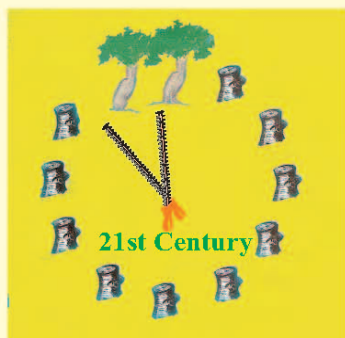




IN THIS ISSUE:

- Solar cooker -A winner.
- Progress in SWP (K)
- Fighting Smoke.....
- Soot a global concern....
- Progress in Tanzania and Ethiopia.
- Encouraging Feedback.
- And more.....



Time is running out!

UP-COMING EVENTS:

- World Environment Day, 5th June 2009
- SCOREP Training - Kadibo June 2009
- Swimming for Hamomi- Seattle - August 09
- IPDD Progress Review, Musoma, August, 2009.
- Kisumu ASK Show - August 2009
- Nairobi International Trade Fair - Sept 2009

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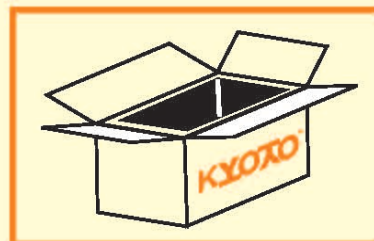
Green ideas.....Solar cooking - KYOTO box wins 75,000\$ in the just ended Climate Change Challenge competition, soot from third world stoves.....an urgent global concern. Behaviour change – safe water for rural communities in Bondo and Emuhaya, PCIA celebrates global successes and sets bold objectives, as SCI (EA) expands its services and products. These and more in this issue of SuNews.....welcome!

THE KYOTO BOX



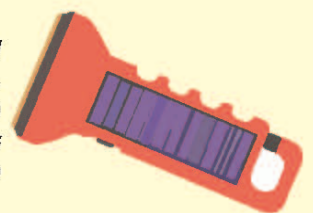
SCI EA visit Jon Bohmer inventor of the Kyoto Box

SCI Executive Director, Patrick Widner familiarizes himself with the Kyoto Box.



KYOTO FLASH

Reducing on soot in take and global warming-go green, buy a KYOTO flash light. it is handy, recharges everyday freely and gives up to 6 hours of light.



THE CHILDREN'S POT

Goldman funds through SCI – have recently enabled children to own water pots in 204 households in Bondo and Emuhaya districts of Kenya. This is a new culture as traditionally, children do not own anything maybe only their toys. This time round, the children are owning what is potentially a life saving equipment.

The water pot is part of a package that the pilot families within the Safe Water Project are getting in addition to a solar Cookit set and a Water Pasteurization Indicator (WAPI).



A beneficiary poses with his pot

It is important that the children identify with and only drink water from these specific pots as their families have been trained on solar pasteurization and the use of other methods such as boiling and water treatment chemicals when the weather is not good for solar pasteurization.

During a recent visit to the beneficiary families, it was interesting to see the pots placed carefully in corners and on table tops, and when asked; "Where is the children's pot?" The kids would run quickly to the place and

Cont.. Page 2 >>>



Mothers of the beneficiaries collect the children's pots

>>> From Page 1

touch the pot. The pots are specially designed with a tap to reduce incidences of secondary contamination.

A bonus to the beneficiaries is the fact that the solar cookit is also used to cook. Several beneficiaries recounted their new exploits of having cooked tea, rice, fish, meat, and ugali. Their only regret was that the rainy season had set in and they could not use it as often as they wished to. The SWP,



Julius explains results of a water test

has brought new excitement, knowledge and skills to the villages. Households that are not in the pilot project gather around to observe the new cooking gadget and ask many questions. In a

participatory manner, the villagers and SCI officers test the water and interpret results thus assuring all on the water quality or on the need to treat it or pasteurize it. It is hoped that by periodically testing the water sources, the beneficiary villages will be able to reduce incidences of water borne diseases and promote healthy living.



