



ArizMATYC NEWS

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JUNE 2006

President's Message

The spring joint meeting with the Southwest Section of the MAA was excellent. There were many informative sessions, as well as interesting keynote speakers. ArizMATYC was represented well with many presenters hosting captivating and enlightening sessions. Thanks for all of those who presented and helped to make the conference a success, especially Dr. William Velez at the University of Arizona and the Southwest Section of the Mathematical Association of America. Also, special thanks to Rebecca Hartzler for presenting an in-depth session on AMATYC's MAC³ program.

The fall, 2006 ArizMATYC conference and ATF meeting will be held at Central Arizona College on their Signal Peak campus. The date for this conference has been changed to October 20, 2006. Please note the change in your calendars. The AMATYC national conference will be held in Cincinnati on November 2-5, 2006.

Several issues were brought up at the business meeting during the spring conference and we will revisit many of these at the fall meeting at Central Arizona College. These include registration fees for future ArizMATYC conferences and planning sessions for the upcoming Southwest Regional AMATYC conference in San Antonio in the summer of 2007. (See page 7.) Election of new officers will take place before the next meeting and the newly elected officers will take office after the fall meeting.

I hope everyone has a safe and fun summer. See you all in the fall at Central Arizona College.

Dan Russow

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2006

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We need your news for the newsletter! Mail articles to Sue Jensen at Pima Community College
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Or e-mail to
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AMATYC Student Math League
2005-2006 Results

Congratulations to this year's Student Math League participants! Four Arizona teams reported scores for Rounds 1 and 2. These teams and their cumulative scores, listed by rank in the Southwest Region, are:

1	Pima CC
T6	Paradise Valley CC
8	Mesa CC
12	Phoenix College

Three Arizona students made the list of top individual cumulative scores; they are listed by rank in the Southwest Region:

3	Joo Hee Song	Pima CC
6	Kiet Hong Nguyen	Pima CC
12	Nickolas Penner	Paradise Valley CC

In Round 2, the four Arizona teams ranked in the Southwest Region as follows:

2	Pima CC
7	Paradise Valley CC
10	Mesa CC
11	Phoenix College

Individuals who scored at the top of the Southwest Region in Round 2 and their ranks are:

3	Joo Hee Song	Pima CC
T9	Erik Kraft	Paradise Valley CC
T13	Lok Man Chin	Pima CC
T13	Jason Gregory	Pima CC
17	John Michael	Pima CC

Please consider participating in this worthwhile competition during the next academic year. The cost to register is \$25; if your college is an institutional member of AMATYC, the registration fee is waived. For rules of the competition and more information, see the AMATYC website (www.amatyc.org) or contact the Student Math League national moderator, Chuck Wessell at WessellC@durhamtech.edu.

Arizona Western: Will pilot modular mathematics classes covering topics in Pre-Algebra beginning in the fall. The need for these courses stemmed from a recommendation from those who conducted an extensive assessment of our developmental math sequence, where it was noted that many students were entering our Beginning Algebra class lacking fundamental arithmetic skills. Students placing into Pre-Algebra will be assessed on what skills they are lacking and will be directed into the appropriate module(s) to address those skills. Also, Phong Chau has had his position in the department upgraded from temporary to continuing faculty.

Chandler-Gilbert: Expanding its Nursing, Criminal Justice, and Fire Science programs. Hiring one replacement due to retirement. All levels of mathematics require a Gateway and Common Final. Will go through a HCL Accreditation this Fall.

Coconino: Revised MAT 142 to adhere to the agreement made at the Fall 05 ATF and changed the name to College Math. Considering creating a new course as prereq for Precalculus and then reducing our Precalculus course to 4 credits. There will be a new faculty member in Page in the Fall. Continuing our assessment of math classes.

