DON’T GIVE UP!

By Betty Peters
2004-2006 WIM National President

While considering what would be of value for this issue’s Lead Article, I couldn’t keep from wanting to send an encouraging message to everyone to keep on … keeping on! Don’t Give Up!

We all know that the WOMEN IN MINING Objectives are:

To educate members in the technical and other aspects of the mineral resource and related industries through informative and educational programs.

To institute and promote such educational, scientific, legislative, and other programs as will foster public awareness of the economic and technical interrelationship of mineral production with our national economy and the public good.

To preserve the heritage and maintain the history of mining and mining people.

“Educate – Institute – Promote – Preserve – Maintain”

All very appropriate words for the vision that our founding women had when they saw the need for an organization like WOMEN IN MINING. The general public is most often oblivious to what all is involved in the mining industry, and even today when we meet “city folk” they are in awe of what many of us are providing. Not just with our jobs, but the fact that we take the time to respond and be involved with teaching requests, conference booths, mine tours, and all of this with accountable standards shared at monthly WIM meetings.

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DON’T GIVE UP! (cont.)

If you don’t share…they won’t care!
In today’s business world many companies are changing their operations, cutting back on staff and not letting staff members to do extracurricular things on company time. Perhaps it is time to re-educate some mining company leaders as to the value of being out in the community educating the public about the necessity for minerals and the need for mining. With that said, may I encourage you to share any WIM publications with your company leaders and thank them regularly for their support. In addition, if your meetings are held at a mining operation, ask that one of the plant leaders attend the meeting and acknowledge and thank them for their support.

Mentoring the Membership is Critical
Like most organizations, it is typical that just a handful of members “step up to the call” and volunteer to lead or help when a request is made. It’s so easy to just be a member and figure that “one of the regulars” will handle it. In the big picture, that will work for a while but in due time the workers will get discouraged and say “Enough!” How do we fix that before that happens? All WIM members need to participate at some capacity. Ones who have stayed in the background should be approached to see how they can participate more. For example, when a request is made to teach at a school, new members need to be a helper, and while helping they can observe the lead people and learn how a class is handled. They don’t have to be a strong, fabulous teacher. Whatever you can give, most teachers are very happy to get and they will ask you to come back in the years that follow!

Please – Step up and Help!
Before the existing membership leaders get discouraged and say “Enough” ...take some time to prepare a written note or an overview of what WIM is trying to accomplish and seek some time with the person you report to at work. Explain what WIM is all about and seek their approval for some time away from your job. I doubt that your request will be declined.

I don’t know of any other organization that does what WOMEN IN MINING does. So to all of you, THANK YOU for seeing the value of WIM and supporting our objectives now and in the future.
FROM THE PRESIDENT

It is a privilege and an honor to be the 2014 – 2015 President of WOMEN IN MINING National. I remember when I first learned about WIM and the amazing things that the members were doing to educate the general public about mining and minerals. As you are growing up, unless you have someone close that is in the mining industry, you don’t have a clue what all is involved. You see piles of rocks as you drive past mining facilities and wonder what in the world they are going to do with all of those rocks and small mountains of sand. You wonder, “Aren’t they more of an eye-sore then anything of value?” The story of the value of minerals and the need for mining needs to be told!

In today’s world of work, I am sure you all have experienced company cut-backs and requests from your company leaders to concentrate on getting your job done and to limit time away from work. There is no question that our jobs are priority, but it is very important to keep your management informed of what amazing things your Chapter of WIM is doing. In fact, if you are inclined, the next time you go into a classroom of sixth graders, consider taking your immediate boss with you. Have him or her spend some time watching you and others teach what mining is all about. As the students dig chocolate chips out of a cookie and consider the ramifications of mining….so much to buy the land….so much to get the equipment….so much time to dig and then finally…..there it is — solid “gold” chocolate chips laying on your chart! I am confident that after the experience, your boss will be a strong supporter of reasonable time away to support WIM educational efforts.

The WIM National Quarterly is a gift to us in WIM. Our Editor does an amazing professional job of coordinating all of the information and this is one newsletter that should not just stop at our own personal computers inbox. It needs to be sent to the leaders in your company, to your immediate boss, and even making a copy and posting it in an employee lounge could be of value to help inform your co-workers about what you are doing with WIM. That may even prompt more Chapter membership from your co-workers. Think about who would benefit from knowing more about WIM and forward the amazing Quarterly on to people impacted by the industry.