Little Yvonne serves us with water

SPREADING THE WORD



Miriam, a physically challenged social worker in Emuhaya and a beneficiary- has not only taught her neighbours, her six year old daughter Melsa Ohuyo is able to explain the whole process of using the solar cooker to pasteurize water and how to place the WAPI- to the wonder and amazement of the villagers.

INSPIRATIONAL GIFTS THAT KEEP GIVING AND LIFTING UP AFRICA!

Like the boy with two fish and 5 loaves over 2000 years ago feeding over 5,000 people, two young boys Brain Alexander Mays and Dennis – Dutton, gave Linda 200\$ hoping "it would make children in Africa have a better life" and it sure has! – Reports from Hamomi Childrens' Home keep getting better and exciting. Susie writes that Hamomis life changed forever since the January 2009 solar cooking demonstration.

The donation enabled Hamomi to purchase two solar cookits, a box cooker and two large fireless cookers and SCI experienced team was present to show how all these worked despite the less than perfect weather.

Various foods were prepared and cooked including;



Energy saving equipments for Hamomi

rice, beans, hard boiled eggs, vegetable stew, an omelet, and even a cake. The beans had been pre-soaked as requested and two large pots one of beans and the other of rice were precooked then transferred to the fireless cookers. Then it was time to teach about the solar cookers, water pasteurization and testing... all this while the foods were cooking smokeless and almost effortlessly.

Soon it was lunch time and all the foods were ready, everyone wanted to taste

and some got a little sample while the bulk went on to feed the Hamomi children.

The equipment acquired and this fast meal in January has had a domino effect on the feeding program in Hamomi, here are a few remarks:

"Since Hamomi received its solar cooking equipment, they're using only a single sack of charcoal per month instead of 5--an 80% decrease in charcoal consumption. Each sack of charcoal costs \$10 (US), so they are saving \$40 per month on charcoal expense. For a \$200 investment, the solar cooking equipment will pay for itself within the first 5 months of use."

Thanks to these savings and increased donations, Hamomi has been able to stretch its budget and expand the feeding program

to 6 days a week. This encourages the kids to come and study on Saturdays, school attendance is near perfect, and they now have a much steadier stream of volunteer teachers who at least get paid in meals.

"The solar cookers just made us bolder...pushed us to take risks that we'd grown a bit weary of taking, and these leaps over dangerous crevasses have led us to much higher, firmer ground," Susie concluded.



Enjoying solar lunch!

KHULI WESTERN.....KAKAMEGA.



"Mmmmm, Senje ati unasemako ati jua inawezako kupika ubhusuma nende ingokho?" Auntie are you alleging that the sun can cook ugali and chicken? "Oh yes, just stick around and you will taste your very first chicken and ugali cooked naturally with the sun!" This was in July of 2008 when Simon Ogutu, John Amayo and Faustine Odaba went to western province for a week of sensitization on the potential of the sun to cook and pasteurize drinking water.

The enthusiasm was so great that the famous boda boda (bicycle transporters) led the Solar Cookers truck in a convoy as they moved from town to town. Their visibility was enhanced by radio Mulembe who kept the people informed of where the next cooking demonstration would be. Being a sunny period, all the foods cooked were usually eaten up leaving the officers with nothing! During the demonstrations people kept on asking: "Where have you been all this time?"

You mean the sun can cook and bake? "No, I have to taste to believe! Well where can I find you if I want to buy one?" The new sensation was in town and the enthusiasm had to be responded to and maintained as word now went out about a new way to cook food without smoke! SCI – EA, responded to this by scaling up its Sunny Solutions project in Nyanza to cover western province as well.

