

# ArizMATYC NEWS

VOLUME 5, NO. 1

JANUARY 2007

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## President's Message

With the release of *Beyond Crossroads, Implementing Mathematics Standards in the First Two Years of College*, it is an exciting year for AMATYC. The new document contains guidelines for implementing the 1995 *Crossroads in Mathematics Standards for Introductory College Mathematics Before Calculus*, and an easy to use assessment cycle to measure and improve our progress at all levels: state, local, departmental and in the classroom. The National Council of Teachers of Mathematics (NCTM) has observed that standardized test scores improve when knowledge and skills are connected to each other and to relevant real life applications, as recommended in their standards and ours. The assessment cycle will enable us to evaluate, monitor, and improve the effectiveness of our AMATYC standards.

We are proud of the ArizMATYC members who helped create and publish *Beyond Crossroads*. Arizona contributors honored at the unveiling ceremony at the annual AMATYC conference in Cincinnati include contributing writers Sally Jacobs, Tom Anderson, Scott Adamson, April Strom, James Vivich, Mark Burtch, and Ted Coe. Association Review Group Members were Alan Jacobs and David Dudley. Alan Jacobs was a Section Writer and David Graser is an Electronic Resources Leader.

The call for proposals for the Spring 2007 ArizMATYC Conference at Glendale Community College is posted on the website. Many state affiliates are dedicating their conference this year to the new *Beyond Crossroads* document. I hope some of you will share what you are doing in your classes and math departments to implement the *Beyond Crossroads* standards. Perhaps those of you who attended the AMATYC Conference in Cincinnati could bring us some of the new ideas you heard there. I always enjoy the activities we can try at the Conference and then take back to our colleges and classrooms.

At the ArizMATYC business meeting, we discussed how to attract more members and found that for many colleges it is a question of funding to send more than one college representative to an ArizMATYC conference. Nevertheless, we need to reach out to our colleagues and help them to find a way to attend if possible. We have such talented and dedicated math instructors in our organization and we can learn much from each other as we share our ideas and enthusiasm. So invite a colleague or two to the next conference, display the conference poster in your math department, and encourage everyone at your college to join the listserv for the latest information. Most of all, bring yourself to the meetings. Every one of us makes ArizMATYC better.

Shay Cardell

[www.arizmatyc.org](http://www.arizmatyc.org)

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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**

Results for the first round exam of the 2006 – 2007 Student Math League for both the nation and all regions including the Southwest Region were announced in January. The highest team score nationally was 145.0 (out of a possible 200 points), and the highest individual score was 37.5 (19 correct and 1 incorrect answer.)

Arizona teams participating in Round 1 placed as follows in the Southwest Region:

2nd place	Pima Community College
5th place	Mesa Community College
8th place	Arizona Western College
9th place	Phoenix College
15th place	Paradise Valley Community College

Also in the Southwest Region, individual students from Arizona who scored highest ranked as follows:

7th place	Johnathan Raymond, Pima
11th (tie)	Abram Baliles, Pima, and Aaron Best, Pima
13th (tie)	Nhan Nguyen, Arizona Western, and Christopher King, Pima
16th (tie)	Ryan Felix, Pima
20th	Ryan Moriarty, Mesa

While it might be too late to participate in this year's competition, now is the time to consider participating in 2007-2008. The cost to register your college is \$35; if your college is an institutional member of AMATYC, this registration fee is waived. All that is required at the college is a moderator – someone who is willing to make a few photocopies, advertise and proctor the exam, and report the scores to the national moderator. It is a great way to introduce your students to a competitive exam and to encourage them to have some fun with math. There is even a similar competition for faculty at the national AMATYC conference every fall!

Rules of the student competition and more information is available at the AMATYC website ([www.amatyc.org](http://www.amatyc.org)). You may also contact the Student Math League national moderator by using the link on that page.

