

ArizMATYC NEWS

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ArizMATYC Spring Meeting at Chandler-Gilbert CC

The Spring 2005 meeting of ArizMATYC will be held on Friday, February 25 at Chandler-Gilbert Community College. The program will include sessions on mathematics, the teaching of mathematics at all levels, and various workshops. In addition, the AMATYC traveling workshop for those who teach Math for Elementary Teachers will be held at the College on Saturday, February 26; this workshop is limited to 30 attendees, so please contact Kate Kozak if you are interested.

Contact persons for the Spring meeting at Chandler-Gilbert are

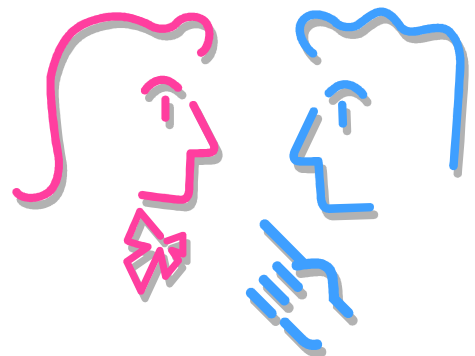
Howard Speier (480-732-7064, howard.speier@cgcmail.maricopa.edu)
Scott Adamson (480-732-7031, scott.adamson@cgcmail.maricopa.edu)

Chandler Gilbert Community College
2626 E. Pecos Road
Chandler, Arizona

You Can Help to Strengthen ArizMATYC

Are all of your colleagues ArizMATYC members? If not, encourage them to join now. Ask them to send their name, college, contact information, and \$5 to

Anne Dudley, ArizMATYC Treasurer
Glendale CC
6000 West Olive Avenue
Glendale, AZ 85302



Questions about ArizMATYC? Call Anne at 623-845-3389

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President's Message

Greetings everyone! I just returned from a great AMATYC Conference in Orlando. It was quite a shock being greeted in Yuma on Sunday with forty degree temperatures and rain after enjoying the eighty degree sunny days in Orlando. Arizona was well represented at Orlando and there were many excellent and informative sessions hosted by ArizMATYC members. Arizona was also represented by two Project ACCESS fellows, Ana Jimenez from Pima CC and Laura Watkins from Glendale CC. Congratulations to all of the presenters, delegates, attendees and ACCESS fellows on a great job and for representing us well!

As affiliate president, I had the honor of attending the affiliate president luncheon. Besides receiving an excellent lunch, it was great to dialogue with other affiliate presidents and to learn more about AMATYC, its officers, its regions, and current projects. We were all strongly encouraged to review the new "Beyond Crosswords" document and to submit our comments and suggestions about this important AMATYC endeavor.

During the conference, I also had the opportunity to talk with the affiliate presidents from Texas and New Mexico. There is great interest in having better communication between the affiliates in the southwest region. This includes attending each other's affiliate conferences, sharing ideas, and having links on our websites to the other affiliates in our region. We are also beginning dialogue on a future southwest regional AMATYC conference. Texas is willing to host this event but all work and planning are to be shared equally amongst the affiliates, as well as any profits realized from vendors and registration. We are looking a couple of years into the future, but the planning stages will commence shortly.

At the delegate assembly, fee increases were approved for both individual and institutional memberships. Individual membership fees will be increased from \$60 to \$75 and institutional memberships will be increased based on a formula including price of an individual membership, conference registration, Math League dues, and advertising on the AMATYC website. No decision was made on our position statement for dual enrollment as the delegates decided to send the statement back to the committee for rewording.

On a final note, Arizona Western College has reached 100% membership for full-time faculty in ArizMATYC. My colleagues were more than willing to join and have already availed themselves of the discussion list. In fact, I also have several associate faculty members who have joined. It has been nice seeing the discussion list being used and this is another great reason to be a member of ArizMATYC.

I hope that everyone has a happy and safe Holiday Season and I look forward to seeing you all at the spring conference at Chandler-Gilbert CC.

