

NM Network for Women in Science and Engineering Present



Technical Symposium, & Annual Meeting October 19-20, 2001 Sheraton Uptown Albuquerque

Technical Symposium: Call for Papers

The purpose of the symposium is to provide a forum for women in New Mexico *network* by sharing their *work* through presentations and technical discussions.

Abstract submission: Please submit an electronic copy of your 200-word abstract to <u>bitner@neptuneandco.com</u>, or by disk, or hard copy to: NMNWSE Symposium, Kelly Bitner, Neptune and Company, 4600A Montgomery Blvd NE, Albuquerque, NM 87109.

Deadline for Submission: September 15, 2001

Notification of Acceptance: September 30, 2001

Presentations: Should not exceed 20 minutes in length with an additional 10 minutes for discussion. If you require audio-visual equipment, please submit this information with your abstract.

Abstracts: Will be reproduced as submitted and distributed at the symposium. **On-Line Information:** www.nmnwse.org

Questions: May be directed to Kelly Bitner, 505-884-8455



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New Mexico Network for WOMEN IN SCIENCE & ENGINEERING

PO Box 18073, Albuquerque, NM 87185 http://www.nmnwse.org/

THE NETWORK NEWS

August 2001

(www.nmnwse.org) for the latest.

PRESIDENT'S MESSAGE AND CHAT CORNER

MARGO CLARK

Many of our NMNWSE members are looking forward to our special offering this year in addition to our annual meeting. This is our NMNWSE Professional Seminar that will be held on Friday, October 19, 2001 at the Albuquerque Sheraton Upton Hotel. We expect to have seminars on leadership. communication, and management skills in the morning. Afternoon presentations are expected to include networking skills and table discussions among the attendees and leaders. On Saturday October 20, 2001 we will hold our Technical Symposium and Annual Meeting at this same location. At this time members, student, and invited guests will present technical papers on a topic of their

choice, usually their research. We think it will be a very special symposium and annual meeting and we look forward to your joining us. Here's the fun part--the optional Saturday dinner with us at the Albuquerque Aquarium in front of the shark tank! Details about the symposium and annual meeting [Editor's Note: there is also more in Announcements Corner] are found on our web site, www.nmnwse.org. The chair and contact for our annual meeting is Kelly Bitner, e-mail -bitner@neptuneandco.com.

Eastern Chapter Mercedes Agogino Portales, NM Northern Chapter Mary Campbell Los Alamos, NM Southern Chapter Karen Saenz Alamogordo, NM Professional Development Seminar Committee Karen Saenz Alamogordo, NM Wyona Turner El Paso, TX

EDITOR'S NOTE SARA GOTTLIEB

This issue includes Board Meeting minutes from both the April and June meetings. There is also important information about the upcoming Annual Meeting, a call for volunteers for election to the Board of Directors and coverage of the State Science Fair.

If you would like to be kept informed about activities in the Network on a more frequent basis than the Newsletter provides, sign up for the NMNWSE listserv by sending a message to listserv@unm.edu with "Subscribe NMNWSE-L Firstname Lastname" in the text of the message.

Important note: The Annual Meeting details are still being finalized at the time of publication of this newsletter. In an effort to get the newsletter out, I am including the most current information available, but please be aware that the schedule of events is subject to change. Check the web page The results of our membership survey showed that our membership was enthusiastic about continuing the Expanding Your Horizons conferences held annually in most of our state chapters. However, we also learned that although the membership expressed interest in recruiting, networking and mentorship, no one really volunteered to gather the comments and develop an action plan. This was a bit disappointing. We hope to discover new ways to motivate our membership not just to have interest but also to be active in putting those ideas into action. The membership was enthusiastic about expanding the Board meetings and the Annual meeting to include exactly what we are including in our Technical Symposium mentioned above.

