

# AMATYC NEWS<sup>SM</sup>

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## ANAHEIM WELCOMES AMATYC!

by Carol Murphy, Anaheim Local Events Coordinator



Anaheim, California, noted for its orange groves and the "Happiest Place on Earth" - Disneyland®, will be the host to the 39<sup>th</sup> Annual AMATYC Conference from October 31 - November 3, 2013.

Anaheim is located in Orange County, California. It was founded in 1857 by a colony of fifty German families who were grape farmers and vintners

from Franconia in Bavaria. The settlers called the community Annaheim meaning "home by the Santa Anna river" in German. To the Spanish speaking neighbors, the settlement was known as Campo Aleman (Spanish for German field). The founding member, George Hansen, surveyed the original 200 acres which now comprises the city's downtown area. The city was incorporated in 1876 with a population of 881. The grape farming in Anaheim was destroyed by insects in the 1880's but other crops such as walnuts, lemons and oranges became the viable cash crops for the region. In 1887 the Santa Fe depot linked Anaheim's citrus growers with the East making their crops available to more people.

During the first half of the 20<sup>th</sup> century, Anaheim was a massive rural community inhabited by orange groves. One landowner, Bennett Payne Baxter, came up with many new ideas for irrigating orange groves which he shared with other landowners. This helped Anaheim become a thriving rural community. Another agriculturist, Rudolph Boysen, created a hybrid berry which was later named the boysenberry by Walter Knott.

In the mid century, the Disneyland® Theme Park was constructed. Did you know that Walt Disney's original plans for the park were to be built in Burbank, California? But Burbank city officials were concerned that the project for the Mickey Mouse Park containing a lake for fishing, a carousel, a bandstand, and "Main Street" would become a permanent carnival. So the project was denied. The area of Anaheim caught Walt's eye because it had blue skies and a feeling of being transported back to the Midwest where Walt was born. Anaheim became the ideal location for the park because of the many freeways connecting it to the surrounding areas. The park was completed in July 17, 1955, a perfect time since America's traditional vacation month is August. Seven weeks after opening, Disneyland's millionth guest passed through the turnstiles. Since 1955 Disneyland® has become one of the world's most visited tourist attraction. Hotels and motels were constructed and residential districts followed. Anaheim had changed forever. In 2001, Disney's California Adventure® opened and was later renamed, Disney California Adventure® Park in 2010.



Photo courtesy of Anaheim/Orange County Visitor & Convention Bureau

Downtown Anaheim has three historic districts. The Anaheim Resort is a commercial district including Disneyland®, numerous hotels and retail complexes. The Platinum Triangle is an urban redevelopment district surrounding Angel Stadium. The Canyon is an industrial district in the north. Anaheim Hills is a master-planned community located in the city's eastern area that is home to many sports stars and executives.

In the next issue local museums, restaurants and attractions will be presented so you can make your leisure plans while you are visiting Anaheim for the 39<sup>th</sup> AMATYC Annual Conference. For your convenience fly into John Wayne Airport (SNA) since it is much closer to Anaheim. If that is not possible, there will be shuttles from LAX, but try to land during the non-rush hours so you can have a faster trip from LAX to Anaheim. There are also shuttles from John Wayne Airport. See you all in Anaheim.



Anaheim Marriott/Photo courtesy of Anaheim/Orange County Visitor & Convention Bureau

# President's Message



## YOU'RE NEVER TOO OLD (OR TOO NEW)



**Jim Roznowski**  
Delta College  
University Center, MI

I taught my first college class in the mid 70's. I was a graduate student at the same university from which I had received my bachelor's degree. Honestly, teaching at the college level was easy. The students I taught were basically like me. They did their college prep courses in high school and expected their college teacher to provide the information that they would copy down and memorize. They were happy to have me teach the way I was taught.

After I received my master's, I joined the Peace Corp and taught at the SDA Secondary School in Bekwai, Ghana. Obviously, the students were not like me, but my role was basically the same. I had the responsibility to get my students ready to take their national exams. I was expected to review copies of past exams and look for problems that the students could expect to see when they took their exams. I "taught for the test."

Back in the States, I spent three years at a large university; three sections of calculus a quarter, each meeting for an hour five times a week. Class size was sixty so I was literally "the sage on the stage." Again their expectations were that I would tell them what they needed to know to pass the test, the class, and to get their degree.

Then, in the 80's, things began to change; I started teaching at a community college. Many of my students did not have the same preparation as the students at the university. Personally, I felt it was no longer enough to have a 75% class average on the tests I gave. I wanted more than a 50% success rate for students in developmental mathematics. Success as a teacher for me started to be based less on test scores and more on student understanding. If I wanted more students to be successful, I needed to change. The dilemma was, how to teach this not so old dog new tricks.