In December of 2008, two officers, Simon Ogutu and Julius Otieno moved to establish the Sunny Solutions office in Kakamega town, western province. The office is next to Jamia Mosque, Kakamega



**ED and Simon Ogutu
SCI Project Officer, Western**

In a few short months, the officers have given demonstrations and talks in 10 out of the 19 districts, in addition to Kitale in Rift Valley province at the invitation of SCC – VI Agroforestry. They have also established contacts and networks with NGOs and CBOs including GTZ, GOK – Ministry of

Agriculture – Home Economics department, Environmental Management Authority (NEMA) - Western Province through their Provincial Director (Mr. John Baraza) who has bought cookits and promised to give the necessary support in spreading this new concept.

Other organizations and institutions include Abashiele Nende Ababukha Support Services (ANNAS) and Masinde Muliro University of Science and Technology(MMUST) through the Students In Free Enterprise (SIFE) members who enjoyed Solar cooked foods in their campus on a sunny Saturday awaiting mid semester assessment tests.

Meanwhile, 9 businesses would like to stock solar and other energy saving cooking technologies. Additionally, there are 100 households in Emuhaya who are beneficiaries to the Safe Water Project.

Recently a donor **Solar Health Education Project (SHEP)** through Alison Hyde and Alison Curtis, donated \$1,500 for a training to Cross Roads School in Hamisi district where 65 parents benefitted. A further 35 from Daisy Children's Home are set to benefit from further \$1000 gift from SHEP in May 2009.

Contacts:

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Caroline Okoit -0729085787

MUNYENYOIN EASTERN PROVINCE

Munyenyo... .. a Kamba word for " first steps" aptly describes SCI's progress in Eastern province, Kenya. SCI (EA) is moving around and reaching out to many other areas of Kenya. While keeping a presence in Kajiado, we have moved to Machakos to enable us serve the south east, eastern and even the coastal areas of the country.

Since moving to the region, several organizations have benefited from talks and demonstrations: Christian Children's Fund, Compassion International, INADES, while Mbaitu FM has supported us through JohnMark Nzomo who aired a program and connected us to many people in the region.



**A demonstration to
Compassion International**



**Oloika Women Group
with gifts from Lift Up
Africa**

Meanwhile we are still working with the communities of Kajiado, Mrs Lannoi Parmuat, who is an anti FGM crusader and member of the Free Pentecostal Fellowship of Kenya in Kajiado invited us to Oloontulugun village 30 kilometers way from Kajiado town. We begun by setting the foods to cook, as the foods cooked she went on to teach about the negative health impacts of Female Genital Mutilation (FGM), Stella SCI's Project Assistant taught about the benefits of Solar cooking. Since the day was very bright, by 1 P.M. all the foods were cooked and sampled.

Forging on, Lift Up Africa, once again gave gifts to

Oloika Women's group Kajiado, complementing their efforts to buy for each member a solar cookit and a fireless cooker. The gift enabled all the 17 members to own a complete solar cooking kit, a fireless cooker and beads to boost their ornament making to generate income.

Previously only 7 members had complete kits. Thank you Lift Up Africa, thank you Linda.

Please contact us at:

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stellaodaba@yahoo.com**

Susan Kitavi-0720141244

**Monica Flats - No.7,
Eastleigh Estate,
Machakos Town.**

Kathleen Harrison

I'm head of a small nonprofit working in Kenya: Project HARAMBEE, (www.projectharambee.org)

"Some time ago you were kind enough to send jpeg photos for us to use on gift cards we designed to solicit donations for solar cookers in Africa. People in my outreach area around Chicago, Illinois and other areas of the U.S. are very enthusiastic about this project and we easily reached our goal of funding for 200 cookers.

I've just returned home to the U.S. from Kenya, where

I worked (for the second time) with Faustine Lutta Odaba, your Field Training Officer in Nairobi. She has now conducted two training workshops for us at Upendo Village up in Naivasha and distributed a total of about 80 of the individual cookers. We are anticipating another workshop and purchasing more cookers for Upendo Village and for our other worksites around Kenya--particularly at the camps for persons displaced by the great political upheavals of early 2008. And we have expanded our work now into Rwanda and hope to introduce solar cooking at our project there as well.

