

SARASOTA, FLORIDA

Solar Workshop

LEARN HOW TO MAKE A SOLAR COOKER AND WORK ON A PHOTOVOLTAIC -THERMAL HYBRID COLLECTOR

SATURDAY AND SUNDAY 3 – 4 DECEMBER 2011 from 9 AM TO 5 PM



The Photovoltaic-Thermal Hybrid

Back in 1975, Richard Komp invented a photovoltaic-thermal hybrid collector that would produce electricity and hot water at the same time. In 1987 he installed one of these units on the home of his friend, Mike Holahan. Over the years, the system has worked well and paid for itself three times over in the savings in Mike's hot water electric bill. However, lately the corrosive Sarasota water has produced pinhole leaks in the copper tubes. We will take the Hybrid module apart and see if we can repair the problems that have developed over the decades of its use. We will also have talks on the new developments in solar.

Cost: \$70 for one day or \$120 both days

For information: Rich Komp 207-356-0225

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Making The Solar Box Cookers

Richard Komp has just gotten back from trips to Niger, west Africa and Colombia, South America where he and Nimia (the Nicaraguan in the middle of the photo above) made solar cookers. These designs were developed in Nicaragua by the Grupo Fenix. We will build a variation of this design tuned to the latitude and climate of Florida. These ovens will get to 350° F and are able to bake bread and cakes, as well as cook dishes like rice and beans and chicken stew. The oven we will build will be made with a recycled window and material that can be found at your local building supply. The workshop will include talks on solar cooking.

The cost of the workshop includes lunch

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Instructor **Richard Komp**, PhD, has researched and experimented with solar and other renewable energy technologies for 50 years. Dr. Komp is the foremost expert on backyard solar do-it-yourself projects. Dr. Komp is the author of several books including *Practical Photovoltaics, Revised 3rd Edition*, which has been called "the easiest and most complete education on photovoltaics." He is the Director/Co-founder of Skyheat Associates, www.skyheat.org, a non-profit organization dedicated to promoting public awareness and use of solar energy and energy conservation. He is President of Maine Solar Energy Association www.mainesolar.org and Sunwatt Corporation. Komp volunteers most of his time helping those with no income or electricity in third world countries become energy and economically self-sufficient. He has pioneered PV module production as a cottage industry in Maine, Nicaragua, Haiti, Peru, Mali, Rwanda, and Pakistan.