Annual Meeting A Resounding Success!!
By Betty Peters, CA Chapter

THANK YOU to the WIM California Chapter for hosting the 2012 WOMEN IN MINING National Conference. And a huge CONGRATULATIONS for a job well done to the planning team that made it all happen!

Do you know why a WIM National Conference is held every year?

The official answer to that question is that it is required by the WIM National Bylaws and Policies & Procedures to bring together WIM National Representatives from all of the Chapters throughout the United States. They need to hear what other Chapters have accomplished in the previous 12 months as well as to select officers for the new year. Betty Peters, Co-Chairman of the event said; “As Chapters we can be so caught up in what we are doing that we forget that other members are also doing significant things to educate the public. Hearing of accomplishments encourages all Chapters to continue on and keep up the good work!”

This year’s National Conference was held in California at the Bahia Resort Hotel in Mission Bay, San Diego on May 17-19, and 51 people attended. The National Representatives were required to attend the Board of Directors Meetings, while others could be selective and attend meetings or just participate in the tours, educational classes and dinners. The California Chapter was able to host the hotel and conference expenses for eight college students. Two were from Virginia Tech, three from Missouri Science & Technology and three from the University of Kentucky. In addition, we had the honor of having Dr. Emily Sarver, Assistant Professor, Mining and Minerals Engineering from Virginia Tech, and Bonnie Love, Editor of World Wide Drilling Resource Magazine and newest WIM EF Director, in attendance.

(Cont. on page 2)
National Meeting Review (cont. from page 1)

The conference started on Thursday, May 17th with the Annual WIM Education Foundation Meeting, which was followed by a training workshop that introduced some new activities that members can take into the classroom. (See page 5 for the EF report.)

That evening a reception was held in one of the hotel luxury rooms which provided time for individuals to get to know each other while enjoying the ocean front marina.

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FROM THE PRESIDENT
Stephen Tibbals

First, I want to thank the Board of Directors for electing me President of Women In Mining. My years as a member with WIM have been very fulfilling and I have enjoyed the interaction with both the Nevada Chapter and at the national level. I would also like to thank Betty Mahaffey for the fine job she did over the past year and I hope to be able to do as well.

I began my relationship with WIM as a volunteer at fund raising events held by the then-Winnemucca, Nevada Chapter of WIM 20 years ago. At the time men were not allowed to be regular members of the organization. How far we have come! We now have male members in several chapters with several holding positions as officers.

I was always on call for WIM. I appreciated the friendly rapport the Winnemucca Chapter members had with each other, enjoyed working fund raisers with the chapter, and respected the goals of WIM in general. It is very important to not only the mining industry, but the United States as a whole, for everyone to understand exactly how important minerals are to our way of life.

As my involvement in WIM has increased, I have continued to enjoy the organization. At our recent meeting in San Diego I loved hearing about how the other Chapters are training teachers and children in minerals and their uses. The level to which the organization is supporting education thru scholarships is truly heartwarming. I encourage all of our members to keep up the good work!

The transition from the excellent job that Betty Mahaffey had done during the previous year is nearly complete. Bank accounts have been transferred and Jann Higdem, our current treasurer, is set up and ready for business. I am looking forward to the coming year as one where we can bring a little more focus to the organization on a national level. ✤ ✤
Early Friday morning we were on a bus, heading up into the beautiful Cuyamaca Mountains to the town of Julian. Our first stop was the Eagle Gold Mine where we toured their famous gold mine and heard about their interesting history which included a collection of old mining equipment, as well as vintage cars and tractors.

After the tour and an outside patio lunch we visited the Julian Mining Company where we were given a lesson on how to pan for gold as well as precious gems. Karla Brown, Planning Committee member reported; “As we stood before the long watering trough, mini pieces of gold glittered within the sand and prompted us to continue our search for that big gold nugget!!! I’m not sure if anyone had the fun of striking it rich, but after the gold panning, we did have fun tasting wine at a local winery.”
The first quarter of our new fiscal year was busy with not only preparing for the Annual Meeting in San Diego, hosted by California Chapter, but finalizing plans for upcoming events for the Education Foundation.

We learned that our 4-hour short course for the West Virginia Science Teachers Conference is scheduled for 1 November in Martinsburg, WV. We are looking forward to meeting these teachers and introducing them to our hands-on activities.

