Coal Education Development and Resource
CEDAR
By Georgene Robertson

CEDAR has just completed their eleventh year in southern West Virginia. Over the eleven-year period, CEDAR has provided 457 teachers with approximately $116,385 in grant money to utilize in their classroom teaching about the many benefits coal has to offer. More than 12,370 students have been involved in these coal study units in Mingo, Logan, Boone, McDowell, and Wyoming Counties.

At the eleventh Regional Coal Fair, 241 projects were on display from students in K-12 grades demonstrating their understanding of how coal is formed, mined, and transported, as well as how the industry affects their daily lives. Over the eleven-year period, 4,170 projects have been created at the local school level. A total of $63,389 in cash prizes have been awarded to students for performance, and $15,832 in cash prizes have been awarded to the school coal fair coordinators (teacher designated by school principal). Exhibits were entered in seven categories: Art, English/Literature, Math, Music, Science, Social Studies and Technology/Multi Media. Each category is split into three grade levels: K-4, 5-8, and 9-12. In addition to the cash prizes awarded, the students gained a hands-on education in coal and found pride in their strong coal heritage.

(continues on page 2)
During the week of April 30 – May 4, 2012, approximately 800 visitors toured the projects at the Harless Community Center in Gilbert. Bus tours were scheduled from the participating counties to tour the projects on display. Several winning CEDAR students presented their projects for Tug Valley Mining Institute attendees. John Eaves, Arch Coal President & CEO, addressed the Tug Valley Mining Institute meeting on Thursday night and discussed the global coal market and Arch’s production in the eastern United States.

To date, CEDAR and Southern West Virginia Community and Technical College have awarded $70,000 in scholarship monies to students from the participating counties.

CEDAR of Southern West Virginia, Inc., is an all volunteer, not for profit corporation which began as a partnership between the Coal Industry, Business Community, and Educators, and was created with the purpose of improving the image of the coal industry. Board members include Gary L. Bennett, John B. Earles, Chris Hamilton, Steve Hopta, James Milam, Phillip G. Montague, James M. Mullins, Georgene Robertson, Wilma Zigmond, Bud Clapp, Troy Andes, Brian Varney, Mike Mitchem, JoAnne Tomblin, and Marty Petrunyak. Helen Curry is the Coal Study Unit Manager, and Debbie Mudd is the Coal Fair Manager.

CEDAR is working toward securing coal’s future TODAY by educating our leaders of TOMORROW! For additional information about CEDAR of Southern West Virginia, Inc., call Georgene Robertson at 304-792-8433.
FROM THE PRESIDENT
Stephen Tibbals

Well, the seasons are moving on and summer is over. I have attended several lectures recently on the state of our economy and it appears that significant work needs to be done to get America back on track. Central to this is bringing back our basic industries that supply jobs and wealth to our country.

With school starting, our job in Women in Mining is more important than ever. The education of our children and the general public on the importance of minerals in our everyday life is core to keeping America on an even playing field with the world and to helping bring back our economy.

I would encourage all of you to look for opportunities to present the facts on how important mining is to the core of our economy and our country. Whether it is presenting one of the educational activities on mining and minerals in our schools, talking to groups or individuals about minerals or raising money for scholarships, all of these things are important.

One of the things that is becoming clear to me as a member of WIM is, the most important thing we can do is to get out and tell people about mining. Talking to them about what we do and how important mining is to our country. It is important for us all to identify ourselves as members of WIM and talk frankly about the pros and cons of our industry. People need to have all the facts and we are uniquely qualified to explain to them that mining is an important part of our economy and that our mining companies are responsible corporate citizens. We need to counter the concept that we are poor environmental stewards when in fact we are just the opposite!

