Innovative Mobile App Wins Award
By Georgene Robertson

The University of Pikeville in Kentucky hosted the Coleman College of Business' second Startup Challenge Business Plan Competition, held in collaboration with the Kentucky Innovation Network. The Startup Challenge is for new, independent proposed ventures in the conceptual, seed or start-up stages. The competition is open to anyone in Eastern Kentucky, whether an individual or a team of people. This competition seeks to encourage entrepreneurship in all of Eastern Kentucky.

Fifteen teams submitted written plans for a chance to compete for $5,000 in prizes. The eight most comprehensive plans were chosen to present their ideas to a panel of judges. The four highest-scoring teams were selected as finalists to present again to decide the winners. The top three finalists were announced December 6, 2014.

The second place award of $1,500 went to the MTrack Mobile team of Billy Curry, Terri Hunt and Georgene Robertson (WIM At-Large Member and EF Director). They created a mobile software application (app) for tracking oil usage of heavy equipment.

MTrack Mobile is an app that can be downloaded to any smartphone to track oil usage and inventory in heavy equipment. The app will upload oil usage and inventory information to a cloud database of the company's equipment. Oil usage reports will be generated from the information uploaded, then processed and emailed to management.

Current hard paper tracking of oil usage and identifying leaks is a cumbersome task, especially when you have multiple pieces of heavy equipment operating in rough terrain. Manual tracking is slow, labor intensive, and involves a slower turnaround rate of oil leak identification. MTrack will be able to identify potential oil leaks, reduce downtime of equipment by tracking oil inventory/usage, reduce environmental exposure, reduce labor and reduce cost.
SAVE THE DATE!

APRIL 9-11, 2015

WIM NATIONAL ANNUAL MEETING
ELKO, NEVADA
(details forthcoming)

HOSTED BY THE NEVADA CHAPTER
FROM THE PRESIDENT

We are at the threshold of a new year which often prompts thoughts of what we would like to accomplish in the months ahead. As the National President of WIM I feel compelled to encourage you to continue to be an active participating member of your WIM Chapter. WHY? WHAT’S IN IT FOR YOU? That’s a good question. We all know the main goal for WIM is to educate the public about the value of minerals and the need for mining. But….WHAT’S IN IT FOR YOU?!

I would like to share a few thoughts with you. Besides the sense of accomplishment that hits you when you see students show an excited interest and enlightenment as to what mining is all about, here are a few additional WIM involvement benefits.

You will:

- Feel a sense of achievement as your valuable service is performed.
- Experience self-development and personal growth.
- Be with people with similar interests.
- Develop communication, teaching and leadership skills.
- Be recognized for your efforts from schools, from your Chapter leaders and hopefully your company.
- Expand your circle of friends and resources.
- Enjoy the activities and involvements yourself.

I am sure you could add to this list and feel free to do so and send it on to me. In the meantime, keep up the good work and encourage each other to be involved and to help promote new member involvement with co-workers and friends.

Have a wonderful Christmas and New Year’s and I look forward to reading the Chapter updates in this WOMEN IN MINING NATIONAL QUARTERLY.

Darlene Bray
President
WOMEN IN MINING NATIONAL
An Enthusiastic Start

At the beginning of the academic year, members of Women in Mining were poised and ready to welcome the new class of freshmen mining engineers at the Engineering Freshmen Orientation in August. Members were able to meet the new freshmen class and answer questions as well as provide advice on how to succeed during the first year of college. Members were also available throughout the day at a booth set up on campus in the hopes of recruiting new members.

As the first few weeks of the semester progressed, members of Women in Mining collaborated with members of SME on a mentoring program for the new freshmen class. Each freshman was assigned an upperclassman as a mentor. The goal of the program was to ensure that new students had access to someone who could answer any questions they may have about the Mining Department or the University in general. The mentoring program participants also have plans for mentor/mentee bonding activities in the coming Spring semester such as a bowling tournament and a cookout.

