midway between Adelaide and Alice Springs, soon will drink fresh water from one of the

Water Supply Department, apart. based on a CSIRO design. The

from a nearby bore to fresh black polythene sheeting water at an average rate of and a simple glass roof over 3,500 gallons a day, rising the structure, to 6,500 gallons in hot Salt water weather.

Coober Pedy's population, which ranges from about 250 in summer to 1,000 in winter, at present depends for fresh water on a half million gallon surface tank, which is often empty because local rainfall is only five inches a year.

Even when the tank has water there is no reticulation and residents have to buy water and carry it away in drums. When the tank is dry they buy water brought 100 miles by road at great expense.

The still will cover an area of 75,000 square feet and is

based on a CSIRO prototype 4,500 feet square which has been operating successfully for two years near Northam, in Western Australia.

The still consists of a number of long shallow

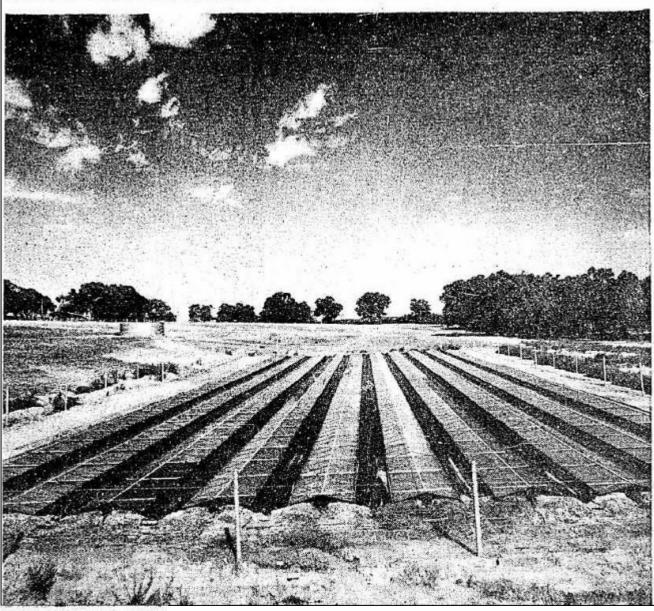
world's largest solar distillation plants. The plant, called a solar number of long shallow still, is to be built this year pans, each running between by the South Australian two parallel troughs 31 feet

These are formed by It will convert salt water covering metal frames with

> Salt water fed into the pans is heated by solar energy absorbed by the black polythene and some of it converts into vapour, which then condenses on the underside of the glass roof and trickles through side troughs into a storage tank.

> The process is continuous and the unit requires no maintenance.

Canberra Times (ACT : 1926 - 1995), Wednesday 1 June 1966, page 16 (2)



The prototype of a solar still to be installed this year in the little opal mining town of Coober Pedy in South Australia to supply water to the township.