Looking back the solution was obvious. Like any professional educator, I realized that growth can't stop once you get a degree, but is something that continues throughout your career. Back in the day, professional development consisted of conferences and journals. As you might have guessed, I

found the best opportunities offered by AMATYC. From my first MichMATYC and AMATYC conferences, I met and learned from people who were dealing with the same issues as I. They may not have had all the answers, but they provided ideas that I could take back to my classroom and start to experiment. I developed ways that worked for me on incorporating technology and collaborative learning as tools to promote student involvement and understanding.

One disadvantage of being AMATYC President is that I am not able to attend many sessions at our national conferences. One advantage of being AMATYC President is that you get to represent the organization at other conferences throughout the country and the world. As I mentioned in an earlier article, I spent time last summer at the International Conference on Mathematics Education (ICME) in Korea. I also get to represent AMATYC at affiliate meetings, the Joint Mathematics Meetings (JMM), and at the conferences of NADE, NCTM, and MAA's summer MathFest. At the recent JMM in San Diego, I attended sessions on activities for liberal arts mathematics courses, classroom research, and tactile learning activities in undergraduate mathematics courses. All of these sessions continue to give me ideas that could be used in class.

I invite you to attend the 2013 AMATYC Annual Conference in Anaheim this fall. I am told that the number and quality of the proposals received has been great. As the program takes shape, information will be posted at our website [www.amatyc.org](http://www.amatyc.org) so visit the site often. If you cannot join us on the west coast this fall, you might consider participating in one of the webinars developed by our academic committees or attending the conferences hosted by your AMATYC affiliate. Also watch for conferences hosted by our sister organizations. Where you choose to do your professional development is less important than growing as the professional you are. And finally, remember to complete the professional development cycle by volunteering to present to help others to grow.

# Conference Notes

## ANAHEIM POSTER SESSION

by Honey Kirk, Assistant Conference Coordinator

The popular AMATYC Poster Session will be held on Friday, November 1, 2013, at the 39<sup>th</sup> Annual Conference. This is the perfect opportunity to share your ideas with colleagues.

**What do I share?** Have you tried something new in your classroom? Are you working on a grant project? Have you conducted exciting research? Think about what energizes you and offer to share it with others through a poster.

**How do I submit a proposal?** Look for an email announcement on April 1, 2013, with directions for online submissions on the AMATYC website. The site will be open until May 1, 2013.

**How does the selection process work?** Forty poster proposals will be accepted. Project ACCESS Fellows displaying the results of their required project will be given preference as will those who are not already presenting a session or workshop.

**When will I know if my proposal is accepted?** You will find out by May 15, 2013, if your poster proposal is accepted.

**What do I need to do in Anaheim?** Posters will be on display from 11:00 am - 6:00 pm, with presenters available for discussions from 1:45 - 3:45 pm. AMATYC will provide a tri-fold poster board, and mounting supplies will be available to check out. You will be assigned half a six-foot table for set-up and you are expected to remove your materials at the end of the display time. You are welcome to bring handouts to share with colleagues. However, when planning your display, be aware that no electrical outlets are available at the tables.

**What are my rewards?** Sharing your ideas with colleagues is priceless. Additionally, each poster presenter is recognized with a ribbon for his or her name badge.

## REGISTER EARLY FOR ANAHEIM!

by Keven Dockter, Conference Coordinator

Are you looking forward to the next AMATYC Conference? Can't wait to get together with old friends and make new ones? Then make plans now to attend the AMATYC Conference in Anaheim, CA, October 31 - November 3, 2013.

If you or your college has professional development funds in your current budget that can be used for your registration fee, we have an offer for you. To pay your registration fees from your current budget, please email Beverly Vance at [amatyc@amatyc.org](mailto:amatyc@amatyc.org) and put "Conference Registration Now" in the subject line. Beverly will send you the necessary information so that you can pay for your conference registration NOW!

The miniprogram, which you will receive in August, will include many details of the conference. Until then, information will continue to be added online at [www.amatyc.org](http://www.amatyc.org) and on AMATYC's Facebook page.

You can reduce your costs by sharing your hotel room for the AMATYC Conference. Ask a colleague to be your roommate or send an email to Linda Kodama, AMATYC's Roommate Network Director, at [Lkodama@hawaii.edu](mailto:Lkodama@hawaii.edu), and ask her to help pair you with another conference attendee to share a room. Your email should include your name, gender, email address, telephone number, arrival and departure dates. While AMATYC cannot guarantee a roommate pairing, this process has been successful in the past.

We look forward to seeing you in Anaheim for a lot of fun!

## AMATYC RESEARCH PRE-SESSION — CALL FOR PROPOSALS

by April Ström

Have you conducted research in the teaching and learning of community college mathematics? Do you have research findings from a preliminary study on community college mathematics that you want to share with other faculty? If so, consider presenting at the AMATYC Research Pre-Session in Anaheim!