So, with all of this said, I want to thank you for keeping WIM “alive and well” in your State. What we are doing is beyond exceptional and I hope I have inspired you to “keep-on-keeping-on.” Please be encouraged and know that I personally appreciate all that you continue to do to educate the public about the value of minerals and the need for mining.

Sincerely,

Darlene Bray

President
WOMEN IN MINING NATIONAL
NEVADA CHAPTER REPORT
By Katie Gardner

Summers are always a time for staying out of the sun and seeking cooler climates in Nevada, and this year was no exception. The chapter had regular monthly meetings and was able to continue with our fundraising efforts even with vacation on everyone’s mind. We also were even able to get enough members together despite busy summer plans to do a couple of educational events.

Activities

One of the big events in the Winnemucca area is the county fair. This is held over the Labor Day weekend and has all the events that people love. Livestock shows, a rodeo, pig wrestling, tractor pulls and a carnival are all favorite events. The steam engine and antique tractor display is one of the better collections of historic working equipment I have recently seen.

For the past two years, one of the events that the kids all enjoy is the Women in Mining Pet Rock contest. Our members really enjoy collecting just the right rocks that the kids will find inspirational. We also have quite a collection of ribbon, buttons, yarn, eyes and magic markers with all the colors of the rainbow. Put that all together and you have one popular event! The pet rocks are divided up into several classes and judged by a very professional group of Pet Rock aficionados. All the kids had a great time, and we all had a good time providing an outlet for their imaginations. One of the things I always ask the kids who participate is where their parents work. Three fourths of the kids tell us that their mom or dad, or both, work at one of the local mines.

Taylor, age 3, was a runner-up

2014 Winners

| Ages 5 & Under | Tanner |
| Ages 6 - 9     | Danny D |
| Ages 10 - 12   | Tyler  |
| Ages 13 - 18   | Meteo Hernandez |
| Ages 19 & Older | Laura House (not pictured) |

Tyler
We also had plans in late September to put on an information booth at a local event put on by a group of “gold hounds.” The main event is a free metal detector hunt with an expected head count of somewhere between 500 and 1,500 people. We will report back next quarter on the outcome.

**Fundraising**

As usual we have been acting as bartenders to raise funds. The summer was quiet and we only had one event, but it was still fun. The other great windfall for us was that the local County Fair and Recreation Board gave us $300 for putting on the Pet Rock activity at the fair. It seems like we had way too much fun to get paid. Arloa Woolford actually tried to talk them out of paying us, but I was able to quickly squelch that idea!

**Meetings**

We have had three meetings this quarter. The first was held in Elko, NV, and was hosted by Carwil Welding. This was a business meeting that we used as a brain-storming session on providing a better meeting experience for our members. We all want our members to leave a meeting feeling like they have learned something and enjoyed themselves.

The second meeting was held at the fairgrounds in Winnemucca shortly before the Pet Rock activity. We used it to get organized for the event.

September’s meeting was sponsored by MI Swaco where Scotty Norman works. She was kind enough to arrange for MI Swaco, which produces barite products for the drilling industry among other things, to allow us to have our meeting at their office, and to also give us a tour of their barite mine southeast of Battle Mountain. This was a well-attended meeting and enjoyed by all. The mine is one of their older facilities and has been producing barite for years. The equipment is older but very well maintained and a sharp contrast to the huge equipment used by the gold mines in the area. It is always interesting to see how a different segment of the mineral industry does business.
EDUCATION FOUNDATION REPORT
By Arloa Woolford

Things have really picked up this quarter for the Foundation Directors. The website redesign is progressing, the new Internet host has been established and work is being done on getting information from all Chapters to add to their individual pages. The PayPal option for paying dues is just waiting for the necessary information from those who have voted to utilize it. I am asking that each Chapter please submit the information that Webmaster Ebony McGee requested to her as soon as possible. In September, Ebony and her fiancé were married. Our congratulations to her and Soren and we wish them much happiness.