The Executive Officers elected a new Board member to fill the position left vacant when Sally McLeod resigned. We are extremely pleased to welcome Bonnie Love, Editor of WorldWide Drilling Resource, to our Executive Board. We all feel she will be an excellent addition and plan to use her skills in many ways during the next several years.

A training session was again scheduled to take place after our EF Board meeting in San Diego during the National Annual Meeting, so several of the Directors were very busy gathering supplies and getting activities ready to be presented. Many of the activities were new and not yet written up into lesson plans, but all the National Representatives and guests attending the session enjoyed themselves and were able to take these new activities back to their Chapters with the CD which was prepared for every participant.
(EF Report, cont. from page 5)

The EF Board elected the four officers for the year: President Arloa Woolford, Vice President Ebony McGee, Treasurer Scotty Norman, and Secretary Jackie Dorr. Our new National Representatives are Georgene Robertson and Bonnie Love, both At-large members. During the business meeting discussions were held on ideas for our booth at MINExpo in September; who will be able to help at the West Virginia short course; and encouraging all the Board members to spend some time looking into doing short courses at other State Science Teacher Conferences.

A preview of some of the pictures from the three Nevada Chapter calendars were shown, and the photos are now in the hands of our Webmaster, Barb Robertson, to be added to the website. These photographs are intended to enhance our Career Activity as they show women from various mine sites at their jobs. The pictures certainly do create a lot of discussion in classrooms among students.

I was finally given our booth assignment for MINExpo and we are in the same area as some of the Universities as well as the National Mining Hall of Fame and Museum. As announced at the Annual Meeting, if any WIM member plans on attending the MINExpo, we would appreciate if you could donate a couple hours or so to man our booth. I would appreciate hearing from those who can help so a schedule can be prepared in advance. Please contact Arloa Woolford at wimer23@wmca.net.

The Education Foundation chaired the National Bylaws Committee during the 2011-2012 Fiscal Year, and has been given the Bylaws Committee assignment for the 2012-2013 year as well. During the National meeting, a review of Bylaws changes took place with a lot of discussion, and a final version is now being formatted and will be sent to all the Chapters for final approval. The addition of the Legislative Action Committee as an official WIM National Committee was the major revision to the Bylaws. ✤✤
The day’s activities ended when we traveled back down the mountain to Mission Bay. Everyone was encouraged to join us on the Bahia Bell Sternwheeler boat which provided a tour of the bay while watching the sun set, with live band music playing in the background.

Saturday from 7:00 AM until evening was filled with meetings. President Betty Mahaffey (CO) conducted Part 1 of the annual business meeting, which included committee reports, chapter reports, and a review of the National Bylaws. The Legislative Action Committee was added to the Bylaws as an official WIM National committee. Part 1 concluded with election of 2012-2013 officers: President Steven Tibbals (NV), Vice President Christine Granquist (CA), Treasurer Jann Higdem (A-L), and Secretary Hanna McNally (MST).

After lunch, Vicki White, “The Science Lady” was our guest speaker. “We were all ‘WOW’d’ by her science demonstrations involving electricity, fire, and huge bubbles”…Bobbi Meikel, Co-Chairman of the event exclaimed; “Vicki’s show is amazing!”
Part 2 of the meetings continued Saturday afternoon. President Steve Tibbals presided over establishing the budget for FY 2012-2013, appointing standing committee chair assignments, scheduling Board conference call dates, deadlines for National Quarterly committee reports, and discussion of the 2013 National meeting location.

That evening we had the honor of having Mr. Sterling White speak to us from the Bureau of Land Management - California Desert District. His message was about abandoned mines, how they are located and then made secure so that people will not be exposed to the potential danger of an abandoned mine.

“This year’s event ended well.” Betty Peters reported. “I know I felt content that everyone appeared to enjoy and appreciate what was provided.” The California Chapter would also like to acknowledge the strong financial event sponsors: Cal Portland Company, Mitsubishi Cement Corporation, OMYA, Rain for Rent, Rio Tinto Minerals and TXI Riverside Cement. We could not have done all of this without their support.

We are all looking forward to next year’s Conference which will be hosted by the Virginia Tech Chapter on April 25-27, 2013. If you have never attended a WIM National Conference, consider attending next year. There is a special bond between people who have things in common, such as an appreciation for the mining industry and those who are doing their part to make their company or organization successful. Keep up the good work! ✤ ✤
Denver Chapter’s President, Amanda Adams, is a Colorado School of Mines graduate with a degree in Geological Engineering. She is employed as a consultant for an engineering firm designing tailing storage dams, and her most recent project has been on a large copper mine in Peru.

