Meeting Minutes
April 12, 2016

Officers in Attendance

President- Tracy Owen
Treasurer - Malinda Reese
See sign-in sheet for general attendance

Officer Reports

- **Membership Chair**, spread the word about the chapter on social media. We have about 75 dues-paying members, over 600 people on the email distribution list. Since EWB dues are by the calendar year (and are not pro-rated), it’s time to pay dues especially if you hold office or want to travel. You can get a discount on EWB dues if you pay through ASCE. If you register through ASCE and do not select a chapter, you are given “Supporting member” status and cannot travel, so select a chapter! Also

- **Treasurer, account balances as of April 30 (without distribution from wine tasting in general):**
  - General Account $12,400
  - Ecuador $14,203
  - Madagascar $12,824
  - Togo $5,898
  - Tanzania $11,725
  - EWB is coming out with a new accounting process which will allow us to keep donor info, handle event registration. Money will no longer go directly into the project funds with only a designation of where money is intended to go but will not be bound to, so more work for treasurer to account for money but more flexible for chapter). Recommend programs keep track of their funds to help the treasurer. Will only have one account per chapter not per project, grants will be impacted as well.
  - Discussion on Togo funds as project is coming to a close as funds were intended for that project. Donors will need to be contacted to determine if the funds can be distributed elsewhere.

- **Fundraising**
  - Wine Tasting was a great success with preliminary estimates that we met our goal of $10k.
  - Film Festival – Screening of Impoverty Incorporated. Having a hard time getting films, this would help and would cost about $300 to screen the film along with other entries as well with a discussion. Other chapters also would like to screen the film. Chapter is considering. Contact Cedar Wolf to get involved or for info.
  - James Boynton from Solar City is continuing the “Sunraising” program, partner with non-profits, Solar
City pays $200 (was $250) for an introduction to someone who signs up for solar power. They are the largest solar provider in the US. Solar City is open to having a “lunch and learn” at your company and can provide food for the event. Contact him at jboynton1@solarcity.com or 917-679-0930.

- Chris Turnbull-Grimes, ctgctg83@gmail.com visiting the chapter next month. Looking for beta testers for new software. If interested in using the software. Android based app. ‘Flowius.’ Watched information/promotion video.
- Ecuador Erosion Control team had an article about their project in a Spanish language publication.
- OEM manual for the potable water system written by Alex who Pam Gilbert (NGO for Ecuador) hired. Very detailed manual for system and is a great example that could be used for other projects.
- EWB-USA is interviewing for a second state rep for Colorado. (Ben Mapes was a previous representation)

**Project updates**

- **Ecuador Guantugloma project update** – John Jankousky gave an update. Community is about 60 houses, about 400 people. About 90% done, 9000m pipe, 13 tanks, one more large tank being built and almost done so program is coming to a close with possibly one trip in fall but more likely spring. Looking for other projects to work on afterwards. Big tank being built by community, almost done (ferrocement), being done by a nonprofit crew. Felt the big earthquake, no injuries and just a little damage. Team was approached by two different villages for future work, one is 30 households, other is a large city. Smaller one is a future possibility. Russ raised money and donated some computers, Scott Fanello arranged for donation of some tablets.

- **Ecuador irrigation team** – Travelled in April, everyone is safe to install first drip irrigation system, 2 teams about 10 days each. Planning on another trip this fall. Making connection with Rotary for fundraising. Irrigation team is currently in Ecuador, backbone is in for installation of drip system. Will be assessing as built conditions, surveying the community. Figured out sand was clogging system at the source. Trip presentation scheduled for chapter meeting in July.