## ArizMATYC Campus Reports – October 20, 2006

### Arizona Western College:

- 2 new hires this year
- FTSE has increased 3% in 3 years
- Number of full-time faculty has decreased

### Chandler Gilbert Community College:

- 7% growth this year
- Common finals in all classes
- Learning communities with engineering, calculus, and English promote active learning

### Cochise Community College:

- 1 new hire this year
- 10 years accreditation this spring
- FTSE has doubled in 4 years (Ft. Huachuca is contributing a lot of FTSE)
- Going for \$88 million bond election
- Using Hawkes Learning System software

### Coconino Community College:

- Page position is filled this year
- MAT 121 Intermediate Algebra classes are overfilled
- Going for \$7 million bond election to support new programs

### Diné College:

- Using Accuplacer and having problems with placement into Intermediate Algebra
- It has been requested that they provide a Calculus class for Life Science, but it is too difficult to provide separate course

### Eastern Arizona College:

- Gila County has merged back with EAC
- Implementing mandatory placements for basic math and algebra classes
- A math instructor there has had an aneurism, is doing better, but not yet back

### Gateway Community College:

- Reporting that students are under prepared for classes
- Bringing back MAT 083 and MAT 093, Math Anxiety and Study Skills classes
- Enrollments are good

continued

## Campus Reports, continued

### Glendale Community College:

- 2 new hires this year and 1 more next year
- 36 total math faculty currently
- Enrollment is down 5%

### Mohave Community College:

- Implementing consistent department standards
- Using common finals as assessment for all classes
- Mentoring associate faculty
- Using My Math Lab in online classes
- Taking developmental classes off the internet
- Using proctored tests in 85% of distance education classes
- Graduated 2 math majors

### Northland Pioneer College:

- 1 new hire this year
- New president who is very interested in FTSE
- Many new presidents lately
- Implementing waiver for 1 course level over the placement test score

### Phoenix College:

- 3 new hires this year
- 21 full-time faculty and 28 part-time faculty
- Implementing online and hybrid courses
- Everyone is invited to Mathapalooza (2/22/07 and 2/23/07). There will be many interesting speakers. Info on website

### Pima Community College:

- Using EnableMath program (students do homework on line, teachers get homework reports every week)

### Scottsdale Community College:

- 2 new full-time hires
- Continuing learning communities and research

### South Mountain Community College:

- 1 new hire

continued

## Campus Reports, continued

### Yavapai Community College:

- Using My Math Lab in almost all courses
- Piloting My Math Lab on Black Board for web courses
- New dual enrollment programs

### Central Arizona College:

#### Signal Peak campus (Host):

- The conference was held in their new building with every room a multi-media/ITV room—a great new space for learning; the community really helped to raise the \$1.5 million needed for the building
- 1 new hire this year
- Coordinating curriculum, books, and course offerings
- Going to 3 course set-up for developmental math
- Maybe adding statistics
- Have a grant with Pinal County Education department to tutor middle school math teachers for the test they must take to remain teachers

#### Aravaipa campus:

- Implementing learning communities with geography and math

#### Superstition Mountain campus:

- Hosting a middle school math competition on 11/3/06 (15 middle schools compete in teams of two)
- The competition is aligned with 8<sup>th</sup> grade AIMS test standards

### Northern Arizona University:

- Janet McShane is the new department chair; new hires in Math Education and Statistics
- Current NAU philosophy—If you build it, they will come (many new buildings on campus)
- Enrollment up 5%, so philosophy may be working
- May get new math building soon
- Working with Malaysian students and building international connections
- Using Web Works (online homework program)
- Problems with national database

### University of Arizona:

- Overall enrollment down; Main campus enrollment up, Sierra Vista campus down
- Sierra Vista campus will have different course numbers, for example MATB for Sierra Vista courses
- NSF funding for applied research has been renewed for another 5 years (vertical integration grant)
- New \$5 million grant to work with the Tucson School District to develop master's in math for middle school teachers; program offered at night and in summer, will eventually become distance learning

