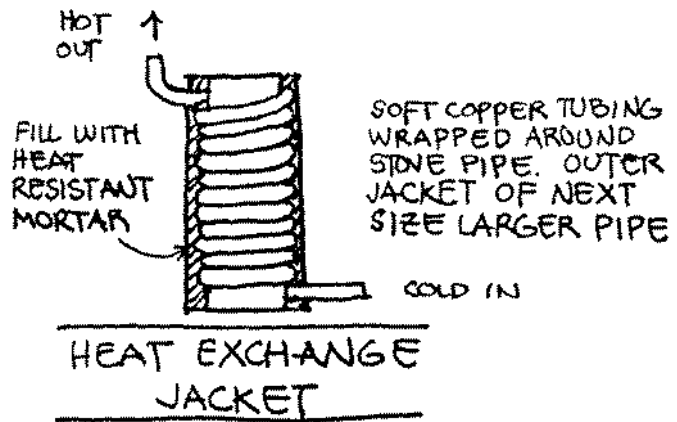
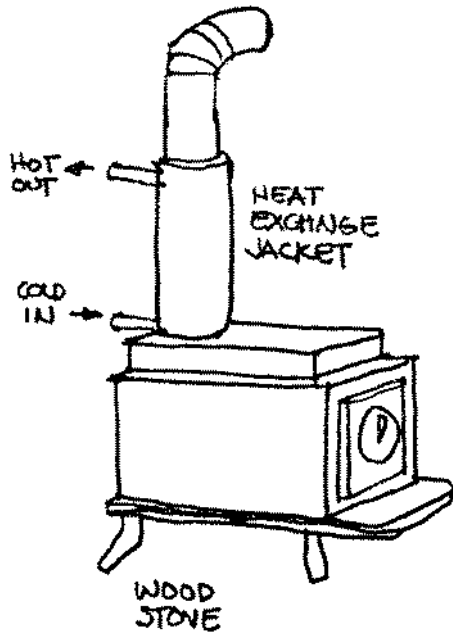


SOLAR AND WOOD HOT WATER HEATER

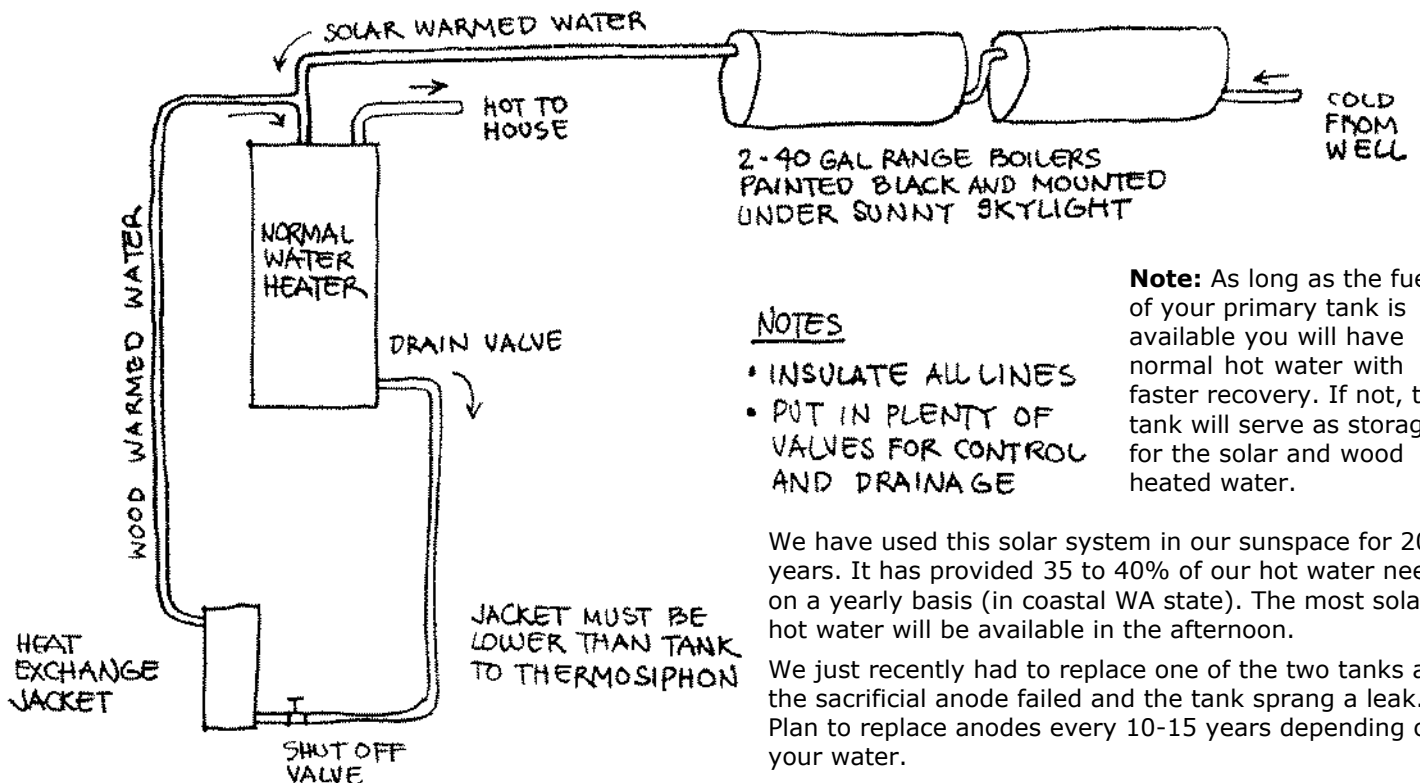
From CountryPlans.com



Here is a schematic layout for a wood and solar combination hot water system. You can use one or both as a preheater of water headed to a standard water heater tank. Make sure your tank is installed correctly with working temperature and pressure relief valves — the wood loop can boil water. Maybe even the solar side if you are in a hot climate (we get up to 120° F in WA).

Review this layout for your own situation with an experienced plumber who understands your specific layout. These ideas are presented for your determination of usefulness.

John Raabe, www.countryplans.com



Note: As long as the fuel of your primary tank is available you will have normal hot water with faster recovery. If not, the tank will serve as storage for the solar and wood heated water.

NOTES

- INSULATE ALL LINES
- PUT IN PLENTY OF VALVES FOR CONTROL AND DRAINAGE

We have used this solar system in our sunspace for 20 years. It has provided 35 to 40% of our hot water needs on a yearly basis (in coastal WA state). The most solar hot water will be available in the afternoon.

We just recently had to replace one of the two tanks as the sacrificial anode failed and the tank sprang a leak. Plan to replace anodes every 10-15 years depending on your water.