As I look back on the 27 years that I have been a member of the WIM California Chapter, a sense of pride sets in. I remember that the California Chapter was about to close when one of the women officers at U.S. Borax (now Rio Tinto Minerals) learned about the WOMEN IN MINING organization and decided to check it out and see if it was worth getting involved with. That was in 1994. After attending the National Meeting of WIM she returned determined to re-start the California Chapter and promote it every way she could with co-workers who were also officers in the company. The word got out describing the overriding goal of WIM; to educate both the members and the public about the mining industries.

The California Chapter began training members and the word got out to educators that we were available to come into the classroom and teach young students about how minerals are used. Our membership numbers grew and as members began going into schools their company leaders were told about the success of their efforts. They supported any time away from the job that a WIM member took which resulted in young students understanding the need for mining. The education WIM provided was valued by educators and students, as well as the company leaders.

We need to reintroduce company leaders to what WIM is doing. Volunteering for something that takes them away from their job can be discouraged, but when you think about the big picture and see that young lives are being introduced to mining and how valuable minerals are and how they are needed in our daily lives, it is worth the time and effort!

As WIM members, we need to tell people what is being accomplished and to encourage them to share this information with company leaders. It is hard to respond to a teacher that out of 50 or more members none could take the time away from their job to go into the classroom and educate their students. May I suggest that all Chapters share how this issue can be addressed with your members and let's prepare new and old members to take that step into a classroom filled with excited young people with the full support of their company.

Arloa Woolford recently passed away, and for more years than I have been a WIM member, Arloa was the ultimate volunteer. She led the WOMEN IN MINING Education Foundation and worked hard to promote WIM and obtain funds to support educational efforts related to mining. She can be considered as one of our examples of a dedicated volunteer and she will be missed.
The 2017 WIM National Meeting will be held April 20 -22 in the San Antonio/New Braunfels area of Texas. The most convenient airport is San Antonio (SAT). The schedule includes a reception on Thursday evening, tour and other events all day Friday, the business meetings on Saturday with a riverboat dinner cruise on Saturday night.

We are looking forward to seeing everyone and sharing the Hill Country of Texas with you. If you haven’t sent in your reservation yet, please do so now. Meeting and lodging information and forms are found on the WIM homepage: http://www.womeninmining.org/

Questions?
Donna Thornton and Kim Dennis
Texas Chapter of WIM
FROM THE PRESIDENT
Stephen Tibbals

There have been two things on my mind lately and both are important. The first is the passing of Arloa Woolford. Arloa was a friend to us all and one of the Stalwarts of our organization. In Nevada, Arloa was called the “Keeper of the list”. She had files on everything and she seemed to remember everything. I am sure you will see several articles in this Quarterly talking about what an important part of the organization she was. What I wanted to say is, she was one of my best friends and the person that got me into this organization. She was a good friend, even though we fought a lot, and she always had my back. The only one she ever went to in order to complain about me (that I know of) was my wife, and Arloa gave her both barrels when she was mad at me. The point is we were family and to be truthful, if you are part of WIM then you were part of her family as well. She will be missed.

The second thing of note is the upcoming National Meeting in New Braunfels, TX. New Braunfels is a German town famous for its amusement park and historic German districts. Our National Vice President, Donna Thornton, lives in the area and her employer, Martin Marietta, is a big supporter of WIM. The meeting should be a good one with interesting tours and a variety of activities. The business meeting will be important because, believe it or not, the loss or Arloa will have a big impact on both WIM National but also, and even maybe more profound, the WIM Education Foundation. It will be interesting to see how everything shakes out. We are also in an important time in our history because people’s desires on what the organization should do and how best to represent Women in Mining has been questioned lately. Now is the time for everyone that is interested to come together and try to make an impact on the organization as it goes forward.

If you are interested in attending the National Meeting, go on the WIM website for all the information (www.womeninmining.org). Everyone is welcome at the meeting and it is a great place to come visit!
The Planning Committee meetings for the National Meeting are ongoing.

Members staffed a booth at the San Marcos STEM Fair where students were able to make toothpaste and pet rocks.

TEXAS CHAPTER
2017-2018 Officers:

President – Kimberly Dennis
Vice President – Donna Thornton
Secretary – Brandon Howard
Treasurer – Cynthia Fine
National Reps: Donna Thornton, Kimberly Dennis and Pam Danner (alternate)
We have lost a dear, dear friend. Arloa Woolford passed away in her sleep in January. Many of us will remember her as being the toughest, most resilient person in our lives. We joked that she was held together with titanium plates and surgical glue – and that wasn’t far from the truth! She was on a first-name-basis with elected officials everywhere from the U.S. Senate down to the local dog catcher. She was not shy about letting them know her views on issues she felt strongly about, and they respected and listened to her.

