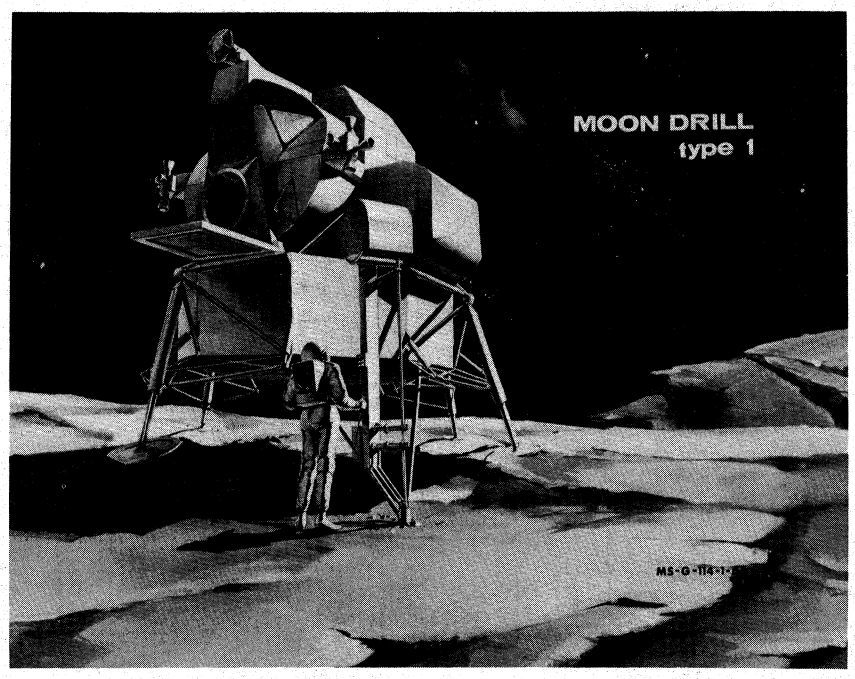
can run at elevated temperatures these radiators can simply radiate the extra heat away.

The batteries may be recharged after each surface trip by the LM shelter power supply system. It may be of interest that our work in this area has benefited from the electric automobile efforts which you have all heard about. I would think that the automotive activity in this field has likewise benefited from our work on the lunar jeep.

One interesting aspect of such lunar surface transportation vehicles is that due to the lack of the atmosphere, radio communications is possible only by line of sight—in other words one can radio only as long as he can see the other party. It may be feasible to maintain a degree of radio contact after line-of-sight connection has been lost by bouncing the radio waves off mountain walls. But a more reliable way of maintaining radio communication between two distant points on the Moon will be to use the service and command module in orbit around the Moon as a relay, or perhaps even a communications satellite orbiting the Earth.

Another thing we have been working on extensively here at Marshall is a Moon drill. Geologists are very interested in drilling holes and recovering complete cores from the lunar ground. A core drill means the drill doesn't cut everything up into little chips, but rather cuts a ring around the material and then lifts an entire, intact core to surface which represents geological stratification down to a depth of 10, 30, or 100 feet.



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