Dan Russow

We need your news for the newsletter! Mail articles to Sue Jensen at Pima Community College
8181 E. Irvington Rd.
Tucson, AZ 85709-4000
Or e-mail to
Susan.Jensen@pima.edu

2004 AMATYC Conference Report

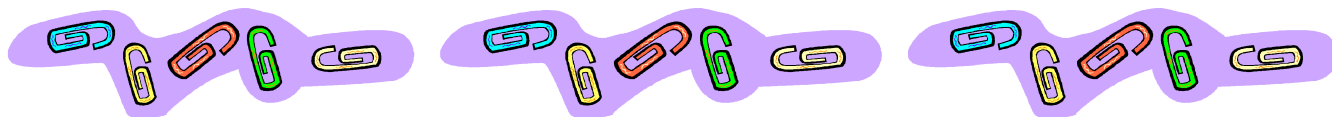
By Howard Speier

Bright Ideas came out of this conference through communicating, calculating, and educating. The 1100 participants from across the United States and Canada who attended the Orlando conference were not disappointed. Sessions and committees involving mathematics and pedagogical approaches included Distance Learning, Technology, Equal Opportunities, Faculty Development, Foundation/Development, Placement and Assessment, Curriculum, and Student Mathematics League.

The main speakers included Yolanda Moses discussing the changing role of community colleges and Brian Winkel speaking on engaging students as consultants and putting them in charge of grading class assignments.

My own particular interests lie in activities for the developmental classes, technology, and distance learning. Through these sessions and workshops there were tremendous ideas and insights. While going to vendor exhibitions, I was able to look at resources and software to supplement my classroom activities. This is how I came across using EDUCO as an Integrated Internet Delivery System.

The forum on Dual Enrollment involved a lot of different views and definitions. The committee will be working on establishing an AMATYC platform for the convention next year in San Diego (Nov. 10-13, 2005). Beyond Crossword AMATYC standards was being discussed and will come out in 2006. I encourage you to come join our colleagues as we network and learn. Join before July 1, 2005. Membership dues will be going from \$60 to \$75.



AMATYC Student Math League Results 2004–2005

Five Arizona teams reported scores in the AMATYC Student Math League Round 1 exam, held in November 2004.

The five teams, listed by rank in the Southwest Region, are:

3. Pima CC
4. Glendale CC
5. Paradise Valley CC
7. Phoenix C
14. Mesa CC

Top Arizona students, also listed by rank in the Southwest Region, are:

T3	Kiet Hong Nguyen	Pima CC
T6	Derek Harris	Paradise Valley CC
8	Joseph Pursley	Pima CC
T9	Eric Wanner	Paradise Valley CC
T9	Ed Sutton	Glendale CC
T12	Allan Foster	Glendale CC
T14	Donna Simon	Glendale CC

ArizMATYC Business Meeting

October 8, 2004

The meeting was called to order at 1:45pm by President Kate Kozak. The proposed agenda was distributed and reviewed; it was accepted with no changes. The minutes of last spring's business meeting and campus reports were reviewed. They were accepted as corrected.

Reports

Treasurer: Anne Dudley reported that the treasury's current balance is \$6,225.53. Anticipated expenses for this fall include 4 AMATYC national conference registration fees (now \$255 per person) and \$500 for the top two students who participated in last year's Student Math League.

Newsletter: Sue Jensen reminded the delegates to the national conference in Orlando that they are to submit a report of their conference activities to her (Susan.Jensen@pima.edu) for inclusion in the Fall 2004 newsletter.

Webmaster: Shay Cardell reported that many people are accessing the ArizMATYC website. The organizers of the meeting in Snowflake were very prompt in providing information about plans for the meeting on the website. Shay is looking into how we might save money in regard to our website.

President: Election results were announced: Shay Cardell is President-Elect, Jennifer Jameson is Secretary, and Anne Dudley is treasurer. The terms are for two years, and begin on January 1, 2005. Kate will put a request on the listserv for a volunteer for the position of ArizMATYC historian.