The Research Committee (RMETYC) is hosting a Research Pre-Session at the Anaheim Marriott hotel on **Wednesday, October 30, 2013, starting at 6:00 p.m.** before the AMATYC conference.

The purpose of the pre-session is for presenters to report on preliminary research in which they are currently engaged and provide opportunities for significant discussion with the audience. Sessions will be 30 minutes, including at least 10 minutes for discussion. A broad range of research reports will be offered – from quantitative to qualitative studies – as well as general sessions about what you can expect from mathematics education research at the community colleges. Proposals focused on at least one of the identified research strands will be given priority.

### Proposal Guidelines

**Abstract:** The abstract is limited to 150 words. Please include in the abstract an informative description of the context, theoretical framework, research questions, goals, and findings.

**Proposal:** The maximum length of the proposal text is 3 pages, single-spaced, Times New Roman 12 point font, with 1-inch margins. The page limit does not include the references or figures. Use standard APA format for references. Preliminary reports should report on ongoing research projects in early stages of analysis. Significant discussion time will allow for feedback and suggestions for future directions for the research. Proposals for preliminary reports are expected to include a list of 2-3 questions that will be posed to the audience during the discussion portion of presentation to help further the research. The audience questions must be included within the 3-page limit.

**Submission:** Proposals should be submitted in PDF format and must be emailed to April Ström, RMETYC Chair ([april.strom@scottsdalecc.edu](mailto:april.strom@scottsdalecc.edu)) by **May 1, 2013**. Additional proposal details can be found on the RMETYC Blog at [www.rmetyc.blogspot.com](http://www.rmetyc.blogspot.com).

# Conference Notes

## THEMED SESSIONS IN ANAHEIM

by Judy Williams, Program Coordinator

If you want a variety of ideas from one stop in one room, then a themed session is the place for you. Six different presenters will have 15 minutes each to provide information related to the theme. If just one of the presentations interests you, then change rooms when the speaker changes.

Thursday morning the Math Intensive Committee will share "Teaching and Learning in Precalculus, Calculus, and Beyond" with sample projects and teaching strategies such as collaborative learning, honors research projects, and engineering applications. The Cajon drum, a box-shaped percussion instrument that can mimic a drum set, can be used to examine a resonance frequency formula in trigonometry. Linear and quadratic functions can provide insight for Precalculus students into auto crashes.

Also Thursday morning, the Teacher Prep Committee will demonstrate "Having Fun Engaging Future Teachers in Mathematical Thinking." Recommendations for the preparation of teachers suggest that students be provided with opportunities to DO mathematics and to develop mathematical habits of mind. Strategies and activities to help pre-service teachers experience that elusive "Ah-ha moment" will be provided. Those dreaded fractions will be multiplied to show how to use the concrete, pictorial, and abstract representations of knowledge, and a game show will introduce participants to the ideas of probability.

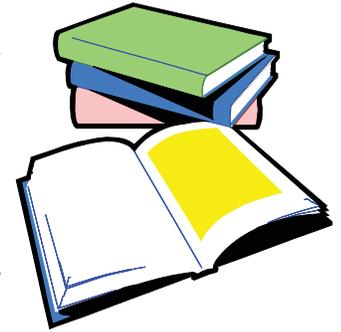
On Friday morning, the third themed session will travel "Pathways to Success in Teaching and Learning Statistics" with discussion and exploration of the pre-requisites, content, technology, philosophical foundations, and applications related to the effective teaching and learning of introductory statistics. Topics will appeal to both new and experienced instructors. Strategies for implementing the American Statistical Association's *Guidelines for Assessment and Instruction in Statistics Education* (GAISE) will be addressed. Data relating English placement scores and success in Introductory Statistics will be shared, as well as ways in which technology can be effective in improving instruction. Examples of projects that can make traditional algebra topics appropriate and appealing for statistics students will be shown. Also, the bootstrap method will be compared to the traditional method for estimating the population mean.

For more details about these talks or the rest of the Anaheim schedule, watch in August for your copy of the miniprogram, or read it online at [www.amatyc.org](http://www.amatyc.org).

# BOOKS! BOOKS! BOOKS! HERE IS YOUR OPPORTUNITY TO HELP

by Keven Dockter, Conference Coordinator

After the tremendous success of the service project at the Austin Conference in 2011, the Anaheim local committee would like to challenge AMATYC members in 2013 to once again help out others who are less fortunate. Through a suggestion by Carol Murphy, Anaheim Local Events Coordinator, AMATYC is teaming up with CASA, Court Appointed Special Advocates of Orange County, to provide books for young readers.