Dine: Have been experimenting with an accelerated learning program for our developmental students. Any student starting or repeating Arithmetic is eligible. They are required to register in both Arithmetic and Beginning Algebra with 3 credit hours each. Two sections are scheduled at the same time with 6 hours of lecture a week. This allows us to finish Arithmetic in the first half of the semester and have a final at midterm. Those who pass go on to Beginning Algebra, and those who fail repeat Arithmetic. Since the lecture time of the two sections is the same all it takes is for the students to change lecture rooms after midterm. Lectures are Monday-Thursday with 1.5 hours everyday. This doubled contact time appeared to keep the students working and doing better in learning. About 50% passed the Arithmetic final at midterm, much better than the 10% to 20% in a normal class. Unfortunately not all the students are doing well in Beginning Algebra. Not sure if it is too much work for them or personal/family problems. About half of the repeaters of Arithmetic have a good chance of passing. Two marginal students in the first half of the semester are doing exceptionally well while repeating; they were able to understand the concepts of integer arithmetic and order of operations and should be able to score at least a B on their final. I have been using a statistical illusion in quoting percent instead of actual numbers – the total number of students in the two sections was 18 in the first half of the semester, two dropped shortly after midterm in the Beginning Algebra section. Success could be due to the small class size and I doubt if our Administration will allow us to continue on with this number. The hope is that successful students will advertise for us so that we will be able to enroll 20 in each section next semester.

Mohave: Mohave County continues to grow and along with it Mohave CC. Large increase in enrollment each year for the past several years. College has added Dental Hygienist and Dental Assistant programs as well as an Automotive Service Technology program. Campuses will become more autonomous: campus deans will become campus presidents next year and the college president will become chancellor. We now offer most math classes except calculus online, in addition to our regular offerings. Also offering several math courses in area high schools as dual enrollment. Most math courses have common finals, and all online math courses have an on-campus proctored midterm and final exam that count 65% of the student grade.

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Campus Reports, continued

Phoenix: In process of hiring for one residential and two OYO positions; job posting closed 3/24.

Next Fall, new faculty member Dmitri Logvinenko will be a part of a pilot developmental education program, PC Connections; this will be a learning community with Math, English, and Counseling. Also next Fall, Lucia Kisiel will pilot a "Fast Lane Math" program that couples MAT082 and MAT091 in one semester. This Spring semester -and in Spring 07, Tom Adamson and Ginny Simmon are offering a Learning Community of ENG111, Technical Writing, with MAT151, College Algebra. Our site visit for NCA/HLC is April 10-12. [Note: Passed the NCA/HLC visit and are accredited for another 10 years!]

Pima (Desert Vista Campus): We are proud users of two new computerized mathematics classrooms.

Have lots of software (Autograph, Matlab, Mathematicia, Scientific Notebook, Geometer's Sketchpad, etc.) and computers for 36 students in each classroom. This summer upgrades to lighting and air conditioning for these rooms are scheduled. Have Smartboards and computers for all math classrooms. Not hiring new fulltime faculty but are constantly looking for new adjuncts. Experimenting with common finals in developmental mathematics courses and hope to extend this to all courses by Fall 2006.

Scottsdale: Have completed the process for hiring two for the 2006-2007 school year; names have been sent to the Administration. Continuing the process of aligning our development mathematics with the AMATYC Standards. Have decided to narrow our focus to two texts and have those who have piloted one of the texts to pilot the other during 2006-2007; texts going forward are "Math in Action" and the Maricopa Consortium material. SCC Math Department is participating in a grant to have an exchange of mathematical educators with Thailand. Also participating in a grant with several school districts to assist their faculty in achieving Master Teacher status.

Yavapai: Math Department planning a common assessment tool in all courses above Intermediate Algebra. Department goals for students and quantitative literacy goals will be assessed via problem solving projects and a common rubric; results will be used to demonstrate that students are increasing their problem solving skills and soft mathematical skills as they progress through our courses. Finishing our first year of using MyMathLab in developmental math courses; anecdotal evidence indicates that students who utilize these resources are doing better than students who are not. We'll compare performance on the departmental final exams to see if this notion is valid. In Fall, we plan to make MyMathLab available to students in beginning algebra, intermediate algebra, college algebra, college math, finite math, brief calculus and math for elementary teachers in the fall.