Members of Women in Mining also participated in the University of Kentucky College of Engineering Pancake Breakfast. Members set up a booth on campus in order to talk to students and parents about mining engineering and the various organizations and opportunities that the mining department offers.

Review of Education Outreach Events

This semester’s main educational outreach event of the Fall semester was the Career Fair at Southern Middle School in Lexington, Kentucky. During this event, more than 200 eighth-graders were exposed to mining and mining engineering. As part of the requirements for participating in the Career Fair, students were required to obtain the answers to a number of questions about each of the careers represented. These questions allowed the students to learn what kind of education a mining engineering degree requires as well as how math, science, and technology are incorporated in the everyday activities of the job.

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Members of Women in Mining also spent a great deal of time working with members of SME and ISEE to plan for the annual UK Engineering Day Events which are held during the Spring semester. An entire classroom will be set aside for the mining engineering department, and students will be present to talk to parents and students from schools throughout the state about engineering and more specifically mining engineering. Plans for the event include having a working model of a hydrocyclone, a coal loading contest, mine rescue gear, and a beam building demonstration.

One of the main goals of the UK Chapter of Women in Mining during this academic year was to increase our participation in community education outreach programs. Several meetings were held in order to brainstorm different ways to accomplish this goal. Ultimately we decided to send out letters to surrounding middle and high schools in an effort to generate interest in promoting the education of individuals on the importance of mining engineering as well as the minerals industry. The chapter is well prepared for the Spring semester and is excited to see what new opportunities and adventures the future holds for the University of Kentucky Student Chapter of Women in Mining.
The redesign of the website is underway with our new webmaster Ebony McGee working with
the web designer. Ebony has experienced some difficulty in getting responses from the Chapters
for the information she needs to update the site and I would like to remind the Chapter
representatives that they should respond as quickly as possible to requests for information from
the EF webmaster. The website is the first contact that many potential members have with our
organization and we need to ensure accurate, up-to-date information.

Scotty Norman and I drove to Spokane in late October to take part in the Silver Summit and our
Silent Auction table. While the attendance and donations were down due to the low silver prices,
it was still a good event for us. We again benefitted from the Silent Auction fundraiser. A
delightful bonus this year: our rooms were in the original Davenport Hotel that had celebrated its
100th birthday the week before we arrived. The hotel has been totally renovated and remodeled
and our room was awesome to say the least. We enjoyed the beds, although it took a bit for
either of us to crawl into them (no short jokes please).

Jackie Dorr met me in Reno for the American Exploration and Mining Association Annual
Meeting the first of December. For old timers, this is the former Northwest Mining Association
headquartered in Spokane, WA. Our booth was in a very good location and we had quite a bit of
traffic throughout the conference. Our room, however, was totally different than the one in
Spokane; a Tommyknocker played various tricks on us for four days! Ginger Peppard and
Stephen Tibbals of the Nevada Chapter were able to help at the booth. We also were able to pick
our booth location for next year’s meeting which will be in Spokane.
The attendance was great and we were able to visit with many of the
friends we have made over the years
at various conventions. I talked to
employees of two mines in Northern
Nevada, so the Nevada Chapter
should expect several new
members. We also gave out
applications for the Denver Chapter
as well as At-Large. Hopefully the
mail boxes will be receiving many
applications soon.

The Foundation Board of Directors
wishes everyone a very Merry
Christmas and best wishes for a
Happy New Year. 
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The season of the Christmas parties has arrived, and therefore the chapter has kept busy with bartending various parties. The chapter also was active in the community with Northern Nevada Fall High School Career Fairs.

Activities

The group participated in the local Northern Nevada Colleges and Career Fairs in three of the local high schools, Winnemucca, Battle Mountain and Ely. These events were a great success, with the WIM reps being given an opportunity to discuss the importance of both career planning and a college education to the students. The event also gave the group a chance to spread the word about the high school scholarships which the group gives out, as well as a chance to encourage students to pursue a field in mining and minerals.