CASA is a non-profit organization that trains community volunteers to serve as mentors and advocates for the Anaheim community's most severely abused, abandoned, and neglected children. CASA serves children who, for their own protection, have been removed from their homes and placed in foster care. The organization pairs volunteers with children to form a one-on-one relationship that is often the only stable, positive relationship the child has. The CASA advocate becomes a consistent and caring friend for the children.

Every year, CASA of Orange County hosts a holiday party where the children will receive gifts. At this party a "book table" is provided and each child is able to select a book of their choice. This is just one way to show the CASA kids how important their education is and encourage them to stay connected in school. Over 600 children, ranging in age from toddlers to 18 years old, come to the holiday party. The majority of the children are twelve and over, so books for the pre-teen and teen level are especially needed. The "book table" is always a big hit with the children and it would not be possible without the generous support of donors.

The Anaheim local committee is asking each individual to bring a new book for a 12 to 18 year old and place the book in donations boxes in the hospitality room at the conference. If just 50% of our attending members bring a book, we will be able to provide books for most of the children attending CASA's holiday party. Imagine their reaction if everyone attending the conference donated a book! A couple of websites with suggested books for teens are [www.goodreads.com/list/tag/teen](http://www.goodreads.com/list/tag/teen) and [www.npr.org/2012/08/07/157795366/your-favorites-100-best-ever-teen-novels](http://www.npr.org/2012/08/07/157795366/your-favorites-100-best-ever-teen-novels). For more information regarding CASA visit their website at [casaoc.org/](http://casaoc.org/).

## FUTURE AMATYC CONFERENCES

2013	Anaheim, CA	October 31-November 3
2014	Nashville, TN	November 13-16
2015	New Orleans, LA	November 19-22
2016	Denver, CO	November 17-20
2017	San Diego, CA	November 9-12
2018	Orlando, FL	November 15-18

For additional information, contact the AMATYC Office at [amatyc@amatyc.org](mailto:amatyc@amatyc.org) or 901.333.6243.

# AMATYC Activities

## STUDENT MATHEMATICS LEAGUE

by Susan R. Strickland, Student Mathematics  
League Coordinator

At the time of this writing, Round 2 of the Student Mathematics League competition is underway. 175 schools participated in Round 1 and the results are as follows:

### Top 5 Teams

1. East Los Angeles College (CA), 175 points
2. West Valley College (CA), 171.5 points
3. Schoolcraft College (MI), 167.5 points
4. De Anza College (CA), 142.5 points
5. El Camino College (CA), 142 points

### Top Schools by Region

1. Northeast - Springfield Technical CC (MA)
2. Mid-Atlantic - Northern Virginia CC (MD)
3. Southeast - Wake Technical CC (NC)
4. Midwest - Schoolcraft College (MI)
5. Central - Normandale CC (MN)
6. Southwest - Austin CC (TX)
7. Northwest - Highline CC (WA)
8. West - East Los Angeles College (CA)

### Top Individual Rankings

1. Hyunwoo Kim, Highline CC (WA), 40 points  
Patrick Dong, Evergreen Valley College (CA)  
Steven Hao, West Valley College (CA)  
Haiguang Du, Northern Virginia CC (VA)  
JiaMing Chen, East Los Angeles College (CA)
6. Rohit Bhadange, Schoolcraft College (MI), 38 points
7. Sahit Bollineni, Schoolcraft College (MI), 37.5 points  
Tony Jiang, West Valley College (CA)  
Edgar Hu, Oakland CC (MI)  
YuanYi Wu, East Los Angeles College (CA)

As usual after Round 1, it is a tight race. I can't wait to see what happens in Round 2!

If your school is not yet participating in the SML competition, consider starting next year. Whether your students score a 40 or a 3, it is good for them to participate and have a little fun outside of class. The dates for next year's competition are **Round 1:** Friday, October 25 through Saturday, November 9, 2013. (This is a wider testing window due to the change in dates for the annual conference). **Round 2:** Friday, February 14 through Saturday, March 8, 2014.

You can read about the SML on the webpage at [www.amatyc.org/SML](http://www.amatyc.org/SML) or email Susan Strickland at [susanst@csmd.edu](mailto:susanst@csmd.edu) with any questions.

Many traditional two-year institutions have begun to offer four-year programs and degrees. Depending on those programs, a school may or may not be eligible to participate in the SML competitions. If an institution would like to participate, a committee has been formed which will review the programs offered at the school and make a determination as to their eligibility for participation in the SML. Any such college may request a review by sending an email to the SML Coordinator, Susan Strickland, at [susanst@csmd.edu](mailto:susanst@csmd.edu).