ArizMATYC Business Meeting
University of Arizona, Tucson
April 7, 2006

1. Minutes approved with the following correction: AMATYC Southwest Regional Conference in El Paso, June 15 and 16, 2007.
 2. Reports
 - a. Treasurer: We have a balance of \$3,957.84. Income was from memberships in the amount of \$172.00. Outgoing was for support to delegates to AMATYC in the amount of \$1,370.10. Suggest that at the fall meeting we have a session on ways to increase funds, renewing membership, and membership renewal date.
 - b. Newsletter: Send articles to Sue Jensen at Pima. You may want to write an article about what you are doing.
 - c. Webmaster: Who should be on the listserve? Currently it is only members. A motion passed to put every math instructor in the stat on the listserve. A discussion for the fall meeting is should we have two lists, one for everyone and one for just members.
 - d. President-elect: nothing to report
 - e. Past President: nothing to report
 - f. President: nothing to report
 - g. Vice President of the Southwest Region:
 - i. Reminder that there are summer institutes
 - ii. If you are interested in running for an office in AMATYC please submit your names to the nominating committee
 - iii. Teaching excellence award has been changed to no longer be one award per region and the number of awards is determined by the number of nominations. For the fall meeting have a discussion about getting an ArizMATYC nomination
 - iv. AMATYC 2006 conference is in Cincinnati.
- All of the above can be found on, or linked to from, the AMATYC website: www.amatyc.org
3. Nominations for ArizMATYC officers, president-elect, treasurer, and secretary: The following people were nominated: Ken Hurley, CAC, for president-elect, Anne Dudley, GCC, for treasurer, and Jennifer Jameson, CCC, for secretary.
 4. Southwest Regional AMATYC conference:
 - a. It was determined that we need a session at the fall meeting to find sponsors and exhibitors.
 - b. Board approved the agreement for ArizMATYC to share profits/losses from the conference.
 - c. There are other activities that need volunteers. Contact Dan Russow, AWC, if you are interested in volunteering.
 - d. The current conference board consists of the current southwest affiliate presidents. They will stay as the conference board even though they will no longer be the affiliate presidents after the fall.

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ArizMATYC Business Meeting, continued

5. The “Beyond Crossroads” V7 document was endorsed by the membership.
6. Future meetings:
 - a. Fall meeting is at Central Arizona College- Signal Peak Campus on October 20. A motion was passed to have a \$15 registration fee for the meeting.
 - b. Spring 2007 meeting: Paradise Valley College may host.
7. Directory: still need some schools.
8. Campus Representatives: now have a distribution list for campus reps. Please contact Dan Russow, AWC, if you would like a copy of it.
9. Listserv Membership: done in webmaster report.
10. Hotmath.com: There was a request from Hotmath.com to have access to our listserve. This needs more discussion.
11. Jump Drive Raffle: Diane Lussier – Pima, Downtown Campus. Ray Williams – Dine
12. Hospitality room in Cincinnati: done via the listserve to allocate \$100 for the Hospitality room

Submitted by
Kate Kozak



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 Community College
6000 West Olive Avenue
Glendale, AZ 85302

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



Mark your calendar!

2007 Southwest Regional Conference June 15–16, 2007

The Southwest Region of AMATYC is currently planning the 2007 Southwest Regional Conference to be held Friday and Saturday, June 15th and 16th in San Antonio, Texas. Invited speakers include Dr. Joseph Gillian from the University of Minnesota Duluth and Dr. Gloria White from the Charles A. Dana Center. Hotel accommodations will be available at the St. Anthony's Hotel. The conference committee is comprised of the current presidents of the four state affiliates in the southwest region, ArizMATYC, NMMATYC, OkMATYC, and TexMATYC. ArizMATYC will primarily be in charge of sponsorship and exhibitors and we will start our planning at the fall meeting. If you are interested in taking a more active role in the planning of this conference, please e-mail me at Daniel.russow@azwestern.edu. Otherwise, your help at the fall meeting and most importantly, your attendance at the conference will be greatly appreciated. More news to follow!

Dan Russow