No campus reports were received from Embry-Riddle, Estrella Mountain, Mesa, Paradise Valley, Rio Salado, Tohono O'odham, Arizona State, Grand Canyon

**ArizMATYC Business Meeting**  
**Central Arizona College, Signal Peak Campus**  
**October 20, 2006**

Meeting convened at 2:30 pm

1. Corrections and Approval of Minutes from last meeting

Motion to approve, 2<sup>nd</sup>, Unanimous approval

2. Reports

A. Treasurer

Treasurer handed out Treasurer's Report; discussion about ArizMATYC conference registration fees—should the registration fee be for 1 year or 2 years? What about lifetime memberships? Motion for \$15.00 fee for 1 year—tabled until later in the meeting. Earned \$500.02 from MAA meeting and \$100 gift from an anonymous member. Delegate funding returned due to college support. Didn't send out checks to winners of Student Math League competition—will do so now. Current balance: \$2124.47. Earned around \$1000.00 today. Will we make or lose money at the Southwest Regional conference? Don't know.

B. Newsletter

Need for newsletter articles. Anyone who has something interesting and informative to say about mathematics and teaching is welcome to send an article for the newsletter. Shouldn't publish scores for Student Math League competition in newsletter due to FERPA issues. O.K. to publish winner's names and team scores. Should go back to past newsletter and pull the scores. Discussion about legality of posting scores. AMATYC doesn't post scores. Decided that we don't need the scores, just the names of the 1<sup>st</sup> and 2<sup>nd</sup> place winners.

C. Webmaster

If a member changes their email or other information, please let webmaster know so info can be changed.

D. President-Elect—Shay Cardell

Election results: Next President-Elect: Ken Hurley; Treasurer: Anne Dudley; Secretary: Jennifer Jameson

E. Past-President—Kate Kozak

Enjoyed her time on the board; will still update directory

F. President—Dan Russow

Will no longer be the president; Shay is now President after today

3. Delegates for Cincinnati AMATYC National Conference

As stated in the agenda, the delegates for the AMATYC are: Shay Cardell (ArizMATYC delegate); David Graser (ArizMATYC delegate); Howard Speier (State delegate); Ana Jiménez (State delegate)

4. Discussion of Southwest Regional AMATYC conference, June 15<sup>th</sup> and 16<sup>th</sup>, 2007 in San Antonio, Texas.

Attendees will stay at the St. Anthony Hotel and go to San Antonio College for sessions  
ArizMATYC is in charge of sponsors and exhibitors.

continued

May only need ArizMATYC funds for copying and mail. Conference website is [www.swregion.matyc.org](http://www.swregion.matyc.org). Call for proposals on website. Conference planning meeting after ArizMATYC Business meeting.

5. Future Meetings

Spring 2007 meeting at Glendale Community College on 2/23/07

Fall 2007 meeting at Yavapai Community College on 10/5/07

2 ATF meetings per year now. Change the structure to ATF 1<sup>st</sup> thing in the morning, then start the ArizMATYC meeting. Provide breakfast for ATF people. Also, give more time for the ATF meeting, probably 2 hours.

ArizMATYC needs to create guidelines for creating and hosting an ArizMATYC meeting.

Discussion about problems with the ATF meetings.

6. What to do with the ArizMATYC conference registration money?

- A. Discussion about fees regarding what the cost for ArizMATYC conferences and memberships should be and what the money should pay for. Motion: Pay \$15 to attend each ArizMATYC meeting, and if you attend one or both meetings (and pay the \$15), then you get a membership to ArizMATYC for one year. If you just want to be a member of ArizMATYC, then you also pay \$15. 2<sup>nd</sup>, Approval
- B. Discussion about lifetime memberships. Money from lifetime memberships can go into a long-term CD and we can only use the interest. It was felt that ArizMATYC is too small an organization for lifetime memberships right now
- C. Discussion about what to do with ArizMATYC money. Should we bring in keynote presenters to the ArizMATYC conferences? Keynotes will build up membership. How much are keynotes?—wide range of prices. Keynotes still will not bring people if their colleges won't let them come. Could also have workshops, sharing ideas, subcommittees, etc. Could bring in non-ArizMATYC people in for keynote presentations
- D. Discussion about allowing students at ArizMATYC conferences. Students should be free at conferences. Students should be free to join ArizMATYC. Students would have to pay for lunch. Still \$5 to join ArizMATYC?

