



# ArizMATYC NEWS

VOLUME 10 ISSUE 2

JUNE 2012

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## President's Message

Dear ArizMATYC Colleagues,

Twice each year the Arizona Mathematical Association of Two Year Colleges (ArizMATYC) holds a conference for mathematics instructors from two-year institutions in Arizona. These conferences offer various sessions of interest to mathematics educators, as well as a meeting for the Mathematics Articulation Task Force where representatives from Arizona community colleges and four-year universities address articulation issues.

This spring, ArizMATYC had the unique opportunity of holding a joint meeting with the Southwestern Section of the Mathematical Association of America and the Southwestern Undergraduate Mathematics Research Conference. Over the course of three days, more than 230 registrants from a dozen states converged on Pima Community College's beautiful Downtown Campus to attend sessions on programs for pre- and in-service teachers, technology in teaching, undergraduate mathematics research, developmental education, applied and pure mathematics, and engaging students in mathematics. There was a stimulating panel discussion on how to find a job in industry with a mathematics degree and keynote speeches from Dr. Phil Kutzko, Dr. Steven Dunbar, Dr. Omayra Ortega, and Dr. Rebecca McGraw. Dr. Kutzko informed attendees of the National Alliance, a partnership of faculty working to increase the number of underrepresented students in the math sciences. Dr. Dunbar provided a brief history and role of Mathematical Olympiads in mathematical culture. Dr. Ortega shared her interesting journey to and current research in mathematical epidemiology. Dr. McGraw discussed research areas such as technology, cross-cultural comparisons, curriculum and assessment development and the psychology of learning. Finally, we welcomed a diverse group of presenters consisting of faculty, instructors, K-12 teachers, graduate students and undergraduate students coming from Arizona, New Mexico, Texas, Nebraska, North Carolina and Michigan.

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<http://arizmatyc.org/wp/>

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Web page:

<http://.arizmatyc.org/wp/>

**We need your news for the  
ArizMATYC webpage!**

E-mail articles to webmaster  
David Graser at

David\_Graser@yc..edu

## President's Message, continued

We are grateful to Pima Community College for hosting and to all of the participants, presiders, special session organizers and keynote speakers for contributing to the success of this conference. We look forward to our next conference scheduled this fall at Yavapai CC in Prescott, Arizona.

Sincerely,



Ana Jiménez  
ArizMATYC President

Mark your  
calendar now and  
plan to attend:

**AMATYC's 38th  
Annual National  
Conference**

November 8—11,  
2012

Jacksonville, FL



## ArizMATYC Campus Reports — March 30, 2012

Pima Community College—Downtown Campus

### AMATYC Southwest Region:

Encouraged all to become AMATYC members, as well  
The newsletter and MathAMATYC Educator are available to AMATYC members  
9 AMATYC committees available to join – do not require conference attendance  
AMATYC conference in Jacksonville on Nov. 8 – 11, 2012; will have a pre-conference for  
teaching statistics, open to 40 attendees  
Each affiliate will still have a scholarship to offer for conference attendance  
Will have a regional lunch meeting in place of the typical breakfast meeting  
Position statement on proctored testing – requesting input  
Need to choose delegates for November AMATYC conference  
Creating a strategic plan – requesting input  
Spring Board meeting – April 12(?) in Memphis  
Regional meeting proposed for June 2013  
Teacher Excellence Award – nominations due Dec. 6, 2012  
Please contact Kate Kozak with any suggestions or ideas

### General:

Teaching Foundations Project looking for faculty; restructuring courses for pre-service teachers; trying to require 5 courses rather than 3; have 2 additional courses (beyond the 5) for teachers to become Highly Qualified.

### Arizona Western :

Starting in fall, all developmental classes moved to 4 credit hours; UofA has large presence on campus right now, 2 & 2, 2 & 1 & 1 programs, primarily engineering; campus is completely solar – generating enough energy to power entire campus!

