

# Learn Photovoltaic Design & Installation

Johnny Weiss

Register now for an intensive "hands-on" photovoltaic workshop beginning July 10th in Colorado. Entitled "PV Design and Installation for Practitioners", this unique five or ten day program gives participants practical information on solar powered electrical systems.

## The Course

Learn to design (1st week) and install (2nd week) stand-alone remote PV systems. The course combines classroom theory and "hands-on" skills training. No prior knowledge of solar or electricity is required.

The first week will focus upon the basics of solar electricity, appropriate applications, system hardware and how to size and specify equipment. Commercially available components will be discussed and evaluated in detail. Teaching is done with full-scale demonstration systems and laboratory exercises are taught with working components. The optional second week is devoted exclusively to "hands-on" installation training. Participants will install working systems on remote sites in the surrounding Colorado Rockies.

## Who benefits from this program?

This Workshop/Seminar is for those interested in solar electricity for their own applications or those pursuing a career in PVs. Previous trainees have included licensed electricians, solar technicians, energy efficiency professionals, PV industry trainers, researchers, entrepreneurs, and end users. Everyone from professionals to do-it-yourselfers can learn and benefit from this training. Graduates are employed in PV installation, design, sales, manufacturing, management and training. To date over 400 people have completed this program.

## Appropriate Technology Associates

Former Colorado Mountain College (CMC) instructors, Steve McCarney, Ken Olson, and Johnny Weiss are now offering their training program as Appropriate Technology Associates. ATA personnel are professional designers, installers and industrial trainers in the field of renewable energy technologies. Our ATA team has been working together continuously and full-time for the last eight years. We have been involved in such projects as remote power systems, low cost solar food dryers, solar water distillation, award winning passive solar homes, commercial scale greenhouses and construction management of multi-million dollar solar projects. Home Power readers can review the feature article about our program in HP #3.

The Home Power Crew has not been alone in acknowledging the special quality of this training. Solar Age Magazine called this program, "the nation's leading PV Design & Installation course". Mother Earth News wrote that we have, "...the well earned reputation for offering the best nuts & bolts PV instruction course in the country".

In HP #9, instructor Steve McCarney mentioned his recent PV adventures in Chile, Bolivia and Peru. He has been with the World Health Organization and others working with PV powered vaccine refrigeration and water pumping. As this issue of HP goes to press, Steve will be troubleshooting installations in the Caribbean Islands.

## So come and join us...

We are looking forward to July 10th. This year promises to be the

best summer PV workshop yet. If you are serious about learning PV design and installation, make plans to attend. Class size is limited, so register early. The cost per week is \$350. This includes our textbook and the Product Literature Supplement Guide. If your registration is postmarked & prepaid by June 15th, then the cost is \$300. If you bring a friend and share course materials, then the friend gets a \$50. discount. For more information please contact: Appropriate Technology Associates (ATA), 410 Garfield Ave., Carbondale, CO 81623 or call 303-963-2682.