7. Ideas to raise funds for future keynote speakers

Institutional fees; Vendors to bring in speakers and/or pay for food; Basket auction from each institution; Be careful asking vendors for money because prices may end up being higher; No, because they have a set advertising budget.

8. Good of the Order

Jump drive raffle winner: Helen Robur from Chandler-Gilbert Community College

Meeting adjourned at 3:30 pm

Jennifer Jameson, Secretary

# Report on the 2006 AMATYC Annual Conference

by

Ana Jiménez, Arizona Delegate

Pima Community College

Desert Vista Campus

This being my first year as a Delegate, I would have taken more notes had I known I would be reporting on the conference! There were many special events and highlights that I did not have the pleasure of attending, as I was being thoroughly saturated with fantastic ideas presented in sessions throughout the days and reconnecting and networking with friends and colleagues in the evenings. I was able to attend the much talked about Magic Show performed by Phil Cheifetz. I sat dumbfounded at his skill and amazed by his ability to astonish a room full of people whose job it is to “figure it out.”

This year the commitment AMATYC dedicates toward its members was clearly driven. As next year’s conference had to be moved from New Orleans, the Association is raising money to ensure that those members from New Orleans have the funds to attend the 2007 conference in Minneapolis. Furthermore, the three-year grant from Exxon Mobil funding Project ACCCESS (of which I was a fellow in 2004-05) expires this year. Recognizing the value of this project, AMATYC has decided to continue the program and fund it single-handedly. I will continue to donate my time and money to these endeavors in support of these worthy causes and would like to encourage others to do the same.

Regarding the Delegate Assembly on Saturday evening, I enjoyed my first experience immensely and wish to continue to be a delegate as I learn more about the process and commitment. Motions to approve the rules, past minutes and the delegate committee members were all approved. The President addressed the group with an unofficial attendance for the conference of approximately 1159. A reminder was stated regarding next year’s conference, which is to be held November 1<sup>st</sup> through 4<sup>th</sup> in Minneapolis, Minnesota. Finally, the president announced that a traveling workshop coordinator is needed.

A new slogan “Opening Doors through Mathematics” has been coined and zones are going to be used in the future as stated by the Strategic Planning and Conference Committee. The three zones for conference sites will be Pacific, Heartland, and Atlantic.

A motion to amend the constitution regarding dues was passed and the meeting ended with invitations for all to attend various regional meetings. Technically, the Southwest region invited the group of delegates, and other regions followed our lead.

AMATYC has thoroughly impressed me with its dedication to our profession. Establishing *Beyond Crossroads* was a remarkable accomplishment, and I feel great pride for this organization as we look forward to *opening doors through mathematics*.

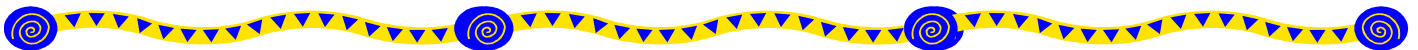




Be sure to mark  
your calendar!

## 2007 Southwest Regional Conference June 15 – 16, 2007

The Southwest Region of AMATYC is planning the 2007 Southwest Regional Conference to be held Friday and Saturday, June 15<sup>th</sup> and 16<sup>th</sup> 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 current and past 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. If you are interested in taking a more active role in this conference, please e-mail Dan Russow at [Daniel.russow@azwestern.edu](mailto:Daniel.russow@azwestern.edu). Your attendance at the conference will be greatly appreciated!



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