## AMATYC TRAVELING WORKSHOPS – CONVENIENT, CUSTOMIZED WORKSHOPS BROUGHT RIGHT TO YOUR DOOR!

by Ana Jiménez, Traveling Workshop Coordinator

Equip your full- and part-time mathematics colleagues with the curricular, pedagogical, and technological tools to take their instruction to the next level. Traveling Workshops are a cost-effective way to bring customized professional development workshops to your college or affiliate. There are facilitators who specialize in Developmental Mathematics, Teacher Preparation, Statistics, Technology, Inquiry-based Instruction, Math Across the Curriculum (MAC<sup>3</sup>), Combinatorics, Group Work and Peer Review. Visit the Traveling Workshop webpage at [www.amatyc.org/tw/index.html](http://www.amatyc.org/tw/index.html) to find out more information about this amazing program.

## 2013 AMATYC CORPORATE PARTNERS

by Louise Olshan, Advertising Chair

AMATYC 2013 Corporate Partners  
Hawkes Learning Systems  
McGraw-Hill

The AMATYC Corporate Partnership Program provides AMATYC's commercial friends with an opportunity to maximize their visibility with AMATYC members. Corporate Partners receive advertising and exhibiting opportunities at reduced rates while AMATYC receives, and acknowledges, assured support for its programs and members.

Hawkes Learning Systems has been a Corporate Partner since the inception of the program and McGraw-Hill is in its second year as a Corporate Partner.

You will find the logo for each company at the homepage of the AMATYC website. Clicking on a logo will give you some information about the company. Within that information is a link to the homepage of the company. Be sure to see what the Corporate Partners have to offer AMATYC members.

When you meet with representatives of these companies, be sure to thank them for their continuing support of AMATYC.

# ADVANCING RMETYC'S MISSION AT THE CONFERENCE ON RESEARCH IN UNDERGRADUATE MATHEMATICS EDUCATION (THE SIGMAA ON RUME)

by Irene Duranczyk

Denver was the place to be from February 21 through 24, 2013. Executive board members of Research in Mathematics Education at Two-Year Colleges (RMETYC) hosted a working group on Community College Mathematics Education Research. Six RMETYC board members attended the RUME pre-conference session along with 2 other community college faculty researchers. We received regrets from many past participants who plan on joining us at AMATYC 2013. Our three hour agenda was tight. It included:

- A summary of the work completed at RUME 2011 and RUME 2012, including an outline of ongoing plans for continued submission of research commentaries to journals and other outlets.
- A report on and discussion of the results of the IES proposal, titled Student Success in Mathematics: An Exploratory Investigation of Students, Instructors, and Content at Community Colleges.
- A discussion of a logic model for advancing an evidence-based professional development program for community college faculty involving classroom-based research.
- A discussion and outline of ongoing and future collaborations among working group members to advance research in community colleges.

We have developed a rich group of colleagues to progress on our ambitious agenda. An important part of our discussions revolved around increasing the awareness and importance of doing classroom based research at the community college level.

After reviewing all the short papers presented at RUME, only 3 research projects specified that community college students or faculty were part of the research project. Many papers did not include information on where the data was collected. Some, however, did include universities (10+) or 4-year colleges as the institution where the data was collected. We are again reminded about how important it is to affiliate with our community college roots even if we are attending a university for graduate studies. It is also important to specify if our research includes community college students, staff, or faculty.

Roadblocks that we have faced in seeking research funds and publishing concept papers have highlighted the fact that decision makers without community college experience do not conceptualize the differences in faculty, staff, students, or institutional cultures from either high schools or 4-year institutions. It took the medical and psychological research community a while to discover that what was learned by collecting data from white males limited their understanding of the medical and psychological experiences of other important members of the community. We need more data on the community college classroom to test the hypothesis that students and student learning at the high school, community college and 4-year institution are the same. Many of us with community college experience would be surprised if that hypothesis was true. So as an executive committee of RMETYC we carry forward with our charge to encourage quality research in mathematics education in two-year colleges by (a) providing **organizational support** and **mentoring** for **faculty researchers and institutions** conducting research in mathematics education and its application in promoting effective teaching strategies and (b) providing **support for the dissemination of findings** and results emerging from research conducted with two-year colleges.

Yes, it was difficult getting out of Denver on February 24, 2013, in the midst of "blizzard" conditions but despite that challenge, we gained a lot from our experience and look forward to growing our cadre of community college researchers as we prepare for the AMATYC Research Pre-Session in Anaheim, CA, on Wednesday, October 30, 2013. It will be a Hallow-Evening.

