

Light of LIFE

ISSUE 7, MARCH 2013



SOLAR UNDER THE SUN MAKING A DIFFERENCE ONE WATT AT A TIME

Solar School #9 Registration Open

You are cordially invited to attend Solar School #9! Held May 2-5, 2013 at beautiful Ferncliff Camp and Conference Center just outside Little Rock, Arkansas, Solar School offers two courses — Solar 1 and Solar 2. Courses are taught simultaneously to allow a team to send one person to Solar 1 and one person or more to Solar 2. Each session runs from Thursday at 10:00am (registration & lunch) to Sunday at 10:30am.

Solar 1: Leadership, Partnership Development and Surveying

This course includes:

- Exploring theology of doing mission in partnership
- Developing partnerships and organizing skills
- Trip management and Leadership
- Evaluating sites for solar projects
- Negotiating covenants
- Increasing cultural awareness

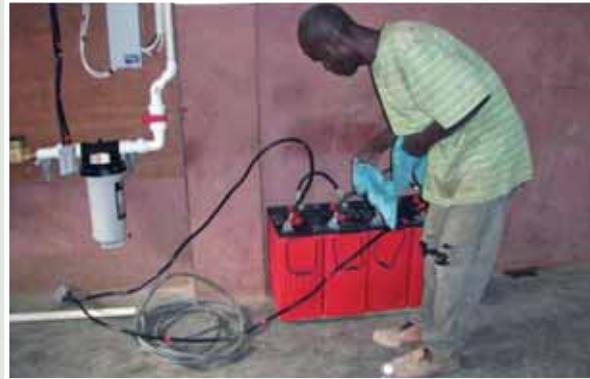
Solar 2: Installation and Equipping Partners

This course includes:

- Assembling off-grid solar energy systems
- Emphasizing systems to power clean water systems and more

See **SCHOOL**, continued on page 2

God's Little Light Bulb



▲ Operator refreshes the liquid in the batteries operating the solar powered system in Cap Haitien, Haiti.

Each day during the season of Lent, First Presbyterian Church of Pulaski, TN is posting a devotional based on their installation in Haiti. Below is an excerpt from March 11, 2013, the 22nd Day of Lent:

... Don't you know that the Lord is the everlasting God, the Creator of all the earth? He never grows faint or weary. No one can measure the depth of his understanding. He gives power to those who are tired and worn out: he offers strength to the weak. — Isaiah 40: 28-29

Here are the batteries that will run (via solar panel) the pumps to operate the purification system at the Susan Smith orphanage. The solar part of the system is almost maintenance free, requiring only cleaning the batteries over the year. Paid individuals will make regular visits

and verify that proper operation is continuing and perform ongoing training, needed system repairs, and maintenance.

Even the strongest people get tired at times, but God's power and strength never diminish. He is never too tired or too

busy to help and listen. His strength is our source of strength. When you feel life crushing you and you cannot go another step, remember that you can call upon God to renew your strength.

Isaiah describes God's power to create, his provision to sustain, and his presence to help. God is almighty and all-powerful; but even so, he cares for each of us personally. No person or thing can be compared to God. We describe God as best we can with our limited knowledge and language, but we only limit our understanding of him and his power when we compare him to what we experience on earth.

Thought for this day: If you want someone to know what Christ will do for him, let him see what Christ has done for you.

SUTS Blurbs

SUTS Stats

8 Solar Schools

163 Graduates

50+% Grads in the Field

44 SUTS Systems by June 2013

43 Systems in Haiti

1 System in Kenya

39 Systems Operate
LWW Clean Water Systems

5 Stand-Alone Solar Systems

Solar School Sessions and Registration

May 2-5, 2013 &
September 12-15, 2013

Held at Ferncliff Camp &
Conference Center,
Near Little Rock, AR

Register online at
www.solarunderthesun.org

2013 Newsletter Dates and Deadlines

We will publish newsletters
in July & November.
If you have articles or pictures
you would like to include,
please send them to
ashley@solarunderthesun.org
by the 15th of the
previous month.

Spread The Word

Twitter

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[facebook.com/
solarunderthesun](http://facebook.com/solarunderthesun)

Website

www.solarunderthesun.org

SCHOOL, continued from page 1

- Assessing electrical loads
- Learning system designs
- Practicing safety and maintenance



▲ *By this time next year, all Solar School Trainings will be held in the new Eco-Center at Ferncliff!*

Plenary Sessions include:

- Mission Strategy session
- Fund raising
- Cultural differences between countries
- Small group reflections
- Devotions

The cost for Solar School is \$485 per registrant, which includes room and board, instruction, and training manuals. Commuting registrant cost is \$375 per person.

Please register online at www.solarunderthesun.org/solar-school. Should you have questions, please call Ferncliff Camp at 501-821-3063.

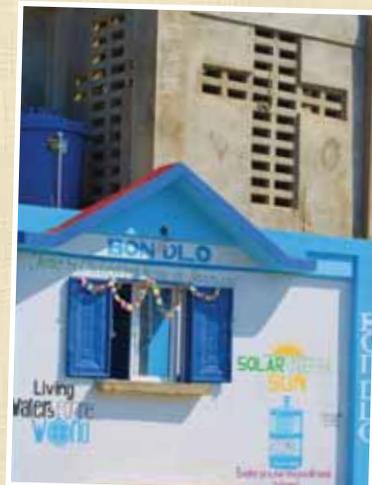
Recent SUTS Installations



◀ *Covenant Relationships are key, as seen here in Fond-Pierre, Haiti with IP Alexandria 1st Presbyterian.*



▲ *SUTS Installation #36 by Alexandria Presbyterian Church, NJ*



◀ *SUTS Installation #37 by Memorial UMC, Elizabethtown, KY*

SUTS tests a new energy-efficient clean water system

Solar Under The Sun (SUTS) received approval from the Living Waters For The World (LWW) Technology Team in March, 2013, to construct and monitor up to 5 prototypes of a new "dual-disinfection" water treatment system that uses both ozone and ultraviolet light (UV) to disinfect water. The current LWW water treatment systems are either UV-only or ozone-only.