As I talk to people about WIM I get quite a few strange glances. Why is a man the President of WIM National? Good question and I always have a good answer: because WIM is a great organization working for the mining industry, not any specific agenda. I want you all to know that I am very proud to be the president of this organization and I always try to represent WIM in a positive and progressive light. The work we do is important and we all need to get out and spread the word.
CALIFORNIA CHAPTER REPORT
By Betty Peters

Two days after members of the California Chapter of WOMEN IN MINING said goodbye to new and renewed friends at the WIM National meeting in San Diego, four members were on flights heading for Sacramento: Darlene Bray, Jackelin Simmons, Julia Bonser and Vicki White, with Carol Berry joining them. They all agreed to handle a WOMEN IN MINING booth at the “State Scientists Day.” The event is put on by the California Association of Professional Scientists and the location was on the West Steps of the California State Capitol building. This was their 24th Annual event bringing people from a variety of industries together to staff booths where they could teach 4th, 5th and 6th grade students about their industry and how important science is to their success. There were close to three thousand students in attendance, moving from booth to booth in large clusters.

At the WIM California Chapter booth, students were led through the process of what it takes to make toothpaste. They were taught what minerals are included in toothpaste and the value of all of its ingredients. Also explained was the importance of mining which for most students is an unfamiliar industry. This included how rocks and minerals are used in everyday life, and how they contribute to keeping us healthy. This event is a great way to expose young students to the mining industry and its importance.

(cont. on page 5)
Old mining towns charm everyone and just off the I-15 freeway past Barstow the mountains on the left contain a huge “C” which stands for Calico, a famous California “ghost town.” If you are like me, you often have said “Someday I’ve just got to go up there!” Well, WIM made the trip up the hill on Monday, June 11th and had the pleasure of touring the town as well as the Maggie Mine, which was an active silver mine in its productive days. After the tours we enjoyed a dinner and held a brief business meeting. We enjoyed hearing the history of the town which began in 1881 during the largest silver strike in California. With its 500 mines, Calico produced over $20 million in silver ore over a 12-year span. When silver lost its value in the mid-1890’s, Calico lost its population. The miners packed up, loaded their mules and moved away - abandoning the town that once gave them a good living. It became a "ghost town." Walter Knott purchased Calico in the 1950’s, architecturally restoring all but the five original buildings to look as they did in the 1880’s. Calico received State Historical Landmark 782, and in 2005 was proclaimed by then-Governor Arnold Schwarzenegger to be California’s Silver Rush Ghost Town.

A new WiMette! WIM California is proud to announce that we have the youngest WIM Member of any other Chapter (that we know of). On August 12th, Desirea Haggard, P.E. Environmental Manager CalPortland Company, gave birth to Hannah Pearl Haggard. A little over three weeks before this eventful day, we had gathered at the CEMEX plant in Victorville and surprised Desirea with a really fun baby shower. We have great plans for little Hannah, but we will give her a few years before we identify all of our expectations. 😊
While the Education Foundation did not have any scheduled events during this past Quarter, many Directors have been gearing up for the next couple of months which will be extremely busy.

The National Bylaws approved at the Annual Meeting in San Diego, CA were sent out to each Chapter and the At-large representatives on 17 July 2012, with a deadline of 15 October 2012 for the ballot included with them to be returned. As of the end of September, one response has been received, so another reminder will go out.

The 2012-2013 budget for the Foundation was approved by all the Directors. The books were audited and found to be in good shape. Work is now being done to update information that goes out with our grant applications, and once that is completed several grants will be submitted.

The EF decided to go with a Highlighted Directory Listing for this year’s MINExpo 2012, and we are hoping this increases the foot traffic to our booth. Many WIM members as well as students from our Student Chapters have agreed to spend some time staffing our booth. This is greatly appreciated, and since our booth is in the same location as many of the mining universities it will give us a chance to hopefully get more schools interested in forming Student Chapters. We also were able to secure a free ad on MiningConnect (so check out the site!) and an Invitation to visit our site was placed on the home page of our website.

We have already received several offers of donations for items for the Silent Auction at the October Silver Summit in Spokane, WA. Scotty Norman and I will travel there to staff our table and take bids. Jann Higdem will also be there and available to help us.