## AMATYC Calendar of Events

*Check the AMATYC website, [www.amatyc.org](http://www.amatyc.org), for information on conferences and meetings from other organizations.*

May 9-11, 2013 WAMATYC/Washington CC Mathematics Conference, Firs Conference Center, Bellingham, WA. Contact: mathconference@whatcom.ctc.edu

June 14-15, 2013 AMATYC Southwest Regional Conference, Coconino CC-Lone Tree Campus, Flagstaff, AZ. Contact: Ana Jimenez, [ajimenez@pima.edu](mailto:ajimenez@pima.edu). Website: [www.tinyurl.com/swamatyc](http://www.tinyurl.com/swamatyc)

September 28, 2013 WisMATYC Fall Conference, Waukesha County Technical College, Pewaukee, WI. Website: [www.wis.matyc.org](http://www.wis.matyc.org)

October 4-5, 2013 MichMATYC Fall Conference, Oakland CC - Orchard Ridge Campus, Farmington Hills, MI. Website: [bit.ly/MichMATYC13](http://bit.ly/MichMATYC13)

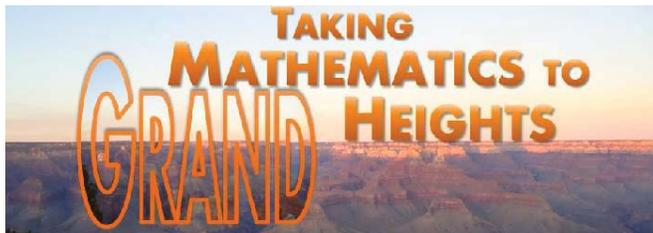
October 11, 2013 IMATYC Conference, North Iowa Area CC, Mason City, IA. Website: [www.imatyc.org](http://www.imatyc.org)

October 31- November 3, 2013 39<sup>th</sup> Annual AMATYC Conference, Anaheim, CA. Contact: AMATYC Office, [amatyc@amatyc.org](mailto:amatyc@amatyc.org)

*A form is available at [www.amatyc.org/affiliates/affiliates-conferences.htm](http://www.amatyc.org/affiliates/affiliates-conferences.htm) to update or add affiliate conference information.*

## 2013 AMATYC SOUTHWEST REGIONAL CONFERENCE

by Kathryn Kozak, Southwest Vice President



You're invited to join us in "Taking Mathematics to Grand Heights" in Flagstaff, Arizona this June 14 - 15, 2013.

Affiliate leaders from Arizona, New Mexico, Oklahoma, and Texas, are joining forces to bring you a fabulous conference in the beautifully wooded setting of Flagstaff, AZ. As the theme suggests, the AMATYC Southwest Regional Conference is aimed at providing you with rich professional development opportunities to take your students' mathematical experience to the next level. With presenters from Arizona to Florida, the AMATYC Southwest Regional Conference promises amazing opportunities to hear from your colleagues from across the nation on topics ranging from online courses' high quality standards to Singapore mathematical strategies.

With June highs in the 70s, Flagstaff is the perfect location to enjoy the great outdoors, including the beautiful south rim of the Grand Canyon. For more information about local attractions and to register for the conference, visit the AMATYC Southwest Region Conference website: [tinyurl.com/swamatyc/](http://tinyurl.com/swamatyc/). We're excited to see you there!

## PRE-SERVICE TEACHERS FIND TOP 11 WEBSITES

by Nancy Sattler, President Elect

Professor Ji Won Son, from the University of Tennessee, asked her pre-service teachers to research useful websites for their teaching. The results were presented at the International Congress on Mathematics Education (ICME) in July 2012, and are as follows:

- Cool Math 4 Kids ([coolmath4kids.com](http://coolmath4kids.com))
- Math Playground ([mathplayground.com/games.html](http://mathplayground.com/games.html))
- The Math Forum: Teachers' Place ([mathforum.org/teachers](http://mathforum.org/teachers))
- Illuminations: Resources for Teaching Math ([illuminations.nctm.org](http://illuminations.nctm.org))
- AAA Math ([aaamath.com/index.html](http://aaamath.com/index.html))
- The Lesson Plans Page ([lessonplanpage.com/Math.html](http://lessonplanpage.com/Math.html))
- Fun Brain ([funbrain.com](http://funbrain.com))
- A Plus Math ([aplusmath.com](http://aplusmath.com))
- Cool math ([coolmath.com/index.html](http://coolmath.com/index.html))
- Free Elementary and Preschool Math Activities Educational and Interactive Online Kids Math Games and Lessons ([apples4theteacher.com/math.html](http://apples4theteacher.com/math.html))
- PBS Teachers Math Resources ([pbs.org/teachers](http://pbs.org/teachers))

## FOCUS ON AFFILIATE: NCMATYC

by Ann DeBoever, NCMATYC President

Change abounds in the mathematics world of North Carolina Community Colleges! While the mathematics doesn't change, many changes are being made to the course offerings through the Developmental Education Initiative and the Math Curriculum Improvement Project (Math CIP).

