



Love In Action
International
A Hands on Ministry to the Lord of Doing, Going, and Giving.

A Christian organization working to fulfill the Great Commission and meet the vocational training needs of our brothers and sisters in Africa.

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“Love Notes”

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Director of Operations Named



Love in Action International and Love in Action Europe (info on LIA Europe on pg. 2). David is the son of Larry and Vicki DeArme, missionaries with Grace Brethren International Missions. He grew up and received his education in the French school system and then did undergraduate work at Moody Bible Institute. For the last six years he has lived in Madrid, Spain teaching English to corporate executive clientele and various other subjects at a local University.

David has had a passion for many years to help poor countries in some way and Love in Action

After months of interaction and an exploratory trip to Chad, David DeArme has accepted the position of Director of Operations for

fits his idea of an effective vehicle for this. His trip to Chad this last summer opened his eyes to the many unused resources and potential projects that would help the local people.

LIAI can help by initiating projects such as the fabrication of a charcoal substitute (see article on pg. 4), a rammed earth method of construction, a computer lab for training on the University of Moundou campus, and micro economic opportunities connected to these and other projects as well as the enhancing of the Sewing Center with relocation and a new facility. Other ideas on the horizon are accessibility bridges, chicken farms, fish farming, fruit plantations and new peanut and soybean cultures. Projects would incorporate team management for accountability.

We are very pleased to have David working with LIAI. He is working on a part-time basis for now until support can be raised for him to be a full-time employee of LIAI (see pg. 3 for his support details).



Metal Fab Students Continue in Training

Written by Melina Ezel

After an almost two year break in Germany, it was with great anticipation and some trepidation that we returned to Moundou and work with the metal shop project at the beginning of August. Our concern that things may have been at a complete standstill during our absence were quickly allayed as we were reunited with the various young men that Matthais have had the privilege of training. What a joy it has been to see

their personal, spiritual and professional development. Most have had opportunities to do internships and various jobs to practice and expand their skills. Here just some stories of individuals:

Jeremie has continued to work in the metal shop to fabricate items needed for mission projects and has also become a valuable "handy man" to the

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LIA Europe

David DeArmev has already presented LIA to many interested Spanish groups and has received a positive response for future donations to our projects. He will be presenting ideas to our French churches by the end of this year. His main work this fall has been to organize a not-for-profit branch of LIAI in Spain (which will be called Love in Action Europe), get a new multi-lingual website up that will be attractive to both Europeans and Americans, and meet with interested parties with a view to their future support of LIAE Projects. There is great interest in Europe for development in the 2/3 world.

Please pray for him as he seeks support and backing in Europe. 🌱

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mission, helping in many ways around the property fixing things and working on vehicles. There are thoughts to hire him full time as a mission maintenance person. Jeremie celebrated his marriage last year and continues to be a strong testimony in the church. He will continue to help Matthias as a Bible teacher and Co-leader of the metal shop.



Taba, only a first year student, also married and found a job with a metal shop here in Moundou working on many different projects all over the country. Some of the jobs required a high level of skill, like roof construction on large buildings, enabling him to gain a lot of experience. It is no surprise



Metal Fab Students . . . Continued

Written by Melina Ezel

that his boss let him go very reluctantly to finish his second year of training. He and Charbonnel, a student from the first course, were also able to start their own metal shop on the side. Together they even managed to get a contract to build a vibration table with moulds to fabricate concrete elements for a large new bank being built in Moundou. This sort of equipment normally does not even exist in this country.

Dalao has also kept busy helping around the mission property and doing some part time work in smaller metal shops. He is hoping also to get married soon. He has chosen a wife, but marriage in Chad is a difficult undertaking for a young man because of the high financial demands on the husband-to-be.



Please pray for these men as well as the other students as they learn this important skill and grow in their faith. 🌱

Solar Lamp Project

Across Africa there are some 50 million kerosene lamps in use each evening and on into the night because they cannot afford the diesel-generated, intermittent local power. These lamps burn about 10 million liters of kerosene each day. One liter of kerosene costs about \$1.25. So the average family, if they have only one lamp, spends about \$4.50 per week for one small light. If the average family income is only \$500 per year in the city and \$190 in rural areas you can see that burning a kerosene lamp is a hefty expense. And think of the cumulative emissions! Yet, a light at night is an acute necessity, especially in the harsh living conditions. When you add to this the cost of flashlights and poor quality batteries available in Chad that nearly everyone uses, the cost for them is enormous given their income. What can we do to help our Chadian brothers and sisters in this need?