- **Madagascar project update** – John Abrams presented. The team traveled in November and was able to obtain health records for residents of Anosimparihy (2500 people). Working with Rotary in Manakara, about 90 minutes away. Partner NGO is Hope for Madagascar, based in Boulder. A number of wells have been installed, all about 24-30 m deep, and they hit water at 8 m. It was a 3 person travel team, with one partner NGO member and 3 locals as a support team. The objective was to repair wells, evaluate the sustainability of the system and interview locals, and do water quality testing. The results were better than before the project (using the river as a water source), but not at acceptable levels. Going forward, we want to grow the project with Rotary’s help. The new community has rampant water-borne diseases. During the trip, the team looked at clean water options including wells, springs, filtration, and rain catchment. Team is confident that wells are the solution. Met with mayor, village elders, and potential water committee, met with local doctor. Expecting that this project will be 8-12 hand-pumped wells to serve this village, installed using locally trained personnel. Also taught standard WASH techniques. EWB has experience with India Mark III, Canzee, and Project Vonjy pumps. Cost range is $3000 to $10000, there are two different contractors using both mechanical and manual drilling techniques. Also planning to do hygiene education according to ProjectWet curriculum translated into Malagasy. Next trip will be Fall 2016, now doing design planning for wells. Planning trip in November of 2016. Partnering with Rotary. 2 wells this fall of 12 total in the new village, still looking for volunteers, looking for grant. Mark V. may be visiting this spring.

- **Togo project update** – none. Chris Fahlin working to close the project hopefully this year. Everything is on hold until we hear from EWB-USA.

- **Tanzania** – Project is just beginning, school in Tanzania (900 students) needs a latrine/sanitation solution. Planning on traveling July 7, 2016 for assessment trip for 10 days. Mainly meetings to figure out priorities and figure out design. Partnering with Africa School Assistance Project. Need a wastewater engineer with >5 years experience to get involved in the project and for travel on future projects.
New Business

- Elections will be in August, email Tracy Owen if interested or if you would like to nominate someone.
- See changed in fundraising through EWB-USA which involves a change to the accounting and bank accounts. Called “Classy”.
- Tracy Owen and Melinda Reese went over highlights from the recent EWB USA Summit covering project mgmt., communication, community engagement, project success factors, issues being faced by coastal areas and how to bounce back, how to price projects and manage project funds (See ‘rural water supply network’ and Water for Peoples spreadsheet for predicting cost and worth of projects – google it)

- Guest Presentation - Perspectives of Two Anthropologists – Dr. Emily Van Houweling and Dr. Sally Hamilton, Professors from the University of Denver, will be sharing with us their personal experiences and perspectives. Dr. Van Houweling and Dr. Hamilton are anthropologists specializing in African and Latin American cultures, respectively.
  - About 1/3 of water projects no longer function after 3 years.
    - Failure to adapt to local conditions
    - Lack of mentoring
    - Not partnering with governments
  - Need to assess social, cultural, economic, and political context for a sustainable project:
    - Community particular smaller ones are typically a lot more diverse than people think
      - Gender, economic status, ethnic or religious minorities, tenant vs owner, length of residency
      - Local ideas of fairness and equity
      - Cultural meaning associated with water
    - Gender
      - Roles: Water collection, mgmt., use, maintenance
      - Priorities
      - Perceptions of Water situation
      - Household decision making about water and income
      - Barriers to women’s participation and decision making
    - Governance
      - Roles and capacity
      - Government norms, protocols and systems
      - Community mgmt. (training, incentives, limitations)
      - Formal and informal leadership
    - Community Participation and decision making
      - Local priorities
      - Demand responsive planning
    - Technology – Involve community, keep simple, real world.
    - Public Health – Wash training can be a big contributor to malnutrition
    - Sustainability is a sum of all these above. Make sure savings are secured, sustainable water source, post construction support, monitoring and evaluation.
  - Presented on Proposal for DU WASH Research Center to bring together resources, people, ideas, students, disciplines, creating models, services, etc. Contact: emilyvanhouwling@du.edu
  - Sally did not present but may come back to a later meeting to present.

Q & A plus discussion afterwards

Next Meeting

Project Contact Information

- **Ecuador**, team meets on the 4th Tuesday of every month, typically from 6:30 to 8:30 pm at **DU, Knudson Hall, Room 101**.
  
  Guantugloma - John Jankousky, John.Jankousky@eme-solutions.com
  
  Malingua Pamba irrigation: KKNThomp@gmail.com
  
  Malingua Pamba erosion: Laura Backus, lbackus@gmail.com

- **Tanzania**, team meets on 4th Tuesday of every month, 6-8 pm, **DU Knudson Hall, Room 309**. Malinda Reese, malinda.reese@apexdesignpc.com

- **Madagascar**, team meets on 4th Tuesday of every month, 7 pm, **DU Knudson Hall**. John Abrams, johnlabrams@gmail.com

**Post-meeting**

Socializing and libations at The Pioneer

Stella was here.