Amanda proclaims, “Through my education at CSM and in my current position, I have encountered incredibly smart, talented and dedicated women in the Mining Industry. I am happy to say that there are more joining the ranks every day, but we are still a significant minority. I am proud to be part of WIM because I know that we are doing so much to help women in this industry, as well as educate people about materials they use every day, but often take for granted.”

Our April speaker was Dr. William W. Fleckenstein, PE BP Adjunct Professor and PERFORM CSM, Petroleum Engineering Department. Dr. Fleckenstein’s presentation was entitled “Drilling, completions and workovers for oil and gas in shale and other unconventional reservoirs.” His fascinating program gave us a better understanding of shale oil fracking techniques, including horizontal drilling.

On April 11, Scholarship Committee Chairman Karen Jass set up a luncheon meeting at CSM for any and all students who might be interested in applying for the WIM Denver Chapter Scholarship. Karen and several WIM members discussed WIM’s history and helped explain the procedures to apply for the scholarship, as well as the benefits to award recipients.
VIRGINIA TECH CHAPTER

2012-2013 Officers

President --------------------------------------------- Lynn Kern
Vice President ------------------------------------------ Libby Boccarosse
Treasurer --------------------------------------------- Tyler Daugherty
Secretary --------------------------------------------- Meredith Scaggs
National WIM Reps ------------------------ Tyler Daugherty & Chelsea Cady
Alternate --------------------------------------------- Nava Salehi
SEC Reps --------------------------------- Melissa Volkmar & Julia Delgaudio
GEM Coordinator --------------------------------- Linley Mescher
Advisors ---------------------------------- Dr. Emily Sarver & Kramer Luxbacher

Preparing for an underground tour of Alpha’s Deep Mine 26 last fall
UNIVERSITY OF KENTUCKY REPORT  
by Kathryn Gardner

The University of Kentucky Women in Mining Chapter had an eventful spring semester, in conjunction with many of the activities held by UK SME student chapter. Several of the more notable events included monthly meetings and fundraising events.

The group had several events throughout the semester which helped gain visibility and allowed new and old members to mingle with students from other organizations. The first event such as this was the Women in Mining and Kentucky Energy Club UK heating plant tour, where almost 40 students toured the coal fired UK heating plant and then listened to a lecture and Q&A session by an engineer at the plant the following day. This event was a huge success and allowed the chapter to gain visibility on campus, partnering with another club dedicated to non-biased education.

The next event held by the group was a session with a female professional engineer, Dr. Shannon Lusk, to discuss what it is like to be a female in a male-dominated profession. This event was advertised across campus, primarily in the engineering complex, and attracted several girls from majors outside of mining. The final large event held by the group was a tour to a zinc mine in Tennessee with the Nyrstar Company. This event had several students in attendance, and allowed mining students from the primarily coal based curriculum at UK to see a different type of mining.

In addition to the on campus events, the chapter had two members in attendance at the national WIM meeting, graciously sponsored by the California chapter for registration and housing. Each year, the chapter sees more interest from students in attending national events!

The group met several times throughout the semester, often after the SME meetings, in order to catch up on news and events that the group wanted to plan for the future. *Elections will be held in August in order to allow new students a chance to participate and to find those outside of mining engineering who are interested in a career in the mining and minerals field.* This academic year was a success due to the dedicated work by the participants, and the club hopes to grow in the fall semester! ❖❖

Katie Gardner and Toni Kendrick
The members of Nevada Chapter of Women In Mining have been busy since our new fiscal year began on 1 April.

New officers were announced at our April meeting held at the Toyiobe Café in Austin, NV on 21 April with the following elected: Eve Marie Hirt- President, Tinker Evans- Vice-President, Karen Battiest- Secretary, Stephen Tibbals- Treasurer, Ginger Peppard as National Representative and Scotty Norman as Alternate Representative. This follows an election process that took several weeks since we allow even the members that could not attend the meeting to cast a ballot.

Everyone enjoys the annual trip to Austin. Austin is a small silver mining town that has seen better days; just a wide spot on the Loneliest Road in America. We all love it because it has a good restaurant, it has a lot of character, and Austin has the best rock shops in America. We all arrived early so we could shop to our hearts’ content. I think they welcome our visits because of how much we purchase. Scotty and Arloa even take the opportunity to stock up on unique mineral samples and jewelry for the Foundation to auction off at the Silver Summit and other fund raisers.