Needless to say, having your solar cooker store right in Nairobi is greatly convenient. Having Faustine as a solar cooker advocate and trainer is altogether wonderful. She is highly skilled as a teacher and problem solver and I look forward to continuing to work with her in the future.

Her enthusiasm and willingness to "go the extra mile" have made my job very easy. I am trying to think of other good things to say about her--she deserves much praise!

As you know, tradition is very important in Kenya and solar cooking is a radical departure from the practice

of gathering and burning firewood. Faustine is a master at demonstrating the superior virtues of a solar stove and converts even the most skeptical who attend the workshops. I'm eager to support your program in any way I can with good "PR." Please let me know how best to do that, and please do forward my comments to Faustine's supervisor in Nairobi--she deserves much credit.

You are doing a wonderful service. I look forward to a long relationship with Solar Cookers International."

We are grateful for the encouragement - SCI EA

Photo Galore



Meeting at the new Kisumu Office.



RD- Giving a cookit set to a representative from Gulu, Kampala

A Visit to Kakamega Office



Brenda, John and Vincent enjoy a solar brownie



Awareness raising in Oloontulugun -Kajiado

Making Fireless Cookers, Indore, India.



RD, Poses with trainers and owners of Barli institute, Indore, India



The Cookit Kigali - Rwanda



Stove test-- PCIA- Kampala



Cookit assembly- PISDA- Ethiopia

photo
galore



Beneficiaries of the Safe Water Project

Cooking Chapatis with the SUN!



SCI(EA) Team - at PCIA - Kampala

KED KOD IRO – FIGHT SMOKE! USEPA Sponsored Project



FIGHT SMOKE! This is the message that the people of Kadibo division of Nyando district are hearing. It is on radio, in street theatre, in market demonstrations of clean cooking technologies, in popular traditional songs, on t-shirts, on info flyers and on calendars hanging in their living rooms! The message is clear, smoke is dangerous to your health - fight / eliminate or reduce your exposure to it.

In -door air smoke especially

from cooking fires is said to kill 1.6 million women and children annually.

This number is growing rather than reducing as poor families go further down the energy ladder and use cow – dung and other biomass residues in inappropriate technologies.

Solar Cookers International (EA) in partnership with USEPA (US Environment Protection Agency),

together with Practical Action (E.A) are implementing a project in which 3000 households are set to benefit from clean cooking technologies. These include: solar cookers, fireless cookers, rocket stoves, *upes*i stoves, KCJ, gas stoves, use of chimneys and ventilation in the cooking area and even solar lights.

This menu of technologies are on sale in Rabuor

market and will soon be available in 12 other fixed sales points within the division while there are 12 trained energy entrepreneurs and business agents who have taken charge of the 8 locations.

These agents are promoting and selling the technologies within the community.

They can be reached through the following cell phone numbers:

KADIBO DIVISION - 8 LOCATIONS

KANYAGWAL LOCATION LEONIDA BODO 0721 267319	KAWINO NORTH LOCATION MAURINE OMONDI 0724 418084	KOMBURA LOCATION BEATRICE AWUOR 0728711685	EAST KOCHIENG' MARGARET ODHIAMBO 0713 758607
BWANDA LOCATION MILLICENT ADUKE 0733 502483	KAWINO SOUTH LOCATION LEAH ACHIENG' 0725 643867	KATHO LOCATION SELLESA KWOGO 0729 087484	WEST KOCHIENG' FRED KITOTO 0727 533908
JOHN AMAYO PROJECT OFFICER (SCI) 0720 450727 / 0733 756568		HELLEN OWALLA PRACTICAL ACTION 0727 108408	

FACTS: SOOT FROM STOVES ... A GLOBAL CONCERN!!

"....Soot — also known as black carbon — from tens of thousands of villages in developing countries is emerging as a major and previously unappreciated source of global climate change.