The primary reason for using the "dual-disinfection" system is energy savings. SUTS estimates that using both kinds of disinfection in a single system will cut the

energy required to make clean water by about 1/3 compared to an ozone-only system. Ozone is currently the system of choice in Haiti because many of the Operating Partner (OP) communities we serve have come to associate "clean water" with "tasteless water" such as the commercially available water treated by reverse osmosis--and UV disinfection does not change the natural taste of the water. In contrast, these OP communities like the taste of water treated with ozone.

Based on measurements made with the previously recommended

pump (Sun Pumps SCB8), SUTS estimates that the energy used to make 300 gallons of clean water in an ozone-only system can make more than 500 gallons of clean water in a dual-disinfection system. The first installation of the new system is planned for May-June 2013 in an installation at a school in Nicholas, Haiti, with the First Presbyterian Church of Bartlesville, OK, as the Initiating Partner (IP). Participants in the 2nd "In-Country Training Trip" will assist in the installation.

Mark Tew
Solar 2 Lead Instructor

SUTS Vacation Bible School Curriculum Available

Hot of the press! Solar Under The Sun is pleased to announce the first edition of its Vacation Bible School curriculum. Acclaimed Christian Educator Dee Koza has created material designed for kindergarten through fifth grade students to consider how the Bible calls us and provides guidance in serving as God's stewards of the Earth. Through Bible study, learning centers, and mission moments, participants will learn about the role of solar power as it sustains life, gives energy, lights the earth, brings warmth and promotes growth.

The rotational model includes a gathering time, a Bible study, solar puzzles and experiments, solar crafts, snacks and solar games, and solar mission moments. While designed as a Vacation Bible School experience, educators may adapt the program to



▲ *Chris McRae & Ashley Broadhurst introduced the new curriculum at the annual Association of Presbyterian Church Educators' conference in Orlando, FL.*

Wednesday Night programs or even Sunday school.

To order online, please visit www.solarunderthesun.org/vacation-bible-school/. There, you may also download a preview of the curriculum. Cost is \$50.00, including shipping.

Share God's gift of Solar Power

From the rising of the sun to its setting, the name of the Lord is to be praised. -Psalm 113:3

I want to support Solar Under the Sun, and be a partner in bringing solar energy to people in need.

Name: _____

Address: _____

Phone: _____

Email: _____

Amount: enclosed or pledged

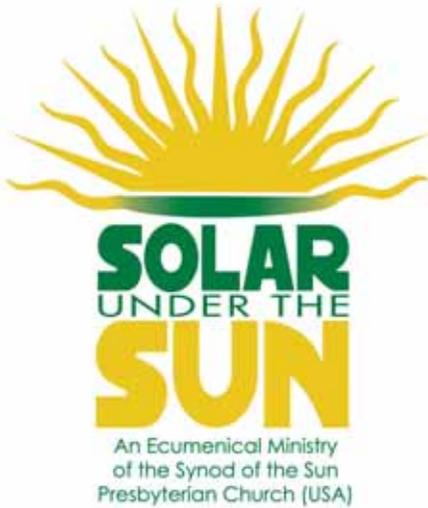
\$ _____

(Pledge to be paid by date: _____)

Given in memory of or in honor of: _____

Please send acknowledgement to: _____

Mail to: Solar Under the Sun, 6100 Colwell Blvd. Suite 200, Irving, TX 75039 or send by email to: contact@solarunderthesun.org For more information: solarunderthesun.org or 866-381-7075



Synod of the Sun
 6100 Colwell Blvd. Suite 200
 Irving, TX 75039



Scan this QR code for more information!

We thank the many Solar Under The Sun donors! Without you, this ministry would not be possible.

Individuals

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 Bob Remsburg
 Susan Rogers
 Ann Coit Sporer Smith
 Kathy Vaughn
 Michael Vinson
 Shane Whistler & Pat Felter

Churches

Children & Youth of Kendrick's Creek UMC, Kingsport, TN

First Presbyterian Church, Big Spring, TX
 First Presbyterian Church, Stillwater, OK
 First Presbyterian Church, Sugar Land, TX
 First Presbyterian Church, Texarkana, AR
 First United Presbyterian Church, Fayetteville, AR
 Grace Presbyterian Church, Plano, TX
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 Spirit of the Desert Presbyterian Fellowship
 The Presbyterian Church of Palatine, IL
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Organizations

First Presbyterian Women, Prairie Grove, AR

Palo Duro Presbytery
 Presbyterian Women's Association, Siloam Springs, AR
 Presbytery of the Pines
 Women of Palo Duro Presbytery

In Honor Of/From

Sandra Bean/David & Judy Fletcher
 Ashley Broadhurst/Jan Koerner
 Ashley Broadhurst & Chris McRae/Kendall Cox
 Ashley Broadhurst & Chris McRae/Wil Howie
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Coy Bel/Donald Putman
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