At our last meeting our Board members were enthusiastic about a suggestion to include some interesting activity that follows our Board meeting in the locale at which our Board meeting is being held. For example, this spring our meeting was followed by a bike ride to the Reconstructed Wetlands in Albuquerque. Following our recent Board meeting in Santa Fe on August 4, 2001, our optional activity was to go to the International Folk Art Museum in Santa Fe and then afterward just "hang out" over ice cream and sodas. All who attended this special activity felt that this is an important addition to our Board meetings to permit time to really network among ourselves.

We hope that you will join us on October 19-20 at our very special Technical Symposium and Annual Meeting. See you there! J. Margo Clark, President

ANNOUNCEMENTS CORNER

2001 Annual Meeting and Technical Symposium

by Kelly Bitner, Annual Meeting Program Chair

Now is the perfect time to register for the annual meeting and technical symposium and to submit an abstract for your oral presentation! The theme is *Networks that Work*, and the goal is to make our network work by communicating what we are working on. It will be held at the Sheraton Uptown Albuquerque, at 2600 Louisiana Blvd. A block of rooms has been set aside, so ask for the New Mexico Network for Women in Science and Engineering.

The meeting dates are October 19-21, 2001. We will begin on Friday October 19 with something different - a seminar on career skills: Leadership, Management, and Networking. The seminar will be presented by women who are experts in these areas, and will last from 9:00 to 4:00. Registration for the technical session will begin 4:00-4:30 p.m. on Friday October 19.

There will be technical presentations following registration and on Saturday. We will reinvigorate ourselves on Saturday afternoon with a bosque bicycle ride before dinner and entertainment. The State Board will meet on Sunday morning with the new officers for 2002.

Although the registration fee has not been finalized, it is estimated that \$60 will cover the seminar, technical sessions, meals (except Saturday dinner) and conference materials. You can also register for the technical sessions separately from the seminar at a reduced cost. The registration form will be finalized soon and posted on the web site, sent via e-mail, and mailed to as many people and organizations we can think of. The Network can award a total of eight scholarships based on financial need if the potential recipient submits an abstract and presents the material. For program information and to transmit abstracts (by September 15) you can reach Kelly by email -- bitner@neptuneandco.com. If anyone is interested in helping with the Annual Meeting, please let Kelly know by e-mail or at 505-884-8455 (wk) or 505-268-1761 (home).

There will be plenty of chances to visit with one another at this exciting, but casual meeting. See you there!

SEEKING VOLUNTEERS/NOMINATIONS FOR 2002-2003 BOARD OF DIRECTORS ELECTIONS

Several positions (still to be determined) on the Board of Directors will be open as of December, 2001. The Network will be holding elections to fill the open slots by mid-September. If you would like to volunteer for a position or nominate another member of the Network, please contact Carol LaDelfe via email at <u>cladelfe@lanl.gov</u> as soon as possible. Ballots should be in the mail by the end of August.

REPORT ON 2001 NEW MEXICO SCIENCE AND ENGINEERING FAIR

Ten first place awards of \$50 were given and ten second place awards of tote bags were given. NMNSE magnets and career booklets were also awarded. Thanks to Judges Dana and Gary Roberson, Carol LaDelfe, Ann Mauzy, Mercedes Agogino, Karen Agogino, and Elizabeth Marietta. There were many excellent projects and judges sometimes had difficult time agreeing on winner. Science Fair rules allowed only one winner for each award.

Senior Division, First Place -- \$50 Cash Award

Senior Behavioral and Social Sciences

Marian A Daigle St. Pius X High School, Albuquerque Multiple Intelligences: A Key to Increasing Student Performance, Phase V

Senior Medicine and Health Science Chantal M Faurie Taos High School, Taos An Alternative to the Adminstration of Medication, Phase IV

Senior Engineering Paige Schmidt Deming High School, Deming Blue Gene Vaccine

Senior Earth and Space Science Sengdhuan V St. John Sandia High School, Albuquerque Finding the Galactic Velocity of the Sun Using Globular Clusters

Senior Environmental Science Sue Andra White Manzano High School, Albuquerque Grasslands vs. Woodlands: Change during the Last Century Using Remote Sensing

Senior Division, Second Place -- Tote Bag

Senior Environmental Science Amanda T Chavez Taos High School, Taos In situ Phytoremediation of Petroleum-contaminated Soil: Phase II