(Editor’s Note: We’re really impressed that John Wayne attended the meeting, too!)

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On 14 April, many members were busy tending bar at the Annual Muley’s Dinner and Auction held at the Winnemucca Convention Center. The Muley’s is an organization that raises money to protect the habitat of Nevada Mule Deer. They work on projects, including the famous guzzlers (the springs and collection points that have been piped to storage tanks to provide long term year-around water for wildlife) throughout northern Nevada. The bar was a great success with everyone having a great time and lots of money raised for scholarships! We had several new members working the bar as well as some of our long term members and members of our community that like to come out and help. It is a great way for our members to come together for a good cause and learn more about each other. Stephen Tibbals was a no-show though. He felt that attending the annual McCaw School of Mines fund raiser in Las Vegas was more important. Since he is on the Board of Directors of McCaw this might be true, but we still missed him.

May 16th found several members on their way to San Diego, CA for the Annual National WIM meetings, this year hosted by the California Chapter. Members attending were: Arloa Woolford-WIM Education Foundation President, Christine Ballard, Ginger Peppard, Stephen Tibbals and his wife Sheree. In our judgment the meeting was a great success. The EF training session was enjoyable and educational, the meeting was well organized and the location was superb! All in all a very good conference. Our chapter is very excited that Stephen Tibbals has been elected President of the National Organization. We expect a lot from him.

One of the Nevada Chapter’s main goals in our fund raising efforts is to provide scholarships to students going into careers that are aligned with the mining industry. This does not mean we only support students going to four year colleges. We have tried in recent years to put a much bigger emphasis on vocational training and two-year programs. We also strive to give scholarships to the people that are in need of a helping hand more than just the student with the best grades. Our Scholarship Committee works hard to keep a balance on to whom we give these funds. This is not always easy because we have found it is hard to get the word out to people that potentially might need these scholarships, but we continue to strive towards this goal.

(cont. on page 14)
Nevada Report (cont. from page 13)

This year we gave three scholarships to students graduating from local high schools:

- **Quinn Norcutt** – Lowry High School will attend Boise State majoring in Mechanical Engineering.
- **Connor Wolf** – Elko High School, will attend Montana Tech majoring in Mining Engineering.
- **Ryan Zastoupil** – Elko High School, will attend Great Basin College, Elko, NV majoring in Diesel Technology.

The Scholarship Committee also awarded our annual Dan Harper Memorial Scholarship to a student attending the Mackay School of Earth Science and Engineering. This year’s recipient is David Byrnes, an Elko High School Graduate beginning his junior year majoring in Mining Engineering.

Our congratulations to each of our recipients and we wish them much success in pursuing their studies. We received numerous applications for all our scholarships so the committee had a hard time making our final selections.

Our next meeting is planned for July 14th to be held at Lake Tahoe as Stephen Tibbals has graciously invited us to his place there. 🌶️火花
On May 12, Christine Johnston and Karen Jass volunteered for Boy Scout Days at Dinosaur Ridge. The weather was a bit chilly; snowmobile suits were the outfit de rigueur, but the predicted rain did not appear! Nearly 100 volunteers at various stations shared their interest in geology, paleontology and mining with the Scouts. The WIM station featured display cases showing minerals used in everyday items (cosmetics, light bulbs, batteries, etc.). Another case demonstrated the role of mining in today’s green energy economy through the minerals required for the production of solar panels and wind turbines. The Scouts were also educated about careers in the mining industry, the important role that mining plays in our everyday lives, as well as activities that can be used to qualify for their Geology Badge.

In June we assisted the Boulder County Boy Scouts in a four-day-long Day Camp at the county fairgrounds. Our assignment was to present materials for the Geology Badge for the 8-10 year-olds. Karen Jass, with the assistance of Jackie Dorr, showed samples of and spoke about the three types of rocks, the difference between a rock and a mineral, and the rock cycle.

The scouts were then ushered outside to explore in sand boxes and collect their own samples. Next they were given hot glue guns and Styrofoam boards to assemble their own rock collection.

Finally, using a sample chart, the Scouts identified and labeled their rock collection. We conducted several of these one-hour sessions with rotating groups of Scouts during the day. Hopefully we put a spark into a future geologist! ✨✨
LEGISLATIVE ACTION COMMITTEE REPORT

Quite a few new bills have been introduced in the last few months that are minerals related. Others are waiting for committee hearings, and still others have passed. This report should make it easier for the reader to learn about each bill. For those who want to track their progress, merely return to the links at your leisure. Sharing of this information is encouraged, as is individually contacting your representatives.