At the end of the last quarter, we participated in the Rye Patch Nugget Shoot, which is a local metal detector hunt with a participation of approximately 300 people (a little less than expected due to inclement weather). The group had a booth set up next to several others, including a booth featuring minerals and rocks, and one with old prospector equipment. Unfortunately the booths were located a distance away from the actual event and did not get much traffic, though the event organizers have a plan to change this for the next year. The Nevada Chapter sold several cookbooks to interested parties!

Ginger Peppard demonstrating activities

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**Fundraising**

This quarter is always one of the busiest times of year for the group with fundraising activities, as this is when many companies have their holiday parties. This quarter WIM provided bar services at four parties for three different mines: Barrick Turquoise Ridge, Klondex Mining and Florida Canyon. The events have been great successes so far, with a total of $1,675 in tips from just two of the bars! This will help us fund two full high school scholarships, with a start towards funding a third. The bars are always fun time to interact with the group and the local communities, as well as raising money for good causes.

**Meetings**

At the end of the last quarter, we went on a tour of the MI Swaco Barite Mine located southeast of Battle Mountain. In addition, the group held a meeting in December to discuss the upcoming National Convention, which will be hosted by the Nevada Chapter.

*The WIM national meeting will be held in Elko, Nevada from April 9-11, 2015. We hope to see everyone there!*
October 4 – We closed out the summer season by taking a ride on the Georgetown Loop Railroad just as the leaves were beginning to change, followed by lunch in Georgetown.

October 11 – The chapter had a booth at Girl Scout Day at Dinosaur Ridge in Morrison. Our booth featured the theme “Minerals in Your Everyday Life.” It was great to teach kids, and their parents, where minerals come from and how we use them in everything from toothpaste, to cell phones, to candy!

We were delighted to inspect the new Discovery Center at Dinosaur Ridge, which features a profile of the geology of the Front Range on the side of the building.

October 15 – Our featured speaker was Stephen Hart who presented the history of radium and uranium mining in Colorado, and the forgotten mines, mills and laboratories that were used to test and process this radioactive material. Mr. Hart was involved in the cleanup and remediation of dozens of impacted sites during his career.

Also at the October dinner meeting, our scholarship winner, Kamilia Putri, gave us a wonderful presentation about her background, her ambitions and her appreciation for the WIM scholarship. Kamilia is a student at the Colorado School of Mines and is pursuing her B.S. in Petroleum Engineering.

November 18 – Volunteers Karen Jass and Dick Beach participated in the Adams County Commissioners’ Career Expo. Approximately 6,000 eighth grade students attended the event.

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November 18 – The Chapter enjoyed a very special trio of speakers: Stanley Dempsey, James E. Fell, and our own Carolyn O’Dell. Messrs. Dempsey and Fell recently republished their book “Mining the Summit: Colorado’s Ten Mile District” which recounts mining life in Leadville, CO from 1860 to 1960. Mr. Dempsey was division attorney for Climax Molybdenum Company during its heyday, and helped negotiate the relocation of four old mining towns in the valley next to the Climax Mine to make way for the eventual location of the tailing ponds. He is also one of the founding members of the Denver Chapter and continues to sponsor our activities. Mr. Fells is the author of the well regarded book “Ores to Metals: The Rocky Mountain Smelting Industry.” Carolyn grew up in the Climax-Leadville area and worked at the AMAX Extractive Metallurgical Lab in the 1960s. Many audience members reminisced and shared stories of their time in Leadville, resulting in a delightful and very interesting evening.

November 22 – We held a baby shower for Past President Amanda Adams, who will be taking a couple of months off as our chapter newsletter editor after her “Christmas Baby” arrives. As of this printing, the “newest” WIM member had not yet arrived.