Senior Behavioral and Social Sciences Shannon Kindilien Cibola High School, Albuquerque Leading Polls: Can Rewording Sentences Influence Survey Results? Phase III

Senior Engineering Tiffany E Lin Highland High School, Albuquerque Optimum Angle and Efficiency of a Third-class Lever

Senior Medicine and Health Science Yvette C Lopez Taos High School, Taos Cran-Max: "Hope for the Victims of UTIs"

Senior Earth and Space Science Mary M Mylet Taos High School, Taos Ultimate Mysteries of Wetland Junior Division, First Place -- \$50 Cash Award

Junior Behavioral and Social Sciences Christina R Durano Homeschool, Is There Bias Behind "Who Wants To Be A Millionaire?"-Gender & Multiple-Choice, Sequential Questions

Junior Medicine and Health Science Angela M Fayad Mesa View Middle School, Farmington Does Naturally Derived Chitin Work?

Junior Earth and Space Science Terrin A Hoffmann Sierra Middle School, Las Cruces Soil Engineering

Junior Environmental Science Santana A Lopez Taos Middle School, Taos Glyphosate: A Non-Selective Herbicide and its Reactions Toward Soil Bacteria

Junior Engineering Amada R Samora Chaparral Middle School, Alamogordo Foundation Vibration Elimination?

Junior Division, Second Place -- Tote Bag

Junior Engineering Molly S Bell Taos Middle School, Taos Solar Energy Interconversion Energy for the Next Millenium ~Hydrogen~

Junior Medicine and Health Science Caitlin R Brody Edgewood Middle School, Moriarty As the Spine Curves

Junior Environmental Science Cynthia M Douthit Tibbetts Middle School, Farmington The Flight of the Red Baron

Junior Earth and Space Science Paola Esquer Hofacket Mid High School, Deming Barking Up the Wrong Tree

Junior Behavioral and Social Sciences Alicia J Ortega Pojoaque Middle School, Santa Fe Do Early Childhood Experiences Determine Academic Success?

APRIL 2001 BOARD MEETING



April 7, 2001

The meeting was held in Soccoro at NMMI after the State Science Fair. Board members in attendance were: J. Margo Clark, Carol LaDelfe, Wyona Turner, Dana Roberson, Alexine Salazar, Sara Gottlieb, Mercedes Agogino, Kelly Bitner, and Adrienne Dare. The meeting was called to order at 2:00 p.m.

Minutes: Adrienne moved and Sara seconded to approve the minutes of February 3. Motion passed.

TREASURER

TINKA GAMMEL (PROXY)

Dana read Tinka's written report. The amounts of \$560 (membership) and \$250 (donations) were deposited. Expenses included \$350 for EYH insurance, \$300 Northern (seed money), \$1300 Central (seed money plus Honeywell EYH donation), \$5470 for EYH logo bags, \$53.36 membership expenses, \$35.88 newsletter and travel expenses, \$36.15 additional newsletter expenses, and \$6000 Career to Tinka. This left a balance of \$1949.46. Still outstanding (approximations) include \$702.80 to Tinka for Career Books, \$176 magnet expenses, \$166 travel for Margo, and \$250 to Northern Chapter (a Honeywell donation), plus any new expenses from this meeting.

In addition, Tinka has over 1000 EHY book bags and Career books in her office.

STANDING COMMITTEE REPORTS

ANNUAL MEETING

KELLY BITNER

Kelly is chairing the Annual Meeting for October 19, 2001. The tentative location is the Sheraton Albuquerque Uptown (2600 Louisiana). The meeting room is \$100/day and seats <25. Room rates are \$65/night. I believe an urban Albuquerque location is one way to get more involvement from women who would like to hear some of the talks, but do not want to commit a whole weekend. I have had suggestions that the Sevilleta LTER be used again., and I am anxious to get feedback from the Board on this. I have been thinking about a theme and tried to emphasize the "network" portion of our organization. Tentatively, I have "Networks that Work" as a theme.