**S. 2245**: Preserve the Waters of the United States Act. A bill to preserve existing rights and responsibilities with respect to waters of the United States.

**S. 2300**: A bill to allow for a reasonable compliance deadline for certain States subject to the Cross State Air Pollution Rule.

**S. 3053**: EPA Regional Oversight Act of 2012. A bill to require Regional Administrators of the Environmental Protection Agency to be appointed by and with the advice and consent of the Senate. Sen. Inhofe explains the need for this bill and adds another video in preparation for the 6/6/12 Committee Hearing.

**S. 3080**: A bill to eliminate certain subsidies for fossil-fuel production. Sections 4 & 7 on coal.

**H.R. 4304**: Defense of Environment and Property Act of 2012. To clarify the definition of navigable waters, and for other purposes.

**H.R. 4381**: Planning for American Energy Act of 2012. To direct the Secretary of the Interior to establish goals for an all-of-the-above energy production plan strategy on a 4-year basis on all onshore Federal lands managed by the Department of the Interior and the Forest Service.

**H.R. 4382**: Providing Leasing Certainty for American Energy Act of 2012. To ensure Federal oil and natural gas lease sales occur, eliminate redundant leasing bureaucracy, and provide leasing certainty.

**H.R. 4383**: Streamlining Permitting of American Energy Act of 2012. To streamline the application for permits to drill process and increase funds for energy project permit processing, and for other purposes.

**H.R. 4387**: To allow for a reasonable compliance deadline for certain States subject to the Cross-State Air Pollution Rule.

*(cont. on page 17)*
(Legislative Report, cont. from page 16)

**H.R. 4396**: Forest Stewardship and Fire Fuels Reductions Act of 2012. To extend Forest Service and the Bureau of Land Management stewardship end result contracting authority, and for other purposes.

**H.R. 4402**: National Strategic and Critical Minerals Production Act of 2012. To require the Secretary of the Interior and the Secretary of Agriculture to more efficiently develop domestic sources of the minerals and mineral materials of strategic and critical importance to United States economic and national security and manufacturing competitiveness. Supported by NMA.

**H.R. 4965**: To preserve existing rights and responsibilities with respect to waters of the United States, and for other purposes.

**Bills Passed**: H.R. 910 and H.R. 2401

**Bills still awaiting Committee action**:
- S. 228 and H.R. 750
- S. 482
- H.R. 3697
- H.R. 1579

**Other related news**:
* Asarco wants its $220 billion in EPA settlement voided, particularly as the DOJ is investigating EPA.
* EPA’s Jackson won’t attend Congress Hearing on Arch Coal’s Mine Permit
* EPA announces fine particulate matter and soot pollution standards.
* President Continues War on Mining and Other Resource Industries. Mining companies
* The National Renewable Energy Laboratory released a report on the renewable energy project developers grant program from the grant’s inception in 2009 through Nov. 10, 2011. Astounding $ to job ratio.
* WHO declares diesel a carcinogen after miner study shows lung cancer link.
* DHS releases a report on its role in Environmental Justice based on E.O. 12898.

**WIM National Legislative Action Committee members**: Jann Higdem (chair, At-Large-ID), Georgene Robertson (At-Large-WV), Patti Deer (CA), Serena Carlson (At-Large-ID), Wenona Fosselman (At-Large-IN). Have news? We’d like to know. ✫ ✫
2012-2013 WIM NATIONAL OFFICERS and COMMITTEES

National Officers

President-----------------------------Stephen Tibbals (Nevada Chapter)
Treasurer--------------------------------Jann Higdem (At-Large)
Vice President ---------------------Christine Granquist (California Chapter)
Secretary-----------------------------Hannah McNally (MS&T Student Chapter)

Committees

ByLaws---------------------------Educ. Foundation
Finance-----------------------------Nevada
Historian--------------------------Missouri S&T
Legislative------------------------Jann Higdem, A-L
Membership-------------------------At-Large
National Quarterly----------------Denver
Public Relations-------------------California
The next National Quarterly will be published October, 2012

Chapter Reports are due September 15, 2012

Lead Story Assignments:
October Issue — At-Large
January 2013 Issue – MS&T
April 2013 Issue – Denver