Arloa had been a WIM member since the mid 1980’s with both the Nevada Chapter and on a National level. In 1993, Arloa was part of the team that formed the 501(c) 3 Women In Mining Education Foundation to act as the educational arm of Women In Mining National, a 502(c) 6. She became the first President of WIMEF, and served in that capacity ever since. Under her guidance, Foundation members personally introduced minerals education to more than 20,000 educators, while also distributing free packets of classroom activities and information to an additional 85,000 in the education field. The materials and activities found on the website have been downloaded by thousands of visitors.

Thank you, Arloa, for all you gave to us personally and professionally.
The fall semester came to an end at the University of Utah and the WIM group held several exciting events. First, a holiday party where students gathered to grow their own crystal ornaments while drinking hot cocoa.

The WIM Chapter also held a field trip to Morton Salt where we learned about the salt mining industry.

The members participated as “geology experts” at a “rock adoption” event held by the Leonardo Museum in Salt Lake City. In addition, a “Night at the Museum” event was held where we were able to have a behind-the-scenes experience and a guided tour from the resident expert on the mineral displays at the Utah Natural History Museum.

The spring semester is off to an exciting start! WIM members held a movie night where we joined together to see the “Hidden Figures” movie. We were so inspired by the powerful film! In February, we enjoyed a guest speaker, Elizabeth Larsen, an Engineer Project Manager, who spoke on “Early Career Development.”

In the coming weeks the WIM group will be going on a tour of Monsanto’s Phosphate Plant in Soda Springs, Idaho. In addition, the end of year lunch-in will have a guest speaker, Perrin Slepsky from Newmont Mining Corporation.
This semester has been hectic, but exciting, as we are planning a new event. We have still kept the typical tours and have discussed more work with local middle schools, such as rock kits and class discussions.

February 24th: The Rolla Experimental Mine has several tours a year with various counselors and teachers interested in learning about our school, program, and purpose. This year our WIM chapter has already had the pleasure of hosting one group, which was enthusiastic and excited to learn about explosives. Before the tour began, many of the questions were directed at jobs associated with blasting and mining, such as ease of entering the field and types of ore compared to locations. There were also numerous questions as we went into the explosives demonstration portion of the tour. Many were inquisitive about how to use explosives safely and if the market was substantial. Lastly came the tour of our new building, which sadly is not in use quite yet. Everything is in the final stages and will be open for classes, hopefully, by April.

We are delighted to announce plans for our first Mine Open House on April 19th. The Experimental Mine will be open all day to the students of Missouri S&T for tours, explosives demonstrations, organization booths, and club activities. Our student chapter is hopeful this will intrigue students to learn more about mining and explosives while our entire department is excited for possible recruits.
DENVER CHAPTER REPORT
by Lois Brooks

WOW! There was such a great turnout at the SME / WAAIME / WIM Women’s Breakfast during the SME and CMA annual convention here in Denver on February 21. More than 150 people gathered to learn and participate in the session. The Women’s Auxiliary to the AIME was celebrating its 100th Anniversary and had members and our own Karen Jass to speak to the highlights of how WAAIME has served our industry and country. I gave a brief introduction to WOMEN IN MINING and what we are and what we offer. I also introduced WIM’s National President, Stephen Tibbals, who was in from Nevada for the conference.

Beatrice Opoku-Asare, Director of Diversity and Inclusion for Newmont, spoke engagingly to the group about her experiences and identifying our “super power” to achieve our goals and aspirations, and combine it with other peoples superpowers to be more. Vicki Seppala, Director, Corporate Health & Safety at Freeport-McMoRan, addressed the subject of mentoring and "walking the talk" on mentoring, and encouraging talent.

The discussions at the tables then segued nicely into mentoring – if and how we have been mentored, what mentoring programs have we been a party to, and how did these efforts work and benefit? Volunteer mentors were scattered about the tables by the organizing committee and were assigned the task of getting the discussion going and taking notes. As so often happens, we ran out of time for a full discussion, but everyone was encouraged to find ways to identify a mentor or identify someone who is seeking some mentoring.

Special thanks to Karen Jass who spent countless hours during the past year researching and documenting the history of WAAIME. She also brought and shared a photo of the SME Women’s Breakfast photo of attendees from 1999 – all 15 in attendance! What a contrast to the event today.

This is an event WIM will want to participate in each year.
Denver Chapter Dinner Speakers:

January 18
Paul D. Chamberlin, a specialist in the assessment of projects and acquisitions and technology, process audits, process design, preliminary engineering and cost estimating, spoke on metals and metallurgy.

February 15
Rob Robinson. After retiring from BLM, Rob and other engineers were invited to Guatemala to evaluate various technical issues concerning four operating and proposed foreign owned mines in Guatemala. He spoke on the ongoing work in Guatemala.

March 15
Dick Ummel, an expert on the history of mining in Colorado, presented a lively discussion about how mining developed in Colorado and touched on the role that women played in the process.