ARCHIVES

MARY S. CAMPBELL

No report.

ELECTIONS

CLAUDIA LEWIS

No report.

FUNDRAISING

MARY LOU WESTROM

No report. Her address is P.O. Box 1007, Cedar Crest, NM 87008. She also has a FAX 242-7355.

MEMBERSHIP

WYONA TURNER

Brenda Davis will be sent a thank you for creating the logo. The new logo was used on the recognition cards for female participants in the State Science Fair. Wyonna reported about a \$300 expenditure for the new directory and \$10 in cards for the Science Fair. We have 3 new members plus 2 additional per email from Tinka. Total membership is 71 Professional and 10 student for a total of 87 members.

NEWSLETTER

ANGELIQUE NEUMAN AND SARA GOTTLIEB

A paper version of the January newsletter was sent to 45 members on February 3 with the electronic version sent to remaining members on February 2. The January 2001 edition included the Professional Development Seminary Survey. The March 2001 edition is complete and will be sent after today's meeting. Sara still needs a volunteer for the Chat Corner, maybe Dana can accomodate. Also, we need to revive the notion of setting up a list server.

POLICY AND PROCEDURES

ABOLISHED

Chair position has been abolished.

PUBLICITY

KIM LINDER

No report. The brown (newspaper) wrapper advertising EYH was used. It was in the *Albuquerque Journal* for January 19 or 29.

One question which came up was whether Kim would assume the (maintenance of) the brochure. The general consensus was yes.

SCIENCE FAIR

MERCEDES AGOGINO AND DANA ROBERSON

Awards have been turned in as follows: ten first place awards of \$50 each and individual certificates, five to Junior young women exhibitors, five to Senior young women exhibitors in categories to be selected by the judges, with tote bags going to second place winners.

Tote bags, cards, and magnets were brought down by Dana. Mercedes will supply individualized certificates later for mailing with checks.

Names of judges turned in my Mercedes: Karen and Mercedes Agogino, Victoria Dery (to be replaced by Elizabeth Marietta), Carol Ladelfe, Dana and Gary Roberson, and Ann Mauzy. Others may have turned in their names independently as judges and other planning to be present in Socorro have volunteered to help if needed.

Career books were also given out. The official list will be available in about a week and will be sent to Tinka (treasurer) to mail checks. Ideally, we need about 10 judges, 2 for each category.

Thank you to all who helped.

EXPANDING YOUR HORIZONS

STATE

ADRIENNE DARE

All three EYH conferences have been held. Eastern Chapter (Silver City) held theirs on February 24, Central Chapter (Albuquerque) was held March 3, and the Northern Chapter (Los Alamos) held theirs on March 28. Extra copies of packets were sent to all chapters directly from the Math and Science Network. Registration for the sites was \$200 with an additional \$60 to mail directly to Los Alamos and Albuquerque. Adrienne reminded all sites to send in their Evaluation Forms plus 10 copies of their brochures to her.

CENTRAL CHAPTER EYH

KELLY BITNER, CHAIR

Albuquerque's EYH was help March 3 at UNM. A total of 79 adults and 447 students registered. There were 18% no shows so only 368 attended. Three (3) scholarships were available. There were about 25 workshops available for students plus a separate adult program. Good comments were received.

NORTHERN CHAPTER EYH

DANA ROBERSON, CHAIR

Publicity was great, especially putting the information on the web. A total of 146 attended (162 registered). The only problem was local schools were on spring break. The teacher conference portion had 16 attend. Fourteen workshops with 23 presenters were held.

SOUTHERN CHAPTER EYH

No Report.

EASTERN CHAPTER EYH

ADRIENNE DARE

The Silver City EYH was held on February 24 at WNMU. Thirteen workshops were presented. Recruiting is always a problem. However, 80 students attended with 40 no shows. This year did have a planning committee with new people, which was good.

Having new members in the planning committee brought new ideas. Throughout the day we held drawings for prizes donated by local merchants.

Their EYH must use campus services for lunch. However, this year they were able to let the Biology Club, a campus organization, to provide lunch as a fundraiser for their organization. Two dollars was charged for their lunch.