The 2012 NCMATYC annual conference was held at Cape Fear CC in Wilmington, NC, on March 15-16, and was one of the best attended conferences in the history of NCMATYC. The theme of the conference was "Today's Conference Becomes Tomorrow's Classroom!" The beautiful city of Wilmington and the local beaches were the perfect backdrop for the attendees who gathered to share their expertise as mathematics instructors. Many sessions were devoted to the Redesign of Developmental Mathematics in our state. Presenters shared ideas on classroom instruction for the new modules while others discussed scheduling issues. And, of course, many other sessions addressed our varied curriculum level courses. The keynote speaker was Andrea M. Grimaldo, and the closing session speaker was Benny Evans, Ph.D. Karen Gaines traveled from St. Louis CC in Kirkwood, MO, to share her workshop "MCSI: Mathematical Crime Scene Investigations."

For the 2013 annual conference, over 180 attendees traveled to the mountains of North Carolina. The March 14-15 conference was held at Haywood CC in Clyde, NC, where 25 years of NCMATYC were celebrated.

The keynote speaker was Julie Miller, and Gary Rockswald was the closing speaker. Guests for the conference included Annette Cook, AMATYC Southeast Vice President, Amy Getz from the Dana Center at the University of Texas, and Evan Evans from Frederick CC in Frederick, MD. Mr. Evans is a former AMATYC Project ACCESS Fellow.

The theme for this conference was "Climbing the Slippery Slope of Mathematical Change." During the conference many discussions took place regarding the work done by the Steering Committee of the Math CIP. The development of a Quantitative Literacy course is one of the projects of this committee.

North Carolina has been hit especially hard by workers being laid off from their jobs and many businesses closing. Many students have extreme financial needs. Attendees to this year's conference brought non-perishable food items and household items to distribute to those in need in Haywood County.

Several NCMATYC members attended the AMATYC Conference in Jacksonville, FL. Meeting other affiliate members from across the nation was exciting and fun. Some presented a session, one gave an invigorating presentation at the Ignite Event, and all learned something new to bring back to their classrooms.

The NCMATYC Conference is usually held in March or early April each year. Check our website [www.ncmatyc.org](http://www.ncmatyc.org) to find information regarding the 2014 conference. Everyone is invited!

# AMATYC Appointments

## ASSISTANT CONFERENCE COORDINATOR APPOINTED

Honey Kirk assumes the duties of Assistant Conference Coordinator. As an Army wife for 30 years, Honey had the opportunity to teach all levels of mathematics throughout the United States as well as Germany and Korea. She is currently a Professor of Mathematics at Palo Alto College in San Antonio, TX. She divides her teaching duties between Developmental Mathematics classes and Mathematics for Elementary Teachers where she loves both populations of students.



Honey has conducted numerous workshops and sessions at local, regional, and national conferences and enjoyed serving as the Local Events Coordinator for AMATYC 2011 in Austin, Texas. Previously she was an assistant coordinator for the Phoenix Institute which hosted eight popular Developmental Exchanges for developmental English, reading, and math educators in Texas. She is active in TexMATYC and serves as a Texas delegate to AMATYC.

When not traveling to conferences, Honey is visiting her three favorite (and only) grandsons. Honey is the co-author of a combined Beginning and Intermediate Algebra textbook.

## TRAVELING WORKSHOP COORDINATOR APPOINTED

Early in 2013, the AMATYC Board appointed Ana Jiménez as the new Traveling Workshop Coordinator, effective through the 2015 AMATYC Conference.

Ana has been teaching mathematics at Pima CC in Tucson, Arizona since 1996 and is currently serving as Conference Chair for the 2013 AMATYC Southwest Regional Conference as well as Pima CC Education Association President. She has organized several conferences throughout her tenure as ArizMATYC President and will use those skills in her work as Traveling Workshop Coordinator.

Ana Jiménez is grateful to the AMATYC Board for affording her this opportunity to promote and coordinate Traveling Workshops throughout the nation. She encourages anyone interested in facilitating or hosting a Traveling Workshop to visit the Traveling Workshop webpage to join in this amazing program that brings customized professional development to your college or affiliate.



## MATHAMATYC EDUCATOR EDITOR APPOINTED

My name is David Tannor and I would like to extend my sincere gratitude to the AMATYC Executive Board for the opportunity to serve AMATYC this past year as AMATYC News Editor, and now, another privilege of assuming the role of editor for *MathAMATYC Educator*. Working with the News would not have been possible without the help of Christine Shott (AMATYC Publications Director), Kathryn Kozak (my liaison and VP of the Southwest region), authors who provided articles, reviewers, and all readers of the News. A big thank you to you all.



I am excited about my new position as editor for the *MathAMATYC Educator*, and I am looking forward to working with the wonderful publication team in continuing the tradition of producing a quality journal for AMATYC. If you would like an article to be considered for publication, or have an idea for an article, I would like to hear from you. In the coming months, we will be featuring an issue on international mathematics. Stay tuned! For more information about the journal, please visit [www.amatyc.org/publications/](http://www.amatyc.org/publications/).