### Central Arizona :

Remodeling done at 2 campuses, should be open in Fall; other construction continues; no raise this year; two additional holidays; partners are now included in health benefits

### Cochise:

2<sup>nd</sup> semester of full Dev. Ed. Math modular approach – through Intermediate Algebra; going through credentials of faculty – has led to loss of some adjunct faculty

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## Spring 2012 Campus Reports, continued

### Coconino :

Accredited for another 10 years; NAUx (developmental) program ending - will not run for Fall; no new positions; getting a 2% raise, plus a step; current search for a new vice president – will be restructuring Academic Affairs division; new book for 142

### Estrella Mountain:

Broke ground on Estrella Hall project – getting several new classrooms for Math; moving all tutoring services to one building; Dev. Ed. classes around the tutoring area; accredited for another 10 years

### Glendale:

Accreditation in 2 weeks; working with ASU to rewrite Elementary Ed classes; In West Valley Think Tank to work with grade schools changing to Common Core; no raise; hired two new faculty in Spring, planning to hire one more for Fall

### Mohave:

Hired two new faculty this year; one is  $\frac{1}{2}$  math,  $\frac{1}{2}$  engineering, working in program with ASU; first Differential Equations course in 5 years; accreditation in September

### NAU:

No longer teaching MAT102X – changing to MAT100, will be in Lumberjack math center, 2-credit course, does not count toward degree program, must show mastery to move on to college-level course, entirely online; MAT108 and MAT125 – Modular approach (1 hour in class, 4 hours in computer lab); MAT114 – hybrid format; pre-calculus will be totally modular in the Fall; hiring tenure-track Assistant professor, as well as instructors and lecturers; growing, with larger load and class sizes for faculty; new provost; developing a University College for all Freshman level courses and support services.

### Northland Pioneer:

Moving to hybrid classes and away from multi-class labs; some classes have taped lectures on DVD due to low enrollment; “Full class” is 15+ students; finding many textbooks are not sufficient for hybrid format – writing own books, but using computer-based homework; Theater Arts department was investigated after complaints about the “Grease” production, Board voted to uphold the college’s position on Academic Freedom.

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## Spring 2012 Campus Reports, continued

### **Pima:**

Many acting/interim administrators currently; hiring 4 new faculty; expecting 3.5% raise; Dev. Ed. is NOT eliminated from Pima, Pima Prep Academy is intended for students below 7<sup>th</sup> grade level, costs about \$40, prepares students to begin Pima courses; several models being proposed for Dev. Ed. Math—most popular is the Emporium/Modular model being used on 4 campuses, some accelerated programs, all being piloted/studied; certification/credentialing questions and concerns – help requested by Pima faculty.

### **Scottsdale:**

Received largest NSF MSP grant ever received by a community college - \$8.7 million; many classes moving entirely to Open Source materials; IMathAS – open source online homework system; will hire 2 new faculty and 1 OYO; proposal for 14 iPads; final stages of grant proposal with ASU - \$1.1 million; District is rethinking entire Developmental Math curriculum; no longer using ALEKS as placement, using ACCUPLACER currently, but planning to create own diagnostic test.

### **University of Arizona:**

1<sup>st</sup> semester Calculus broken up into a 1 unit course followed by a 4 unit course; students must pass 1 unit review course to move on to Calculus or go back to College Algebra.

### **Yavapai :**

Remodeling Verde campus; use MyLabsPlus for almost all classes; will be piloting placement testing using MyMathTest in the Fall; will be hosting the Fall ArizMATYC meeting on Oct. 12, 2012 in Prescott; ArizMATYC website is being updated – please send pictures to use on webpage banner.

No reports were received from ASU, Chandler-Gilbert, Diné, Eastern Arizona, Embry Riddle, Gateway, Grand Canyon, Mesa, Paradise Valley, Phoenix, Rio Salado, South Mountain, Tohono O'odham.