Bonnie Love, Georgene Robertson and Arloa will travel to Martinsburg, WV, on November 1st to conduct our short course.

The EF Board will continue reviewing and updating the WIM National Policy and Procedures in order to have them ready for acceptance at the next Annual Meeting in Virginia in April 2013. Our hope is to make them easier to understand for not only those on the National Board, but every member.
NEVADA CHAPTER REPORT
By Ginger Peppard

On July 14, 2012, we held our third quarter meeting at Lake Tahoe, CA, thanks to our gracious host National President Steven Tibbals who opened up his home for a meeting and BBQ. Even though we had to cross state lines, we got to spend the afternoon celebrating because it was also Steve’s birthday. Only a handful of our 31 members were able to make the trip to Lake Tahoe, but some important business was discussed at the meeting.

Nevada WIM members enjoying their July meeting at Lake Tahoe. L-R: Karen Battiest, Mary Porter, Wendy Weiss, Steve Tibbals, Roberta Rothwell and Arloa Woolford.

The biggest news is that, due to personal reasons, our chapter president EveMarie Hirt submitted her resignation for the position in June 2012. At the July meeting, nominations for a new chapter president were discussed with a member vote taking place shortly after. Congratulations to Scotty Norman who was elected chapter president for the remainder of Eve’s original term. In addition, the chapter is busy trying to plan a field trip for its members to experience some of what rural Nevada has to offer – possibly touring an active gold mine and taking in a performance at the historic Eureka Opera House. The chapter has also decided to increase the value of some of the scholarships that we offer every year, and increase our efforts to make students aware of the availability of these scholarships by creating an informational flyer that will be distributed at key events, such as career fairs.

On July 24, Arloa Woolford and Karen Battiest attended the Earth Science Workshop that is hosted by the Nevada Mining Association (NvMA) and the Nevada Division of Minerals. This year, the northern Nevada session was held at Bishop Manogue Catholic High School in Reno, NV. The goal of these workshops is to educate active K-12 Nevada teachers about the earth sciences, the importance of mined materials, and the role that mining plays in our lives. The event is divided into various sessions based on mining and mineral related topics and grade levels in order to maximize the amount of applicable material teachers can learn and share with their colleagues. Throughout the event, educators are encouraged to discuss their knowledge of earth sciences, language arts and social sciences with one another, develop lesson plans for their respective grade levels and deepen their understanding of the vital role minerals play in today’s society. Teachers can receive professional development credit for attendance.

( cont. on page 8)
Karen and Arloa attended a portion of the workshop and spent that time visiting several classrooms so Karen could observe the various activities being conducted in the sessions. Karen was able to talk to a teacher in the minerals education session (conducted by Bill Durbin, Chief of the Southern Nevada Operations, Division of Minerals), who told Karen that she was a social studies teacher who was going to have to teach science this year and she knew nothing about it! An example like that reinforces the importance of the workshops in providing valuable educational tools to Nevada’s teachers. Arloa was also able to visit with many of the long-time members of the NvMA Education Committee who had worked with her for many years while she sat on the committee.

Luncheon entertainment was provided by Katie Neddenriep, Barrick Gold’s Community Relations Specialist and current Chairman of the NvMA Education Committee, and Sam Mascaluso, a retired teacher from the Reno area who is also a long-time member of the Education Committee. Their presentation, using a few entertaining costumes and props, depicted how safety has developed over the years in the mining industry and served as an introduction to mine safety for all the educators in attendance who would be visiting various mining operations the next day during the field trip portion of the workshop.

On September 8th our Bar Committee hosted a bar for the spaghetti dinner which was held for the Humboldt County Republican Central Committee…with windy weather (it was our first outside bar in years!) and a pretty low turnout for the event, our proceeds weren’t record setting but it let me, co-chairperson of the Bar Committee, get my feet wet managing a bar. In addition, we’ve got another bar scheduled in late September for the Newmont Service Award Banquet. This should be just enough practice for me before the busy holiday season starts! Our next meeting is scheduled for October 20th to be held in Battle Mountain, NV.
DENVER CHAPTER REPORT
by Resa Fury and Karen Jass

During the summer months the Denver Chapter of WIM does not hold regular meetings, rather we look to board meetings and tours as a way to continue our education efforts and interactions. The board of directors met on Saturday, July 7, at the home of Jackie Dorr for the quarterly board meeting.