Local fund raising was successful. There is some seed money left over. Next year's planning is already underway. This will be our 10th annual EYH.

CHAPTER REPORTS

SOUTHERN

KAREN SAENZ

No report. They are not trying to organize. They did, however, receive phone calls inquiring about EYH. Karen did mention that she is submitting paperwork at White Sands to keep the organization viable within the base.

NORTHERN

DANA ROBERSON

Dana reported the monthly noontime talks are still successful. Of course, Los Alamos held its EYH in March. The organization will be putting their brochures as "table tents" at the Lab's cafeteria. And, new employee folders will also include a brochure.

CENTRAL

KELLY BITNER

A meeting was held last Sunday afternoon. About 18 people attended. There is a concurrence to have bimonthly meetings. Next meeting is scheduled for June 1 with a bike ride with a presentation on the constructed wetlands.

OLD BUSINESS

PROFESSIONAL SEMINAR – KAREN SAENZ

The seminar has been cancelled due to lack of interest. It was decided to expand the Friday afternoon activities for the annual meeting. Kelly and Dana are working on the annual meeting.

Dana and Wyona will be sending out bags to those members who responded to the questionnaire.

MEMBER SURVEY – KAREN SAENZ

The new survey has not been sent out. The consensus is to send it out but the latest (revised) version needs to be the one sent. Karen will locate that version. Wyona and Karen will work at sending out this version.

WEB COMMUNICATION

We need to vote on Policies & Procedures for a web master. This would be a chair position. Refer to February 3 meeting. If acceptable, Karen will get into

P&P. A motion was made by Kelly, seconded by Dana to include a Web Master Chair. Motion passed.

LOGO MAGNETS – DANA ROBERSON

It was decided the heavy magnet with out logo would be more useful to produce. Tinka has the stock for this.

BROWN WRAPPER ADS

No report. These were EYH-focused. There is no guarantee what date the Journal will send this wrapper thus we cannot submit dated material. It is probably best to put this out in early October, given the dates for our EYH conferences.

NEW BUSINESS

SCIENCE FAIR – MERCEDES AGOGINO

Mercedes recommended we produce something small and inexpensive to give to all female participants at all Science Fairs. Maybe a bookmark with our logo and web site, similar to the cards give at the State Science Fair.

POST OFFICE

Mail is still being forwarded incorrectly. Currently, our mail is sent to Kirkland AFB, being picked up by Judy Mead. Margo will look into getting a box in Santa Fe, Dana will check in Los Alamos

Meeting was adjourned at 3:50 pm.



June 2, 2001

The June NMNWSE Board meeting was held at Kelly Bitner's house, June 2, 2001. J. Margo Clark called the meeting to order at 10:15 AM. The Secretary and Treasurer's reports were not received, as they were absent. Mary Campbell agreed to take the minutes at the meeting. Board members present: Kelly Bitner, Mary Campbell, J. Margo Clark, Adrienne Dare, Sara Gottlieb, Carol La Delfe, Dana Roberson, Karen Saenz.

TREASURER

TINKA GAMMEL

No Report.

STANDING COMMITTEE REPORTS

ANNUAL MEETING

KELLY BITNER

Kelly presented the 2001 Annual meeting Budget for approval. The meeting is planned for October 19-21 at the Uptown Sheraton at Menaul and Lousiana. She separated the costs for the annual meeting from that of the Workshop to be held on Friday. Costs for the annual meeting including dinner was \$2124 and for the workshop including snacks but no meal was \$790. If 30 people come the annual meeting, \$70 is proposed charge with \$20 for extra dinner guests. Charge for workshop is \$30. She suggested that the Board Meeting on Sunday be held at her home instead of at the hotel. The Board was happy with the proposed arrangements and approved the budget. Suggestion of more publicity and e-mail reminders were made with up to 7 reminders. A suggestion was made to have an agenda at the workshop from 9 am to 3 pm followed by networking time until 5:30 pm. With lunch and dinner the charge for the workshop would be about \$100.

