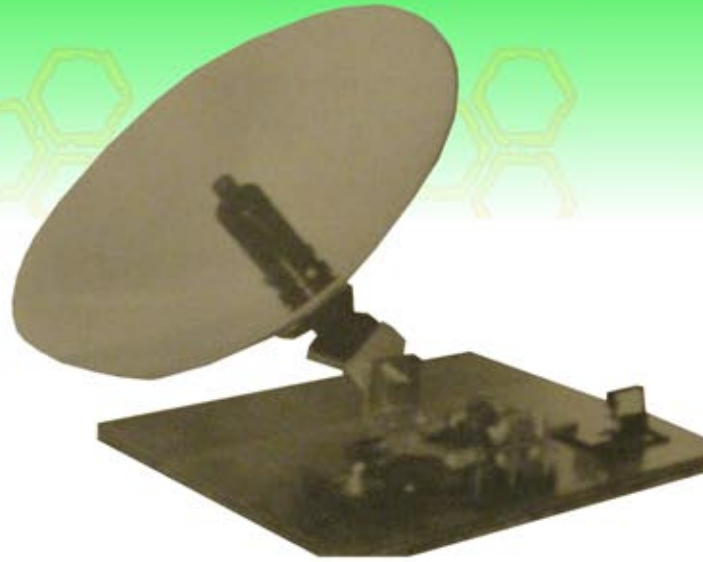


ALTERNATIVE ENERGY SERIES



Solar Stirling Engine Technology

This Stirling Engine Program is part of the study of external combustion engines. It is based on converting thermal energy to mechanical energy: For this case, the source is solar energy. Parabolic reflectors are used to focus the sun's energy into the end point of the cylinder, where gas expands and pushes the piston to do the work. During cloudy days, alcohol can be used as an external source of energy.

Equipment and Parts List:

- Sun-Runner Stirling Engine
- Transparent Stirling Engine with Generator
- Pocket of Dry Esbet Fuel Pellets
- Alcohol Lamp
- Fuel Platform
- Propane Torch Holder
- Propane Torch
- Multimeter with Leads