# ArizMATYC Business Meeting Minutes—March 30, 2012

Pima Community College—Downtown Campus

Present: Ana Jimenez (Pima), Anne Dudley (Glendale), Laura Watkins (Glendale), David Graser (Yavapai), Kristina Burch (Glendale), Eli Blake (Northern Pioneer), Barbara Armenta (Pima), Sue Jensen (Pima), Andy Burch (Estrella Mountain), Kate Kozak (Coconino)

Meeting called to order at 3:30pm

1. Approval of Minutes <http://arizmatyc.org/newsletters/anevss12.pdf>  
Anne suggested that we put a counter on the newsletter on the webpage to track the number of views/downloads; minutes unanimously approved.
2. Treasurer's Report  
Discussed and approved Treasurer's Report.  
Conference update: Any debt that may be incurred from the Spring conference will be split between ArizMATYC and MAA.  
Project ACCESS clarification: \$100 donation will be made to Project ACCESS for every ACCESS fellow who is awarded the fellowship while working at an Arizona Arizona institution.
3. Secretary's Report
4. Newsletter Report  
Deadline for articles is May 31, 2012; send articles to [sjensen@pima.edu](mailto:sjensen@pima.edu)  
Sue will resign her position at the end of the spring semester.
5. Historian Report  
Found materials from the 1980s; plans to scan materials for archives  
Request for historian to submit an old ArizMATYC article for inclusion in the next newsletter.
6. Webmaster Report  
New Webpage <http://arizmatyc.org/wp/>; purchased access for 3 years  
Suggested that the newsletter be updated continuously on the webpage, rather than posted only once each semester; this would resemble a blog rather than a

continued

## ArizMATYC Spring 2012 Business Meeting Minutes, continued

newsletter. Discussion should continue about the blog/newsletter transition, with a vote expected in the Fall.

7. Membership Report
8. Old Business (From October 2008 meeting—see Spring 2009 newsletter, page 6)
  - A. Recommendations for future meetings:
    1. Ask members to bring someone with them to the next meeting—something we need to emphasize.
    2. Survey what people liked about these meetings in years past.
    3. Advertise what ArizMATYC can do for its members—we need to clean up our membership list; suggested to decrease price for 2<sup>nd</sup> conference /yr for current members; networking with other faculty at other two-year colleges.
    4. Make an online Camtasia tutorial to send out to members to teach different things—intention was ‘webinars,’ but not practical at this time.
  - B. Ideas for Sessions:
    1. Try Debra Rader from the P-20 council—no longer applicable.
    2. Schedule moderators for panel discussions on placement (e.g. Aleks, Accu placer, MyMathTest) - no longer applicable.
    3. Developmental math roundtable; other discussion roundtables—poll members about expertise and what they could present.
    4. Need ideas for finding speakers: NAU speakers bureau, textbook authors, consultants.
    5. Maybe a hands-on technology training—sandbox training at the last two conferences at Pima CC.
    6. Maybe someone from a testing center and/or legal issues about placement-no longer applicable.
    7. Notify membership prior to Spring meeting that ArizMATYC delegates will be chosen during the Spring business meeting; those interested in being a delegate should attend this meeting. Expectations of delegates and benefits of serving should be included in the notification.

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## ArizMATYC Spring 2012 Business Meeting Minutes, continued

9. New Business
  - A. Non-Profit Committee:

Using Paypal, but they take a percentage of every payment; this would not be required if we were “officially” non-profit; paperwork needs to be completed to make ArizMATYC a non-profit– costs include \$850 fee, plus pay AZ Corporation Commission \$10/yr fee, plus income taxes of \$50/yr; we would also lose any ability to lobby. Motion by Ana, seconded by Anne, to remove non-profit status from our Constitution; motion passed unanimously.
  - B. AMATYC Conference Delegates:

Motion by Ana that delegates be required to present at one of the ArizMATYC conferences in the year after they serve, preferably about what they learned from the AMATYC conference, in place of writing an article for the newsletter, seconded by Sue; motion passed unanimously.
  - C. Regional Meeting Update:

Waiting for approval in April; request that Ana resend the proposal to the officers; Shanna Manning is now working for NAU but may no longer be able to be the conference chair – Kate will follow up with Shanna.
  - D. Discussion of Election of New Officers:

Ana’s term as president and Kristina’s term as secretary end at the next meeting; Vote for new officers comes before the next meeting, so they can be announced at that meeting; it is Ken’s job to chair the nominating committee.
10. Election of Delegates to the 2012 AMATYC National Conference
  - A. State delegates (2):

Two new delegates are needed, because neither Kate nor Sue will be able to serve next November; Kristina Burch and Andy Burch will each serve a 1-year term, since they are the terms of those who could not complete their terms; approved by the Board.
  - B. Affiliate delegates (2):

President Ana Jiménez and President-elect Laura Watkins will serve.