DENVER CHAPTER
2017-2018 Officers:

President – Lois Brooks
Vice President – Kristina Huss
Recording Secretary – Eileen Sullivan
Corresponding Secretary – Jackie Dorr
Treasurer – Brenda Steele
National Reps: Resa Furey, Betty Mahaffey
Nyssa Loeppke, Linda Brown, alternates
The Nevada WIM Chapter is sad to announce the passing of Arloa Woolford. Arloa will be remembered throughout the chapter as one of the most active and energetic members, always willing to get involved in our activities and keep us on track. From her presence at the Nevada bartending events to keeping the national organization focused on the principals WIM was founded on, she will be greatly missed as a friend and mentor to us all. Arloa went above and beyond what was expected. We already miss the emails from her reminding us of events coming up, from Winnemucca convention center updates to the goings on with UNR mining and geology departments.

Please keep Arloa’s family in your thoughts. The service will be held later this spring.

The chapter has been involved in several events so far this spring, including bartending for the “Shooting the West” photography symposium. STW has many of the biggest names in photography in attendance, with guests from photojournalism, photo-documentary, commercial, portraiture, nature, natural scenery, fine arts, and other various fields. We tended bar at two separate functions for this symposium.

March 16th had the group bartending at the Turquoise Ridge Joint Venture Dinner, which is a Barrick operation. We had several members helping out at the event. Additionally, in the beginning of February the group tended bar at the Florida Canyons New Beginnings party to celebrate its new ownership.

Upcoming events include the Nevada Muleys Dinner in the end of April, which is one of the largest bar events that we do all year.
CALIFORNIA CHAPTER REPORT
By Betty Peters

WIM CALIFORNIA TEACHING

On Friday, January 27 at Victor Valley College in Victorville, Joyce Fitzgerald and Christine Jones led an event that is put on by the American Association of University Women. The name of the event is "Celebrating Women in Mathematics and Science" and the local schools brought in 8th and 9th grade students. They were exposed to career choices that require a degree in Math and/or Science. Joyce and Christine gave a message on minerals and their importance to society and then the participants did the Cookie Mining exercise. Students enjoyed the presentation and expressed that to Joyce and Christine.

On February 4th and 11th members of WIM California and leaders in Project Cornerstone, Crystal Howard and Jamie Metivier, presented mining and mineral information to middle school and elementary teachers on the science and economics of the natural resources used in producing concrete. This workshop provided rock solid tools and hands-on activities to implement in the classroom that will keep students engaged and excited about learning science, technology, engineering, math (STEM), history and economics. Events at both Buena Park High School and the San Diego County Office of Education were a great success and the teachers learned a lot of valuable hands-on STEM activities that they can take into their classroom that also provide a positive outlook on our industry.

(cont. on next page)
On Thursday, February 23rd the Mojave Environmental Education Consortium along with WIM California invited K-12 grade High Desert Educators to a special workshop designed to equip teachers with the tools necessary to teach their students about everyday products that are made from minerals, such as toothpaste! Desirea Haggard and Karen Johnson showed teachers how a “marketable” toothpaste is made and they also provided the Chocolate Chip Cookie Mining exercise. They learned about mining practices through the hands-on activity. Participants also received a mineral kit to take back to the classroom to share with their students!

On March 11th and 12th Gena Oliver and Juanita Czupor had a WIM California Chapter booth at the Turlock Gem and Mineral Show held in Northern California at the Stanislaus Fairgrounds in Turlock. They were able to introduce participants to various minerals and to show them how a rock can turn into a product like toothpaste. They were there along with other participants showing fossils, jewelry, beads and supplies.
WIM CALIFORNIA MEETINGS

On January 12, a WIM California meeting was held at CalPortland in Colton. This meeting was designed to bring attendees up-to-date on the status of various teaching opportunities for the membership and to seek participants. The Nominating Committee also presented a list of potential officers for the new year and a vote supporting their recommendations was approved.

On Tuesday, March 21st the Annual WIM California Chapter annual meeting was held at Rio Tinto Borax in Boron. After a tour overview of the operations, we returned to the Visitor Center which is on a hill overlooking the largest surface mine in California. At this annual meeting we finalized the nomination of new officers for the new WIM Calendar year. Those details will be provided in the WIM Annual Report which will be issued prior to the Annual National Meeting in San Antonio/New Braunfels Texas.
WOMEN IN MINING National is a nonprofit 501[c][6] organization. WIM is an organization for persons interested in or associated with the mineral resources and mining industry. WIM’s purpose is to educate members concerning all aspects of the industry and to promote public awareness of the importance of minerals in our everyday lives.

2016-2017 OFFICERS and COMMITTEE CHAIRS

President Stephen Tibbals—Nevada
Vice President Donna Thornton—Texas
Treasurer Gena Oliver—California
Secretary Kimberly Dennis—Texas

Student Chptr Liaison Karen Jass—Denver

Bylaws – Nevada, Denver & California
Finance – Denver & Calif Chapters
Historian – MS&T Chapter
Legislative/LinkedIn – Nevada Chapter
Membership – Texas Chapter
National Quarterly – Denver Chapter
Public Relations – Calif Chapter
Website – Education Foundation

The next National Quarterly Journals will be published:

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October 1, 2017
January 1, 2018
April 1, 2018