New Business

1. **Traveling AMATYC Workshop:** ArizMATYC applied for and was awarded a traveling AMATYC workshop. The workshop will be held on Saturday, February 26 at Chandler-Gilbert, the day after the Spring 2005 ArizMATYC meeting. The workshop will last the entire day and a maximum of 30 people may attend. Kate Kozak is the contact person; she will ask for interest from ArizMATYC members by October 31, with a maximum of two names from each campus. The workshop is intended for those who are teaching or will teach the Math for Elementary Ed courses. Chandler-Gilbert will provide space and manipulatives for the workshop. It is possible that another workshop may be scheduled for the same timeframe, to help alleviate carpooling issues.
2. **AMATYC Conference Delegates:** Delegates from ArizMATYC to the AMATYC conference in Orlando in November will be Howard Speier, Quincy Magby, Kate Kozak, and Dan Russow. ArizMATYC will pay \$255 for each delegate's registration.
3. **Statewide Directory Updates:** The statewide Math Directory is being updated. Send additions, corrections, and deletions to Kate Kozak.
4. **Membership Goal:** One of ArizMATYC's organizational goals is 100% ArizMATYC membership among community college math faculty. To encourage current non-members to join, a motion was made, seconded, and passed to award three prizes (jump drives) at the February 25, 2005 meeting. One prize will go to a new member, one to the college with the most new members, and one to the college with the greatest percentage of new members. Anne distributed lists of current members to representatives of each college.

continued

5. **ArizMATYC meeting schedule for 2005:** The current schedule of upcoming ArizMATYC meetings is as follows:
- Spring 2005 at Chandler-Gilbert on Friday, February 25. Howard Speier and Scott Adamson (on sabbatical) are the meeting co-chairs. There will be a separate event on Friday evening for those attendees who are interested.
 - Fall 2005 at Pima on (possibly) Friday, October 7. Mary Sibayan is the chair.
 - Spring 2006 at UA (joint with MAA). The joint meeting with MAA is held every other spring. In the past we have been charged \$10 to attend, good for a two-year ArizMATYC membership. MAA would like to raise the registration to \$15, of which they would keep \$5 and send the balance of \$10 to ArizMATYC. (If a participant is a member of both ArizMATYC and MAA, each organization would receive \$5.) It was moved by Debra Green, seconded by Shay Cardell, and approved by voice vote that we accept this proposal, beginning with the Spring 2006 joint meeting.
6. **Student Math League prizes:** A motion was made and seconded to award \$350 to the top Arizona student and \$150 to the second-highest Arizona student in last year's Student Math League. The motion passed. Anne Dudley will send checks to the winners and will also announce their names and colleges on the ArizMATYC listserv.
7. **Invited Speakers:** A discussion ensued about whether or not we should always have an invited speaker at ArizMATYC meetings. The issue will be discussed further at the meeting next February.
8. **Southwest Region VP:** Mary Robinson will not run for re-election as AMATYC Southwest Region Vice President. Persons interested in running may submit their names to Quincy Magby, who is on the nominating committee.
9. **ATF Meeting format:** There was discussion about the ATF meeting held earlier in the day, specifically regarding the lack of time for important issues and in-depth discussion. A threaded discussion for ATFs will be available on the ATF website; this allows for a vote. Not everyone was happy with votes taken this way. It was decided that we will have an informal discussion of ATF issues at the February 25 meeting; no votes will be taken, but we will attempt to reach consensus on the issues. We also want a different format for the next ATF meeting (October 2005).

The meeting was adjourned at 2:40pm.

Respectfully submitted,

Sue Jensen, Secretary

Campus Reports - October 8, 2004

ASU: New president and more money; class size in beginning math classes reduced to 19; 14 additional short-term instructors; 90 sections of college algebra.

Arizona Western: Two new permanent and two temporary hires; huge grant for distance education, a push to put all courses online; still working on assessment; offering math courses in Spanish (one new instructor is bilingual); dev ed textbook in Spanish; big bond issue.

Central Arizona: One new hire; population boom; \$200-400 million bond issue this spring; teacher training grant for high school teachers and for first-year math teachers.

Chandler-Gilbert: 10%/year population growth; one new hire next fall, gateway and common finals in all courses; mentoring for new faculty.

Cochise: One new dev ed faculty at Douglas campus; one new hire next fall; bio/math/computer science program.

Coconino: Finite math, business calculus and statistics online; Title III grant in partnership with Northland Pioneer for online dev ed math and four online degrees.

Diné: One of 5 fulltime math faculty is leaving at end of Fall semester so will be hiring; administration allowing smaller classes to run.

Glendale: \$1 billion bond issue this spring; anticipating 2 new hires (one math, one math/computer science); starting bio-infomatics program.

Mesa: HLC (old NCA) this year; 12% growth at Red Mountain campus; two new hires in January, two additional positions opening in January; all courses college algebra and below offered through distance learning.