December 13 – The Chapter held their Annual Holiday Tea at the historic Astor House in Golden. We enjoyed the downtown Golden Christmas Parade prior to lunch, dessert and, of course, tea, presented by servers in Victorian dress who entertained us with stories and Christmas music.

\[In Memoriam: Faye Lombardi passed away in November and many WIM Chapter members attended her memorial. Faye started the first ever Brownie Troop in Brooklyn, NY in 1955, and was active in the Colorado Girl Scouts for the remainder of her life. In 1975 she entered the workforce as a recruiter for the oil & gas and mining industries and she became actively involved in Women In Mining. Faye held many officer positions over the years, and was presented the Chapter’s prestigious Hall of Fame and Augusta Tabor Lifetime Achievement awards for her outstanding contributions to women working in the mining industry. We shall miss her sparking, uplifting personality and her amazing smile.\]
California Chapter Report
By Betty Peters

**WIM TEACHING**
This last quarter of the year has been a busy one for the California Chapter of WOMEN IN MINING. Various organizations were holding events and we often provided a WIM booth. In addition, schools are deep enough into their studies that they now value having someone come into the classroom and bring life to their lessons on minerals. Our Chapter Members responded to the requests and we greatly appreciate their valued time and efforts.

**September 28** – Christine Jones, set up a WIM booth display at the “5k Run/Walk Around the Rocks” located at the CEMEX, Lytle Creek Plant in Rialto. The event offered the community an opportunity to see an active mine. This 5K course took runners into Cemex’s Lytle Creek aggregate quarry which is over 100 feet deep. They also saw the BIG equipment that is used to mine the sand and gravel that becomes the roads, bridges, sidewalks and buildings that they see and use every day! A WIM booth was set up to be able to share information about the minerals being mined today.

**October 4** – Darlene Bray, Julia Lakes-Martinez, Desirea Haggard, Gina Oliver and Angelica Wong taught at the Mojave Environmental Education Consortium (MEEC), “Youth Environmental Leadership Conference” (YELC). The gathering has a focus on Science, Technology, Engineering and Math (STEM). WIM members presented 12 sessions to students in the 3rd through 12th grades.

**October 10** – Betty Peters had the fun of teaching two 2nd grade classes at Oak Grove Private School in Ojai. Young students had a chance to learn about mining and a few were dressed in mining attire. The most fun was when they were able to make their very own silly putty out of diluted boron and Elmers glue.

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November 1 & 2 – Gena Oliver and Patti Deer had a WIM booth at the Oxnard Gem & Mineral Show. They were there two days from 9am to 5pm each day teaching kids that came to the booth how to make tooth paste and what minerals were included in the mixture.

November 15 & 16 – Victor Valley Gem & Mineral Show was held. Dinah Shumway, Gina Oliver, Yoana King and Christine Jones had a booth doing toothpaste as well as the “Cement is not Concrete” exercise. Dinah also had a 1.5 hour workshop for teachers with the subject being properties of minerals, including the toothpaste exercise. Dinah also handed out minerals from buckets as well as toothbrushes!

WIM GIVING
On November 19, WIM had a request from Tina Ramsey, a geology teacher at Montclair High School. They were building a garden and were in need of 50 boulders around 10 inches in diameter to be used for structure and decoration. Christine Jones at CEMEX responded that their aggregate operations were willing to donate the boulders. The school arranged to have them picked up.

WIM MEETINGS
October 9 – A meeting was held at Rain For Rent in Riverside. We had a chance to learn about their operation from the Branch Manager, Matthew Stanton. It was interesting to learn how they are able to provide water to many of the mines in the area in various ways. Mr. Stanton answered many of our questions about the company. We also had a lesson on how to teach the “Cement is not Concrete” lesson so that we are better prepared for the classroom.
November 13 – A meeting was held at Mitsubishi Cement Corporation in Lucerne Valley. We were provided information about the Mitsubishi operations along with having our normal meeting.

December 4 – WIM held a dinner to celebrate all of the efforts many of our members. We had a good turnout and everyone enjoyed hearing about the accomplishments for the year. We all received a card with a magnet of a hard hat with the WIM logo on it. All members who donated their time for an event were recognized and given a big round of applause. We do thank and appreciate our members.

Merry Christmas and Happy New Year to all of our wonderful WIM Chapter Members.
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The next National Quarterly will be published **April 2015**

Chapter Reports are due **March 15, 2015**

**Lead Story Assignment:**
April 2015 Issue — TBD