

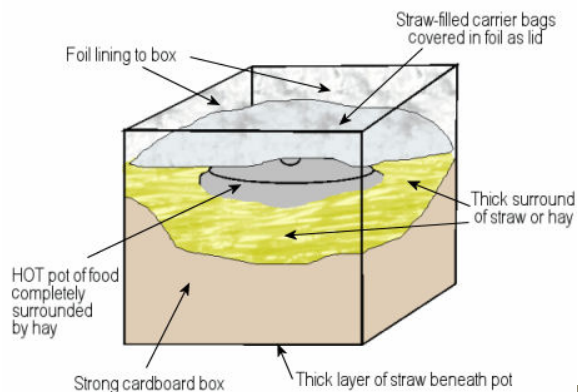
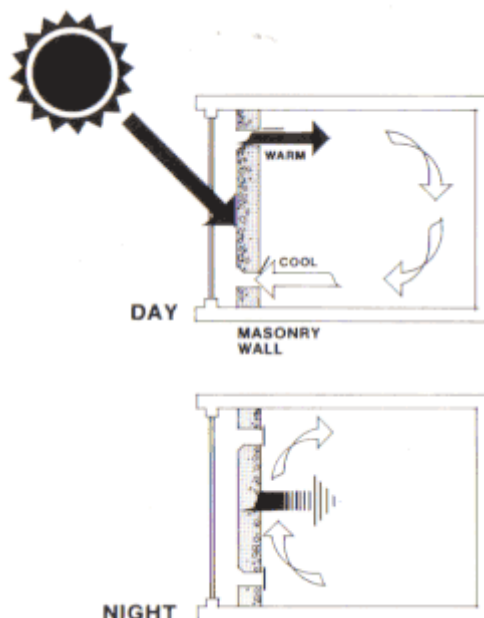
Solar Ovens and Low Tech Solar

Solar hot water systems and evaporative air conditioning are very popular in WA. Other techniques have been forgotten, excluded, or replaced for convenience such as electric clothes dryers versus a clothes line. However, none of it is really new – as Permaculture designers we should be aware of what's available though and use these technologies as appropriate.

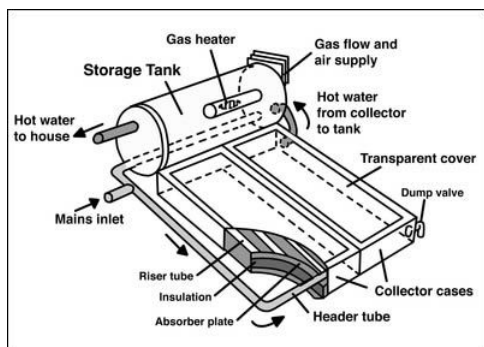
See this web site for an excellent range of build your own solar ideas:

<http://www.builditsolar.com/Projects/Cooking/cooking.htm>

- **Space Heating:** fuel efficient wood stoves, passive space heating (Trombe walls and derivatives, attached greenhouse), active systems (Sun Lizard, Solarventi, Solectair), ceiling fans. Metabolic heat from animals can also be used, e.g. combining a poultry shed with a greenhouse.
- **Cooling:** evaporative coolers, ceiling fans, earth tubes (1.5m down it's ~17 degrees fairly constant), roof-space ventilation
- **Cooking:** wood stoves, solar cookers/ovens, hayboxes



- **Hot Water:** water jacket on stoves, solar HWS (flat, evacuated tubes, photo-voltaic, coils/tubes), heat pump, from compost!



- **Lighting:** skylights, solar tubes, some as simple as the 3rd world skylight, a clear plastic softdrink bottle filled with water a hole in the tin.
- **Drying Clothes:** the clothes line, ventilated and covered area/room with racks (perhaps in combination with space heating)
- **Refrigeration & Cooling Food:** Coolgardie safe, cupboard or pantry with ventilation (chimney/stack effect)
- **Food dryers:** solar dehydrator great plan can be found here: <http://www.builditsolar.com/Projects/Cooking/cooking.htm>

For more local solar projects please head to the PermacultureWest website <http://permaculturewest.org.au/>

Or head along to a Permaculture Design Course, where all this and more is covered to knowledge and skill you up to make you own use of our free solar energy resource.