Mohave: More layoffs but 19 new faculty hired in new program areas; 2 new math faculty; all courses through college algebra are online, plus some others; problems with the math for elementary ed courses.

NAU: Class sizes increasing; NAU growth at 2% but math growing at 14%; using free Webwork in calculus for online homework; grants for scientific computing, summer courses for teachers, MAT degree; calculus III now four credits; prerequisite for finite math may change to college math; looking for a statistician.

Northland Pioneer: Added video room at White River campus; new president; many online courses; using EDUCO curriculum; proposed prerequisite change for math for elementary ed.

Phoenix: 2 (maybe 3) new hires coming this year; going through NCA accreditation; Title V grant enabled opening a Math/Science center.

Pima: Major administrative changes; step criteria for raises; mandatory placement pilot for math this fall; 2 new faculty this year, may have 2 more in fall 2005; West campus using common finals; 092 posttests show that about 40% of students “pass”; piloting supplemental course for 092 this fall; last semester for Academic Systems; not enough trained 173,174 instructors; COMPASS exam does not seem to be a very good predictor of success in dev ed math courses.

Scottsdale: 3 new faculty for 2005; at capacity; traditional, no online or distance; 64% of teaching load is dev ed; NSF grant for K-12 math teaching partners Maricopa and ASU; another grant for middle school teaching of science and math; unlimited site license for Maple 9.5, every student gets a free disk for one year, tech fee pays for it; thorough process for choosing college algebra text finally over, choice is “Functions Modeling Change” from Harvard Consortium; now looking at texts for 092-122 sequence in the same way.

UA: new building used for math (it has a loading dock!); looking for students who would like to become math teachers (Fred Stevenson in charge); anti-plagiarism software available (turnitin.com) used mostly for Math for Business projects.

Yavapai: \$70 million bond issue passed; faculty recently voted no confidence in president and board of governors; common finals in all dev ed courses; fulltime faculty graded all common finals, so finals will have only a common portion in the future; looking at assessment in 142, 151, 187.

No reports from Embry-Riddle, Estrella Mountain, Gateway, Grand Canyon, Paradise Valley, Rio Salado

ArizMATYC Business Meeting

Spring 2004

Meeting called to order at 11:14 am

1. Agenda approved
2. Minutes approved
3. President-elect's report:
Nominations are Shay Cardell, president-elect; Jenni Jameson, secretary; Anne Dudley, treasurer
Kate will send out a ballot for election of new officers.
4. Treasurer's report:
We spent some money, \$200 to hospitality room in Salt Lake, Shay was paying for website, Student Math League \$350 1st, \$150 2nd, paid for 2 delegates, spent total of \$1613. AMATYC in Phoenix made only \$2169, made \$.53 in interest in 3 months. No website report
5. Historian's report: Tom Adamson was elected treasurer of AMATYC.
6. No newsletter, website or secretary's reports.

New Business:

7. Teaching Excellence Award nominations due Dec 3, 2004.
8. Hospitality room donation for Orlando, David makes a motion to give \$100. An amendment was made to give \$112.35 and seconded. All agree.
9. Increasing ArizMATYC Membership
Teacher Prep Grant
Keynote speakers- should ArizMATYC consider paying keynote speakers?
Give a list to each college of those faculty who need to reenlist in ArizMATYC
List on web distribution list is you are not a member
Have open discussions at conferences, for example, course outline comparisons or what do you really teach in College Algebra? Make sure there are topics that are valuable to others.
Distribute Newsletter to associate faculty.
Remind faculty that they need to do some presentations to have an continuing contract and let ArizMATYC act as a vehicle for this.
Money for travel, how many full time faculty are members? Send to representative.
More detailed campus reports.
Send out list of presentations that happen at conferences in the newsletter.
Ask for a rep at each campus to distribute newsletter to all faculty.
Ask other affiliates to see what they do.
Have door prizes, \$ amount put up by board is \$50±. Maybe a USB flash card. Agreement that door prize will go to a new member.
10. Spring 2005 meeting site in Phoenix area, Chandler Gilbert or Paradise Valley. Want meeting to not be close to MAA meeting, move to late February.

