



Equipment Required for projected  
animal experimentation using algae  
to balance a closed ecological system

To be done at 15000 - 18000 foot  
simulated altitude. (In simulator or  
one of the animal chambers.)

Algae production system  
Parts.

Cost

1. Illumination chamber  
(Made locally? or in our shop?) . . . . ?
2. Photometric population device  
(Klett-Summerson photometric . . . . approx 300<sup>00</sup>  
Colorimeter
3. Sharples centrifuge (for harvesting) approx . . . 1000<sup>00</sup>
4. Nutrient control device . . . . .  
(Make in shop) } may be combined
5. Water adding device . . . . .  
(Make in shop)
6. Automatic pH device . . . . . 275<sup>00</sup>  
Beckman pH meter Model H-2  
Cat. # 19975
7. H<sub>2</sub>O outlet from centrifuge to  
distilling or condensing apparatus  
for recovery of H<sub>2</sub>O for drinking  
cooking, etc.



## Food Preparation Devices

Dehydrator and/or sterilizer } ..... 500<sup>00</sup>  
Feeding device }

## Waste Handling Devices ..... 200<sup>00</sup>

Urine evaporator

Stool desiccator & sterilizer

Preparation of residues for  
use in algae system

Miscellaneous ..... 400<sup>00</sup>  
Glassware, lighting equipment,  
motors, tubing, etc

Total ..... \$2675<sup>00</sup>