While carbon dioxide may be the No. 1 contributor to rising global temperatures, scientists say, black carbon has emerged as an important No. 2, with recent studies estimating that it is responsible for 18 percent of the planet's warming, compared with 40 percent for carbon dioxide. Decreasing black carbon emissions would be a relatively cheap way to

significantly rein in global warming — especially in the short term, climate experts say. Replacing primitive cooking stoves with modern versions that emit far less soot could provide a much-needed stopgap, while nations struggle with the more difficult task of enacting programs and developing technologies to curb carbon dioxide emissions from fossil fuels. In fact, reducing black carbon is one of a number of relatively quick and simple climate fixes using existing technologies — often called "low hanging fruit" — that scientists say should be plucked immediately to avert the worst projected

consequences of global warming. Better still, decreasing soot could have a rapid effect. Unlike carbon dioxide, which lingers in the atmosphere for years, soot stays there for a few weeks. Converting to low-soot cookstoves would remove the warming effects of black carbon quickly. In Asia and Africa, cookstoves produce the bulk of black carbon, although it also emanates from diesel engines and coal plants there.

SOME CONSEQUENCES:

- Melting glaciers
- Severe flooding in mountain communities
- Glacier rivers running dry

- Conflicts over resources.
- Devastating health effects in poor countries.

The combination of health and environmental benefits means that reducing soot provides a "very big bang for your buck," said Erika Rosenthal, a senior lawyer at Earth Justice, a Washington organization. **"Now it's in everybody's self-interest to deal with things like cookstoves — not just because hundreds of thousands of women and children far away are dying prematurely."**

**Excerpts from
New York Times - April 09**

ETHIOPIA SEEKS ALTERNATIVES – TURNS TO SOLAR

In March 2009, a workshop was held at the University of Addis Ababa, sponsored by the Royal Netherlands Embassy. The overall objective of the workshop was the promotion and use of integrated sustainable cooking technologies. The workshop brought key actors together and discussed the challenges and opportunities of alternative technologies in integrated sustainable cooking in the horn of Africa. These included a ray of technologies but of significance was the emphasis on solar cookers.

Key speakers included:
Clara Thomas of the Solar

Cooking Netherlands, Margaret Owino of SCI (EA) and Mrs. Janny Poley, 1st Secretary Environment, Water and Energy, Royal Netherlands Embassy in Ethiopia.



**Cookit production unit
PISDA**

In attendance were several NGOs, researchers, villagers as well as representatives of special groups – the blind.

One NGO, PISDA was way ahead in the move towards promoting solar cooking using the solar cookit. They had set up a solar cookit production and promotion facility, where several women were employed, they also undertook the promotion of the technology to the community.

GTZ - Ethiopia, who have had a great success with the MIRT stove stated that they were trying out 60 Cookits and would then give their recommendations.

Ato Bereket Dessie an energy entrepreneur is already supplying solar cookits, his only set back is a reliable source of reflective aluminum foil paper.....these can be sourced from Kenya with the assistance of TETRA PAK (K).



A user at home

GLOBAL RESOURCE ALLIANCE AND CATHOLIC DIOCESE MARA PIONEER SOLAR COOKING IN MUSOMA – TANZANIA.

Tara Blasco writes.....

For several years, we have been searching for a sustainable method of cooking food and boiling water for the families in the Lake Victoria region. Using wood or charcoal for stoves is unsustainable for both the local economy and the environment. Often families need to spend a big part of their monthly income buying fuel.

At GRA, we have explored alternative sources of fuel for cooking, mainly biogas, jatropha oil and efficient wood stoves. Each one of these presents challenges of being either complicated, expensive or difficult to implement.

During our trip to Musoma, Tanzania in October 2008, we learned of some people in town using Solar Cooking with good results. We met brother Sergio, from the Catholic Dioceses, and he was very excited about this approach. We decided to partner and organize a workshop in Musoma.