The one area of the website that is going to take the most time is the activities section. Beth Price has been editing the activities that are already posted, as well as numerous others. Some activities are very old and need to be updated and reviewed, and that takes a lot of time. Some members of the Nevada Mining Association Education Committee will also help review the activities, most of which have finally been converted into Word documents from old hard typewritten copies. There are probably a few dozen more that still need to be converted into a Word document so they can be edited before the final review. It is our hope to be able to add some graphics and pictures to many of them to help educators understand how to use them in the classroom.

Scotty Norman and I will be travelling to Spokane, WA, October 22 to take part in the Silver Summit and our Silent Auction. I am hoping that the price of Silver goes up before then as this event has proven to be a great fundraiser for us, and the attendees have been so generous in previous years.

The first week in December we will have a booth at the American Exploration and Mining Conference in Reno, NV, and we will be looking for workers to help at the booth. If you are going to the conference and are interested in working the WIMEF booth, please contact me at wimer23@reagan.com.

Three grant applications are almost complete and will be submitted this month. The Treasurer’s books were audited in September with no problems found, so the audit results are now ready to be attached to the grant applications.

We hope everyone enjoyed their summer and you are now ready to get back into the groove of meetings, events and promoting WIM around the country.
TEXAS CHAPTER REPORT
By Donna Thornton

The Texas Chapter is growing!! We have added 12 new members since the last update, bringing our membership to 30 with more in the pipeline. It is very exciting to be a part of this new chapter though we are hoping not to be the newbies for long. WIM National President Darlene Bray asked us to share our experiences with a group in Arizona, and we hope they will be starting the organizational process soon.

The August meeting was hosted by L’Hoist in New Braunfels, TX. Our September meeting was in the Dallas area where we met at and toured the Martin Marietta Cement Plant in Midlothian. We will be trying video conferencing for the first time, so wish us luck. Plans are being made for an October visit by some of our friends from the California Chapter who have volunteered to come do some training for us on a few of the educational activities.

We will also be taking advantage of an offer from the WIM Education Foundation to do some training after the first of the year. We are looking forward to getting the tools to be able to start doing educational outreach in our communities across the state.

Are you on Facebook? The Texas Chapter has a Facebook page for the public and a private group area for our members. Look us up at www.facebook.com/womeninminingtexas and “Like” us – we are interested in your feedback.
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CALIFORNIA CHAPTER REPORT
By Betty Peters

The California Chapter of WIM is proud to have submitted the “Lead Story” for this issue of the National Quarterly which covers the last part of June, July, August and half of September. In the previous months of April, May and June, our members taught at 18 events and attended two WIM meetings, including our annual fundraising golf tournament.

We thank all of our supporters, especially our employers who see the value of WIM efforts and appreciate our passion to educate the public about the importance of minerals in our everyday lives.

I am sure all Chapters recognize that the summer months provide a time to regroup, refresh and recover from previous months of extensive activities. For us …it’s time to remember that in California …

WIM Meetings
On July 24th we had the pleasure of meeting at TXI Riverside Cement, Oro Grande Plant.

On September 11th WIM met at the Mojave Desert Air Quality Management District offices in Victorville. After the light dinner and business meeting, Dinah Shumway gave us a reminder lesson on how to do the Chocolate Chip Cookie Mining activity. Going over the process of presenting this exercise was fun as well as informative for those who had never “mined” the chocolate chips out of a cookie. Not only do you do “mining” but you have to be prepared to buy the mine (the cookie) as well as the mining equipment (tooth picks and paper clips). Reclamation costs are also factored into the equation. Lots of fun and, thanks to Dinah, we are ready to provide this lesson in a classroom.

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WIM Teaching

On June 28th Julia Lakes Martinez attended the Mid-Summer Desert Festival held at the Desert Discovery Center in Barstow, California.

On July 12th six of our members made the drive up the mountain to the Big Bear area to participate in the Big Bear Chili Cook-off, Old Miners Association event. WIM had a booth and Dinah Shumway, Yoana King, Cyndy Mandell, Lois Papner, Joyce Fitzgerald and Julia Lakes Martinez had the fun of teaching how silly putty is made out of diluted boron and Elmer’s Glue.