Old Business- None

11. Fall 2004 meeting - October 8, 2004 at NPC, Snowflake Campus, hosted by Eli Blake.

continued

12. Other:

Looking for positions in AMATYC, Mary Robinson wants to quit so we need a Southwest VP. Job perks include 2 week-long meetings, lots of email, get \$'s to go to affiliate meetings, travel expenses paid in full. Responsible for keeping a data base for the SW region and to appoint two delegates from each state except Texas.

Notes submitted by Maxie Inigo

Campus Reports – Spring 2004

Arizona Western –Roy is retiring, 1 new faculty member. NCA visit in two weeks, their assessment development program was published by MAA.

Cochise- Ran IGA with the high school to help students pass AIMS test with 97 students using the AIMS practice test. Approved assessment plan consisting of a pre and post test. Major reorganization, there are now three district deans. Using MyMathLab. Were approved for a full time math position.

Coconino – Developed new web courses, MAT 130 & 131, finite, business calc, and stats, continuing with assessment and have a new instrument. Hired a new bio instructor

Dine' (New Mexico side–Shiprock) - 2000 students. 3 courses online, arithmetic through college algebra. NCA is coming April 2005 for 8-year accreditation visit. Looking for full time math faculty in New Mexico and for a new president.

Eastern – One math position opening up in late summer for online courses.

El Paso CC – Reaccredited, have record enrollment 22, 000 students, 5 campuses with 2 new full time math faculty. There will be more positions next year.

Embry Riddle – full time position open, want a placement test for incoming students.

Glendale –One new faculty member district wide. Changing college algebra and college math. Using Accuplacer for assessment.

NAU – Using My Math Lab. Change in delivery is going better, biggest problem is student motivation. Experimenting with Accuplacer, will go whole hog fall 05. All students will be taking the placement test regardless of ACT or SAT scores. Math for elementary school teachers will have a new prereq MAT 114 or higher in fall 2005 (It's about time!!!!), it still has to go through the college of Education so it isn't in stone yet. NAU is restructuring from 10 colleges and schools to 5 colleges and schools. President will make the decision in April. Change won't affect department.

Northland Pioneer – Hosting Arizmatic in Oct in Snowflake. Have 4 full time faculty. Enrollment is down. Canned basketball program, hiring a new dean of liberal arts, a new president, a new VP of Student Development. Built new dorms in Holbrook because students were driving long distances. Video classroom in White River. Discussion of intermediate algebra, they want to increase the pass rate. Offer pre- algebra in class; Keystone method of teaching.

continued

Phoenix College – Hired Brad Garner and two new faculty. Hiring a math/science learning center coordinator. Have a wireless lab and a new junior vice dean.

Pima– All campuses looking at MyMathLab. Common elementary algebra final exam.

Scottsdale – Keith Worth is new dean, David is transferring to Scottsdale. Jim and Alan working with adjunct faculty. Using new modeling activities approach, 1 credit lab course with interdisciplinary topics, students have to take a 1 credit lab with a 4 credit course. Have new links with ASU; reading groups discuss Math Ed research, faculty get credit/grants for teaching communities. Maricopa project model 087 – 50 cohorts are very successful. Have beginning algebra on line. Also working on a new transfer pathway; Math/Science for technology.

U of Texas, El Paso – Will have regional meeting in El Paso April 2. 2 Math Ed positions, have a new BIO/MAT PHD program.

Western New Mexico – Education issues, secondary math teachers now need a math major. New middle school teachers have to pass a test to be “highly qualified” K – 8 or 9 – 12 teacher. K – 8 don’t have good math skills. Fully resist putting courses on line. They do ITV with the high schools; Calc I and college algebra in rural areas.

Yavapai – 2 new hires. Using common finals for assessment in beginning and intermediate algebra. Have new College Algebra text with a serious modeling approach.

No reports from ASU, Central Arizona, Chandler Gilbert, Estrella Mountain, Gateway, Grand Canyon, Mesa, Mohave, Paradise Valley, Rio Salado, South Mountain, UA.

Additional Notes:

MAA Newsletter Editor – If you want the MAA newsletter in the fall and spring, send email to Tom Bruska.

Joann Peebles will present MAA regional teaching award to Deborah Hughes Hallett. She will go to Nationals. Deborah Hughes Hallett works in the UA Department of Math, Applied Math, and Statistics.