On Saturday, July 14, eight WIM members and family members hiked the National Natural Landmark Dinosaur Ridge (formerly known as Rooney Road or the Dakota Hogback) to learn from new member Nicole Peavey about trace fossils and bones in the hogback’s rock formations. Nicole is a paleontologist with SWCA Environmental Consultants and is also a new volunteer at Dinosaur Ridge.

This immediate area was once a quarry where the first Stegosaurus was ever discovered. We looked at several different types of dinosaur footprints, and traces left from beach sand waves, worms and plants. After nearly 3 hours of hiking and visiting various geologic stations along the path, we went back down the hill to enjoy lunch.

Continuing the day, a smaller WIM group headed to Colorado School of Mines for our private tour of the “new” CSM Geology Museum. Our guide, chemistry student William, did an excellent job of showing off the particularly nice crystal samples in the museum, explaining the background of some of the exhibits and answering our many questions. The room with all the good stuff: gold samples from around the world, the REALLY nice crystals, an awesome rhodochrosite necklace, and of course WIM members!

(cont. on page 10)
On August 25, WIM members and guests toured the Cross Gold Mine in the Caribou District above Boulder. Our guide was owner Tom Hendricks, who recently celebrated his 41st year at this mine, now as VP of Calais Resources. For the last two years, he has had seven miners working for him and is producing gold ore which he now ships to Washington state for processing. In the near future he intends to construct an on-site mill to extract the gold, silver, copper and lead from the mine’s ore and avoid the extreme costs associated with shipping the ore.

The Caribou District is extremely faulted, running through Precambrian gneiss and schist rocks that allowed mineralizing fluids to deposit all types of goodies within the calcite veins (which contain the gold and other minerals) and produces extremely good water quality. There are magnetic (iron) dikes throughout the area. Drilling has indicated that the gold content in the veins increases at depth – so the metal production (gold, silver, lead, copper and zinc) potential for this mine appears to be quite good.

The WIM tour was held in conjunction with the Gold Prospectors of the Rockies group. The tour began with a lecture on the history of this mine and historical mines in the area, and of the local geology. Tom also spoke about his great working relationship with Boulder County, and the enormous amount of time spent doing paperwork as a working, regulated mine.

Finally, several members of the WIM Denver Chapter attended MINEexpo 2012 in Las Vegas. The conference attracted more than 57,000 people from the global mining industry!
Member Recognition
We’d also like to acknowledge the achievements of the following members who are being recognized for awards or significant professional or personal accomplishments:

Christine Ballard – accepted a new position with Golder & Associates. She has been a temp with the company since May but accepted the full time position as Staff Graduate Geological Engineer in August. This new position allows her to use her graduate school education and work on projects that focus on slope stability analyses, building on her previous experience which primarily focused on estimating precious metal resources.

Jesse Danner, Equipment Operator/Trainer and Ginger Peppard, Environmental Specialist (both from Goldcorp Inc./Marigold Mining Company), along with another co-worker, are being recognized for facilitating the training of 75% of the female workforce at Marigold through Goldcorp Inc.’s new program, Creating Choices. This program focuses on self-esteem building, goal setting and public speaking/presentation skills. It is the first training, development and mentoring program in the mining industry that is developed specifically for women. Participants included many of our chapter members who are employed at the Marigold Mine: Ann Barnett, Valoree Burke, Karen Cook, Linda Elliot, Darla Heagarty, Lori Petersen, Monica Standaert, Joanne Stursa, Rebecca Trakas and Kathy Walter.

Tammy Harding, Senior Safety & Health Coordinator, Goldcorp Inc./Marigold Mining Company, was awarded the Nevada Mining Association’s Safety Professional Award for 2011.