Miscellaneous

The WIM California calendar for the months ahead is already filling up. We are getting requests from schools who have previously had us in their classrooms. In addition, the word is spreading and new schools are learning of our beneficial lessons and are getting us on their calendars as well.
WIM Talks Minerals at 2014 Boy Scout Day at Dinosaur Ridge

On May 10, retired geologist Brenda Steele and mining engineer Karen Jass set up the WIM booth to once again participate in the Boy Scout Day event at Dinosaur Ridge. This year there were about 2,000 visitors attending, mostly younger scouts hoping to gather the necessary information to get their badge or pin following this event.

We borrowed Colorado Mining Association’s rock product cases and amazingly this year there were a number of troops who needed that specific information to fill in the questionnaires which were included in their official Boy Scout registration packet. As usual, the parents took time to look at the rocks and the products, as did the youngsters - generally addressing the questions they needed to answer towards meeting the requirements of their badges or pins (depending on their ages).

This year the weather was perfect - not too hot nor too cold, no rain or snow or wind - so the morning and early afternoon passed quickly and successfully. We fielded a lot of questions - at times we were both answering questions at either end of the tables - showed off some of the properties of rocks on display, and gave out career information (and there were a number of folks, including some young ladies, specifically interested in that!). Once again, a successful endeavor on WIM's part to educate the public and hopefully encourage some of the youngsters to consider a career in an Earth science related field.

Denver Chapter Scholarship Winner

This year’s six-member committee has selected Ms. Kamilia Putri as the recipient of the 2014 WIM Scholarship. Ms. Putri will be a junior in petroleum engineering at Colorado School of Mines. She comes from Bakersfield, CA, the town that overlooks the Kern River Oil Field. She was inspired to enter engineering by a retired geologist who was her AP environmental teacher at the annual Engineering Day at her school. Her town’s proximity to the oil field inspired her to write “Oil Industry in a Developing Country, a Case Study of Chevron Pacific Indonesia,” which was nominated as an Oppenheimer Case Study in 2013.

Kamilia was selected to the team representing CSM at the annual International Petroleum Technology Conference to be held in Malaysia. She is also involved with the CSM Society of Women Engineers as the Director of Diversity and Departmental Communication and the Girl Scout Badge Day, where she has been able to interact and inspire girls to consider a STEM career. She is a member of the Phi Beta Delta Honor Society, Society of Petroleum Engineering, Indonesian Student Assn (she is a native of Riau, Indonesia, a very “oil based community”), and the Blue Key Honor Society. Upon completion of her Bachelor’s degree, Ms. Putri plans to pursue her Master’s degree in Petroleum Engineering.
Congratulations to our own Karen Jass!

The June issue of SME Mining Engineering magazine featured a fantastic article about Karen Jass receiving the Colorado Section of SME’s Lifetime Achievement Award. This prestigious award recognized Karen for her significant contributions to SME, including her role on the GEM committee, and also for her role in other organizations such as WIM.

Most, if not all, of us in the Denver Chapter of WIM have had the pleasure of working closely with Karen at some point, and we can all agree that she is a tireless advocate for WIM and the mining industry in general. She is an inspiration to both old and new members of the organization, and is always willing to get involved, take charge, lend a helping hand, or be a supportive friend.

Thank you Karen for all that you do!
Ellen Henrietta (Swallow) Richards (1842-1911) was inducted into the National Mining Hall of Fame at the September 13 Induction Banquet in Denver, CO. WIM National is proud to have sponsored the plaque which will hang in the National Mining Hall of Fame & Museum facilities in Leadville, CO.

The plaque reads: “Ellen Swallow Richards is generally recognized as the woman who founded ecology. She was the very definition of a pioneer in such diverse fields as chemistry, geology and mineralogy, mining and metallurgy, environmental science, public health, home economics, and education. She was probably the first woman to receive a collegiate-level science degree in the United States and among the first to recognize the environmental aspects of mining.

“Ellen Swallow was the first woman to attend, and graduate, from the Massachusetts Institute of Technology in 1873. She also received degrees from Vassar and was later awarded an Honorary Doctor of Science from Smith College in 1910. She was the first female faculty member at MIT, the founder of the Women’s Laboratory there, and the school’s first Dean of Women. In 1875, she became the first woman admitted to membership in the American Institute of Mining Engineers (AIME), where she remained a life-long member.