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## ArizMATYC Spring 2012 Business Meeting Minutes, continued

11. Future Meetings (see [http://arizmatyc.org/az\\_meeting.html](http://arizmatyc.org/az_meeting.html))
  - A. Fall 2012 ArizMATYC meeting  
Will be held October 12, 2012 at Yavapai (Dave Graser) ; the college will pay \$10/person for the meal; will contact publishers to cover breakfast; may try to organize a happy hour the night before; working on finding a keynote speaker; should have technology services presentations/trainings for a sandbox.
  - B. Spring 2013 ArizMATYC meeting  
Proposed for February 2013; cannot be at Central Arizona, Mesa suggested; back-up could be Glendale or Paradise Valley.
  - C. 2013 AMATYC Regional Meeting -- Flagstaff
  - D. Fall 2013 ArizMATYC meeting -- Northland Pioneer
  - E. Spring 2014 ArizMATYC meeting -- Maybe Central AZ (Ken Hurley)
  - F. We should consider creating a conference committee to help conference organizers; helpful documents available online.

Meeting adjourned at 4:30pm

Respectfully submitted,

Kristina Burch, ArizMATYC Secretary

### **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 \$10 to

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

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

## **The Five Top Reasons to Join AMATYC**

by Kathryn Kozak, Southwest Region Vice President

There are many reasons to join the American Mathematical Association of Two-Year Colleges (AMATYC). Here is a list of the five top reasons:

### 5. Committee Membership

There are many committees in AMATYC where discussions happen around different aspects of teaching mathematics. The committees range from Developmental Mathematics through to Mathematics Intensive. The AMATYC committees are involved in writing position statements, planning themed sessions, and hosting pre-conference sessions. You are encouraged to join a committee, and be part of the discussion on how best to teach mathematics at two-year colleges. You can attend a committee meeting at the 2012 AMATYC Annual Conference in Jacksonville, FL, from November 8<sup>th</sup> through the 11<sup>th</sup>. You can also find out more about committees at [www.amatyc.org](http://www.amatyc.org).

### 4. Leadership

There are many leadership positions in AMATYC. They range from president of the organization to committee chairs. In order to be one of these important leaders, you must be a member. A benefit for many of these leaders is the ability to attend all of the AMATYC Annual Conferences. Don't forget the 2012 AMATYC Annual Conference in Jacksonville, FL, from November 8<sup>th</sup> through the 11<sup>th</sup>. Find out more at [www.amatyc.org](http://www.amatyc.org).

### 3. Webinars

If you want to know more about teaching mathematics and you can't wait for the Annual Conference, there are several webinars offered throughout the year. Attendance is free for all AMATYC members, and notice is sent to AMATYC members before others see the information.

### 2. Conference Pre-session

As an AMATYC member, you are notified before all other mathematics instructors about any conference pre-sessions. Pre-sessions usually fill up very fast, so if you don't register as soon as registration opens, you may not get to attend. There is a pre-session planned on statistics prior to the 2012 AMATYC Annual Conference in Jacksonville, FL, on November 7<sup>th</sup>. Attendance at this pre-session is free.

continued

## The Five Top Reasons to Join AMATYC, continued

### 1. AMATYC Annual Conference

Of courses, there is also the AMATYC Annual Conference. The next conference is in Jacksonville, FL, from November 8<sup>th</sup> through the 11<sup>th</sup>. AMATYC members receive a reduced conference fee.

As you can see there are many good reasons to join AMATYC. Join today. Go to [www.amatyc.org](http://www.amatyc.org) to join.



### Upcoming Dates to Remember:

October 12, 2012: Fall ArizMATYC Meeting at Yavapai College, Prescott, Arizona

November 8-11, 2012: 38th AMATYC National Conference, Jacksonville, Florida