Matthias Ezel has found a way for Love in Action to partner with DMG (their supporting

German mission agency) in the providing of solar charged LED lamps for Africans. As the price of kerosene goes up in Africa, the cost of photovoltaic power is dropping because of newer, more efficient solar cells and higher demand. The World Bank has recognized this need for poor countries, “The photovoltaic technology has proven to be one of the best solutions to bring flexible and long term solutions for rural electrification in the poorest areas of the planet.” (Ernesto Macias, VP of EPIA and President of the Alliance for Rural Electrification)

The project not only provides for a critical need, but it creates micro enterprise opportunities to provide jobs for average people. The training for local technicians includes training in basic electricity and DC electronics, batteries, solar cells, and economics. To run a charging station does not require a huge capital investment in tools or facilities and the products that have to be imported are small and some of these are actually available locally. The Mike Retterer

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Solar Lamp Project Continued

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Training Center would be used for the training. The services of a trained specialist would soon be in high demand. Solar modules would be made from recycled solar cells.

Lanterns would be fabricated from kits using LED technology. The lamps can be rented or purchased by the local people. The solar charging station would also be used to charge deep cycle storage and flashlight batteries. The enterprise would include reconditioning of old batteries, sale of new rechargeable batteries, and rental of battery powered equipment.

For the consumer, there would be a one-time deposit of about \$5.00 and a monthly cost

(charging and rental fee) of about one half the present out-lay for kerosene. Purchase of the lamp would be \$10-15 but then there would be no rental fees to pay and a battery life expectancy of three years. In addition to the financial benefit, the light from the solar lamp is three to five times brighter than a kerosene lamp.

The startup need for 500 lamps which includes the lamp assembly kits, solar modules, tool kits, and three months of training for technicians is \$50,000. The next 500 lamps would cost only \$5,000. Please consider partnering with Love in Action in this joint project with German donors for helping our African brothers and sisters with a necessity in life and employment for their families. A gift of \$50.00 would go a long way in encouraging this project. 🌱

Metal Fab Students Help with Hospital Project



In 2006, GBIM started to build a hospital for the medical needs in Gadjibian, a village 80 miles south of Moundou, central to many Grace Brethren Churches. Two years later it is still not finished making it priority number one on the metal shop's to-do list. This year a container shipment with medical supplies and equipment for this hospital finally arrived. The students' first project therefore was to get this container and supplies transported to the hospital. Because of bad roads during rainy season a lot of the supplies were taken in small trucks necessitating several trips. Nevertheless, the container with the heaviest of the equipment and construction materials remained to be transported. The idea was to hire a big truck but the proposed cost was high as well as multiple obstacles loading and unloading such a large object was produced. The

Ezel's idea was to make a trailer small enough to be pulled by the Land-cruisers but strong enough to pull a container.

With old truck parts, heavy tubing and U-bars, the students welded together a tandem axle strong enough to carry 5 tons, but light enough to be pulled by a Toyota 4-Wheel drive truck. It turned out to be a great project for them as they made simple calculations of resistance, and it gave them good practice in welding heavy steel. The

end result was pleasing. They took off for the trip, attracting plenty of attention as they passed through the villages and over narrow bridges to arrive safe and sound in Gadjibian.

The next five days were spent working on the hospital and proved to be a great learning experience for the students. Projects accomplished included: installing an electric solar system, plumbing, carpentry, cutting glass for windows, and much more. No less valuable was all the informal, in between time spent together sharing God's Word and discussing the issues of life.

They plan to continue to fabricate hospital beds and make another trip soon to complete the work. 🌱



The LIAI Team

LIAI has many individuals committed to its ministry. The following is a list of those involved behind the scenes to make the ministry of LIAI effective and functioning:

Officers

Tom Stallter—President / CEO

Karen Retterer—Vice President

Valerie Crumbley—Secretary/
Treasurer

David DeArmey—Director of
Operations

Advisory Committee

- Greg & Nancy Weimer
- Roy & Arlene Glass
- Sharon Stallter
- Dennis Crumbley
- Pastor Charles Lawson
- Tom & Sonja Heffner
- Larry & Vicki DeArmey
- Frank & Karin Puhl
- Matthias & Melina Ezel

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| <input type="checkbox"/> Mike Retterer Training Center | <input type="checkbox"/> DeArney Monthly Support Commitment |
| <input type="checkbox"/> Metal Fabrication Shop | <input type="checkbox"/> DeArney Project Fund/Used Truck |
| <input type="checkbox"/> Apprentice Fund | <input type="checkbox"/> Sewing Center Fund |
| <input type="checkbox"/> Woodworking Shop | <input type="checkbox"/> Auto Mechanics Training |
| <input type="checkbox"/> Jesus Film Project | <input type="checkbox"/> Expansion of LIAI |
| <input type="checkbox"/> Charcoal Substitution | <input type="checkbox"/> Solar Lamp Project |

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Email Address _____

Visit LIAI's website at www.loveinactioninternational.org

If you have any questions regarding newsletter articles or general questions regarding LIAI's ministry in Chad, please contact Valerie Crumbley at (574) 269-4513 or by email at vcrumbley@loveinactioninternational.org.