“In 1875, Ellen Swallow married Robert H. Richards, Professor of Mining and Metallurgy at MIT (also a National Mining Hall of Fame inductee). She frequently traveled with her husband on his consulting and student trips to mines, acting as his assayer and colleague. She even taught his mining engineering classes over a two-year period while he recovered from an illness. During trips to the copper region of Michigan’s Upper Peninsula in the early 1880s, she was believed to be the first to establish an environmental baseline for copper in the area.

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“On her own, Swallow Richards visited and evaluated ore deposits in upper New York State and metalliferous deposits in Maine, Canada and elsewhere. She was likely the first to report on some unknown elements in samarskite, which were later identified by others as samarium and gadolinium. She published "A New Method to Determine Nickel in Pyrrhotites and Mattes," which she applied to ore from the Coppercliffe Mine. This essentially kicked-off the nickel industry in Ontario with her determination of five percent nickel in a sample of ‘copper’ ore.

“Swallow Richards taught a course in mineralogy at the Boston Museum of Natural History to children, schoolteachers, and Harvard undergraduates. In 1882, she published First Lessons in Minerals for public school students. This book traced elements through fuels, foods, and materials to the human body, and is among the first books published in elementary environmental studies. She has numerous publications to her credit, and her work in food chemistry was among the earliest efforts in understanding the science of human nutrition.

“The mining industry can truly claim Ellen Swallow Richards as one of its own. Her relentless spirit to pursue a career in what was without question a ‘man's world’ at the time, and to become a respected and valued contributor to the industry on her own merit, is testimony of her extraordinary character, perseverance, and commitment to life-long learning.”
Special Feature:  
Barrick’s Turquoise Ridge Employees Support Program to End Gender-Based Violence

By Melanie Lawson

Turquoise Ridge employees showed their support and dedication to ending gender-based violence during the *Walk a Mile in Her Shoes* event, held April 25, 2014, in Winnemucca, NV. Sponsored by White Ribbon, the world’s largest movement of men and boys working to end violence against women and girls, the event promotes education and awareness of the impact of gender-based violence by focusing on the positive roles men and boys can adopt.

The event was a partnership between Barrick, White Ribbon and the Winnemucca Domestic Violence Shelter. It asks men to literally walk a mile in women’s shoes as a comical, but impactful way to demonstrate their commitment to the cause because, as the saying goes, “You can’t really understand another person’s experience until you’ve walked a mile in their shoes.”

Simon Pollard, Safety Superintendent at Turquoise Ridge, volunteered to kick off the walk as one of three guest speakers talking about the positive roles men and boys can play. “We can start by examining our own attitudes and behaviors as they relate to women,” said Simon. “Through our words and through our actions, we can teach the men and boys around us that violence against women is wrong and that it will not be accepted in our homes, in our workplaces, or in our communities.”

*Walk a Mile in Her Shoes* is part of a larger global effort by Barrick to promote gender equality and help end violence against women. Barrick partnered with the White Ribbon organization in 2012 and has launched workplace and community campaigns at pilot sites in Zambia, Papua New Guinea and Nevada.

“April is sexual assault awareness month and we’ve organized *Pinwheels for Prevention* to raise awareness about child abuse and also organized a celebration at the museum for National Crime Victims’ Rights Week, but the *Walk a Mile in Her Shoes* event was much bigger,” added Tiffany Stickney, Program Director for the Winnemucca Domestic Violence Shelter.

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A mine site event was also organized to include employees who were scheduled to work and couldn’t participate in the Winnemucca event. Employees received information about the purpose and goal of the campaign and, most importantly, how they can help to break cultural barriers and make a commitment to end and prevent violence against women. Employees signed a banner promising to never commit, condone or remain silent about violence against women, and some employees even agreed to wear high heel shoes for a few minutes to show their support.

Barrick donated $50 to the Winnemucca Domestic Violence Shelter for every Turquoise Ridge employee who participated in the workplace and Walk a Mile in Her Shoes events. One hundred and two Turquoise Ridge employees participated, raising $5,100 for the shelter. The Winnemucca Domestic Violence Shelter helped more than 350 people affected by domestic violence in 2013.
The next National Quarterly will be published **January 2015**

Chapter Reports are due **December 15, 2014**

**Lead Story Assignments:**
- January 2015 Issue — MS&T Student Chapter
- April 2015 Issue — At-Large Chapter