ARCHIVES

MARY S. CAMPBELL

Please send any news of members or Network or EYH activities to archives. At the next Board meeting, Mary will bring a camera for Board member pictures. Please try to attend. Also bring a paragraph about you, your work, and other activities.

ELECTIONS

CLAUDIA LEWIS

Claudia is in Spain doing a research project. She will return in July to do the elections slate. I am sure she would like suggestions and volunteers at that time.

FUNDRAISING

MARY LOU WESTROM

No Report.

MEMBERSHIP

WYONA TURNER

Wyona found 50 addresses were not current when she sent out the membership survey.

NEWSLETTER

ANGELIQUE NEUMAN AND SARA GOTTLIEB

The newsletter will be sent out in July. Sara wants information to go into it to be sent to her as soon as possible.

POLICY AND PROCEDURES

ABOLISHED

Not active.

PUBLICITY

KIM LINDER

Kelly reported that Kim, who was not there, was working on a brochure for the annual meeting. Dana volunteered the use of here trifold machine if the brochure was to be folded in that manner.

SCIENCE FAIR

MERCEDES AGOGINO AND DANA ROBERSON

Dana will get the names of the first and second place winners from Mercedes and send the information to Tinka and to Sara for the newsletter. Also, please send the information to Mary for Archives.

EXPANDING YOUR HORIZONS

STATE

ADRIENNE DARE

Adrienne reported that the evaluation forms from the Silver City and Los Alamos EYH conferences were sent to the Math/Science Network. Adrienne has retired from Western NM University and has e-mail address dare@gilanet.com

ALBUQUERQUE EYH

KELLY BITNER, CHAIR

No report.

LOS ALAMOS EYH

DANA ROBERSON, CHAIR

Next EYH will be in March. Room is reserved for each Wednesday in March. The decision of which date depends on the spring break schedule of the schools involved.

SOUTHERN CHAPTER EYH

Southern Chapter does not have a planning committee for EYH.

SILVER CITY EYH

ADRIENNE DARE

The 10th anniversary of the Silver City EYH conference at WNMU will be held on March 2, 2002. The planning committee has met several times and will be meeting more this summer to be sure we get a good start and a good turnout.

CHAPTER REPORTS

SOUTHERN

KAREN SAENZ

No activity.

NORTHERN

ANGELIQUE NEUMAN

Mary reported that the LAWIS would have a table to give information to the students during the LANL student picnic.

CENTRAL

KELLY BITNER

Bicycle trip to the Albuquerque constructed wetlands and wildlife center was planned for 1:30 June 2 following the board meeting.

EASTERN

MERCEDES AGOGINO

No report.

OLD BUSINESS

June Seminar

Planning for the Seminar in June was cancelled because no one was able to spend time for the planning in February. Most people's efforts were toward the EYH conferences. Ideas for the June seminar will be used to extend the annual meeting to include a workshop on networking.

Member Survey

Good response to the survey. 25 bags were distributed to those who answered the survey. The results of the survey will be e-mailed to the Board. **Action Item:** select 5 suggestions from the survey on which the Board could concentrate to improve the organization. Make suggestions on how to do these actions. E-mail your suggestions to Karen Saenz.

Post office box

New Post office box in Los Alamos: NMNWSE, P.O.Box 1360, Los Alamos, NM 87544

NEW BUSINESS

Resignation of Ann Mauzy

Ann was a member at large and was not able to come to meetings. We accepted her resignation.

August Meeting: August 4 in Santa Fe (J. Margo Clark's house) The meeting was adjourned at 11:20 AM.



NEW MEXICO NETWORK FOR WOMEN IN SCIENCE & ENGINEERING PO Box 1360, Los Alamos, NM 87544

2000-2001 December 2	BOARD MEETING DATES: Kim Linder Cedar Crest
February 3	Kelly Bitner Albuquerque
April 7	New Mexico Tech Socorro
June TBA	Professional Development Seminar Postponed Albuquerque
August 4	Margo Clark Santa Fe
October 19-21	Annual Meeting Albuquerque