Scotty Norman, Office Manager/Accountant, MI Swaco – was elected President of the Nevada Chapter of Women in Mining.
# CALIFORNIA ITEMS FOR SALE

PLEASE CONTACT KARLA BROWN

760/780-9535

kbrown@txi.com

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# BOOKS FOR SALE

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All Chapters are invited to share their WIM-related sales items

Polo Shirts
Features the WIM logo, but not chapter-specific—great for everyone! Cost is $22 plus shipping. Contact Denver Chapter Sharon Kirts at skirts4@Q.com for colors and sizes.

Bumper Stickers
$3 each plus shipping. Contact Denver Chapter Jackie Dorr at dorr@smenet.org.
Legislative Action Committee Report

A few new bills have been introduced in the last few months that are minerals related, while many wait for committee hearings. Only one minerals bill has passed since the July National Quarterly. To track progress on any bill, merely return to the links at your leisure. As the 112th Congress ends in January, expect many of these to either pass or fail before then. **Sharing of this information is encouraged, as is individually contacting your representatives.**

Recently Introduced & Referred:

- **S. 3356 & H.R. 6038**: Global Conservation Act of 2012. To strengthen the role of the United States in the international community of nations in conserving natural resources to further global prosperity and security.

- **H.R. 2541**: Silviculture Regulatory Consistency Act To amend the Federal Water Pollution Control Act to exempt the conduct of silvicultural activities from national pollutant discharge elimination system permitting requirements.

- **H.R. 3467**: A bill to establish a moratorium on aerial surveillance conducted by the Administrator of the EPA.


- **H.R. 4278**: Preserving Rural Resources Act of 2012. To amend the Federal Water Pollution Control Act with respect to permit requirements for dredged or fill material.

- **S. 3500**: A bill to amend the Endangered Species Act of 1973 to establish a procedure for approval of certain settlements.

- **S. 3512**: Coal Ash Recycling and Oversight Act of 2012. A bill to amend subtitle D of the Solid Waste Disposal Act to facilitate recovery and beneficial use, and provide for the proper management and disposal of materials generated by the combustion of coal and other fossil fuels.

- **S. 3514 & H.R. 6113**: A bill to repeal a limitation on annual payments under the Surface Mining Control and Reclamation Act of 1977.

*(cont. on Page 15)*
Still Waiting in Committee:

S. 228 & H.R. 750: Defending America’s Affordable Energy and Jobs Act.


S. 2245 & HR 4965: Preserve the Waters of the United States Act.

S. 2300 & HR 4387: 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.

S. 3080 & HR 5745: A bill to eliminate certain subsidies for fossil-fuel production.

(Sections 4 & 7 on coal.)


To clarify the definition of navigable waters, and for other purposes.


S. 2245 & H.R. 4965: To preserve existing rights and responsibilities with respect to waters of the United States, and for other purposes.


Passed House or Senate:


Related Issues in the News:

In June, the US Court of Appeals for the District of Columbia’s 82-page decision rejected more than 60 industry and state challenges to the EPA’s limits on greenhouse gas emissions.

In July, past WIM President Adele Abrams published an MSHA-related article “When is an accident ‘immediately reportable?’ A judge weighs in…”.

A 116 pg. report from the House Committee on Oversight & Reform in July says the current Administration has imposed regulations/rules that are visibly hurting businesses, jobs, and the economy.

The U.S. Court of Appeals ruled in Aug. that the EPA exceeded its statutory authority when it issued rules that would shut down many coal-fired electric utilities and industrial plants.

9/11/12: Energy & Commerce Committee held a hearing on H.R. 4255, the Accountability in Grants Act of 2012, regarding the grants EPA issues to non-U.S. entities.
The next National Quarterly will be published January, 2013

**Special Report on the WIMEF Booth at MINExpo**

Chapter Reports are due December 15, 2012

**Lead Story Assignments:**
- January 2013 Issue – MS&T
- April 2013 Issue – Denver