

Preliminary L.A.S. work statement for May 1961-1963.

R.H.E.

1. Test and improve environmental maintenance equipment. *Algal gas exchangers, gas analyzers, recording equip, deodorizers, pressure regulating equip. T° , RH, pH of algal solids, algal harvesting & processing equip.*
2. Test and improve crew habitability provisions (arrangements for sleeping, recreation, cooking, eating, toilet facilities, noise level measurement and control, etc. Emphasis should be placed on health and hygiene measures).
3. Test and improve food production methods (growth, preservation and storage).
4. Test and improve waste recovery methods and equipment. Alternate methods should be evaluated.
5. Test emergency procedures and equipment.
6. Develop work routines for use on a lunar base *(Probably should be included after Seattle operations)*
 - a) One of most important tasks on a lunar base will be exploration and chemical analysis of surrounding atmosphere and substrate. A laboratory and routine methods should be established to practice this in the lunar house simulator. It will be extremely important for a lunar base to be able to exploit water, carbon, oxygen and other possible lunar resources.

b) test communications system which would be used for communicating with the earth. Work space, heat load, possible toxicological problems, equipment maintenance, etc. will be involved.

c) As the moon's surface is almost certainly radioactive, routine methods of radiation monitoring and decontamination methods for radioactive dust should be practiced.

~~Because of the possibility of~~

The goal of the above work is to achieve the ability to ~~immediately~~ establish a lunar base in 1963 at the completion of the program.