We contacted Solar Cookers International's East Africa Office, and they responded very positively to our suggestion to come and teach the local community. In a couple of weeks we were able



to organize the first Solar Cookers class with more than 30 participants who were selected among the top leaders and enthusiasts in their communities.

Solar cooking is very simple and inexpensive. It requires sun and time, two commodities abundant in the Tropics. During the training we learned how to solar cook almost any kind of food, as well as how to "pasteurize" water, which involves bringing the water to a temperature that kills germs and makes it safe to drink. We also learned how to build our own solar cooking kits. Everyone built a solar cooker and was able to purchase it at a subsidized price, and start cooking at home.

In January 2009, GRA and Solar Cookers International (SCI) co-sponsored, in collaboration with SCI East Africa and brother Sergio, a training for trainers that lasted 5 days and expanded our knowledge on the subject. We learned other skills like how to test the quality of water with simple testing kits, and how to make fireless cookers (or hay baskets) that can keep the food warm for many hours after solar cooked, or even complete the cooking process once started in the solar cookers.

Again we had about 30 participants, many of them repeaters. Everybody got their certification and is ready to start teaching others in their communities. Some of them have started to do so, and solar cooking is becoming more popular in the area.

At GRA, we decided to do our part in promoting solar cooking in Musoma and it's surrounding villages, and have been purchasing the raw materials from S.C. I. East Africa and selling them at our cost, so that locals can afford to buy them. At the moment, we are selling the solar cooking materials to build a cooker for about \$4. We have to thank SCI East Africa for providing the aluminum foil for free to help keep down the cost.

We are very excited about the Solar Cookers project and will continue collaborating with S.C.I. East Africa and S.C.I. in the US to organize follow up workshops in Musoma. More training will be required for graduates to learn further how to promote solar cooking, train others and run small businesses that will generate an income so the project can continue growing and expanding.



Water testing- Musoma, TZ

NEW TECHNOLOGIES.



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Light weight, easy to set up. The Pulsee solar cooker reaches very high temperatures and costs only 15,000 Kenya Shillings. Order Now !



d.light

- An all purpose Solar Light, has 4 settings, can give light for 40 hours!!
- Comes with a 9Vsolar panel.
- Provides studying light to school children and enables the family to extend day light in friendly healthy way.

Order now for only 4,000/= Kenya shillings. It sure is a delight to have!

HIGHLY APPRECIATED SERVICES...DINAH MOVES ON.

After successfully introducing the community of Nyakach to Solar Cooking in the last 7 years, Dinah Aoko Chienjo is finally moving on. As the Project Officer Sunny Solutions, demonstrating, teaching and talking about clean cooking devices. Dinah accomplished many feats.



Dinah cuts a cake at the new Kakamega office

Soft spoken but firm this brave lady not only taught old grandmas how to solar cook, she also gave demonstrations and lobbied policy makers at highest level - UN headquarter in New York on solar cooking.

In her care was one project assistant, 4 project supervisors and 30 sales agents teaching about and demonstrating the technology. All in all, the project succeeded in meetings both its core and systemic objectives.

We thank Dinah for her time and professional stewardship of SCI's pet project Sunny Solutions - Nyakach and wish her the best wherever she is going and in whatever she plans to do. **SCI -E.A TEAM.**

GLOBAL SUCCESSES AT PCIA FORUM.....

265 partners from 35 countries shared their results and visions in Kampala, March 2008.

- 93 Partners disseminated 700,000 improved stoves by 2008, impacting the lives of 8 million people.

- GERES manufactured and sold 229,000 improved stoves in Cambodia in

2008 more than doubling their stoves sales since 2006.

- Gadhia Solar Energy Systems Pvt. Ltd. installed the world's largest Solar Steam Cooking System at Tirupati Temple in India that cooks 30,000 meals per day.

For more become a partner:
www.PCIAonline.org



THE PROBLEM



THE SOLUTION

Solar Cookers International(EA)

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