## AMATYC NEWS EDITOR APPOINTED

Daniela Zemanek has been appointed as the new AMATYC News Editor. Daniela received her degree in mathematics from the West University in Timisoara, Romania. She taught mathematics in Romania for four years before she moved to Greenville, NC in 2003. Daniela has been working as a Curriculum Math Instructor at Pitt CC since 2004. She has taught courses ranging from Pre-algebra through Trigonometry and Statistics. She has been a major contributor in improving educational access to students by teaching traditional, hybrid, online, and weekend sessions. For a few years she taught developmental mathematics courses at East Carolina University (ECU) for students with dual enrollment at ECU and Pitt CC. She is the recipient of the National Society of Leadership and Success 2011 Excellence in Teaching Award.



Daniela is an active member of the state organization North Carolina Mathematics Association of Two-Year Colleges (NCMATYC). She is the Campus Representative for this affiliate, often writes articles for the *NCMATYC News*, is a regular presenter at NCMATYC Conferences, and was a Southeast delegate at AMATYC conferences. In 2007 Daniela seized the opportunity of the newsletter editor for the NCMATYC and continues with her duties today.

# Committee Reports

## DIVISION/ DEPARTMENT ISSUES COMMITTEE

by Sean Simpson, Division/  
Department Issues Committee Chair

The Division/Department Issues Committee responds to issues regarding department chairs, adjunct faculty, qualifications, mentoring of faculty, diversity and international mathematics education.

During the recent Jacksonville conference, we conducted the annual chairs colloquium which was a great success. Another colloquium is planned for Anaheim. During the committee meeting we reaffirmed the Support for Professional Development statement, and sent the Working Conditions for Adjunct Faculty statement to subcommittee. It was great to see some new faces in the crowd!

The goal for this spring is to hold a webinar focusing on obtaining a full-time job at a community college. Look for announcements in your email and be sure to pass it along to interested folks!

For those that are unable to attend the annual conference, you can still be a part of the committee! We do some of our work on position statements via email, and you are invited to participate. For more information on this, or about the committee in general, please contact the committee chair, Sean Simpson, at Sean.Simpson@sunywc.edu.

## MATH FOR AAS PROGRAMS

by Ned W. Schillow, Math for AAS  
Programs Committee Chair

A new discussion board has been set up by the Math for AAS Programs Committee, open to all persons interested in teaching issues primarily related to those mathematics courses which serve students in applied programs. Such areas include technology, health sciences, business, food services, fashion and design and the like. All are encouraged to go to [amatycaas.proboards.com/](http://amatycaas.proboards.com/) and register into the site.

## STATISTICS COMMITTEE

by Mary DeHart,  
Statistics Committee Chair

A statistics themed session, *Pathways to Success in Teaching and Learning Statistics*, will be held on Friday, November 1, 2013, at the 39<sup>th</sup> AMATYC Annual Conference in Anaheim. The themed session will include discussion and exploration of the pre-requisites, content, technology, philosophical foundations and applications related to the effective teaching and learning of introductory statistics. It is designed to appeal to both new and experienced instructors. The themed session was planned in response to the input of AMATYC Statistics Committee members, both at the Committee meeting at the AMATYC Conference in Jacksonville and as part of an ongoing group discussion via email.

The first webinar sponsored by the AMATYC Statistics Committee made its debut on March 19, 2013. Michelle Everson facilitated the session, which focused on the planning and management of an online course, strategies to involve students in active learning in the online environment, and tools with which to create materials for online courses.

The American Statistical Association (ASA) Committee on Two-Year College was retired a few years back. At the request of ASA and AMATYC a new AMATYC/ASA Joint Committee was formed on January 1, 2013. There are three AMATYC members and three ASA members on the Joint Committee. The first three AMATYC members are: Julie Hanson, serving through 2013; Mary DeHart, serving through 2014, and Mary Moynihan, serving through 2015. The AMATYC Statistics Committee will be making a recommendation to the AMATYC Board regarding the appointment of a Joint Committee member to assume the duties beginning in January of 2014. That search process will begin in the spring of 2013. All Statistics Committee members will be invited to apply.

If you are an AMATYC member and would like to join the Statistics Committee, please contact Mary DeHart at [mdehart@sussex.edu](mailto:mdehart@sussex.edu).

## PROFESSIONAL DEVELOPMENT UPDATE

by Jon Oaks, Professional  
Development Coordinator

AMATYC's 2013 Webinar Series recently kicked off with Selina V. Mireles presenting on "FOCUS - A Model Mathematics Co-Requisite Program." Although there was a slight technical glitch with the slides, webinar attendees were treated to a great presentation about an exciting initiative in developmental education in which students take a developmental math class and a college-level math class in the same semester. Other webinars for the spring season include Michelle Everson's presentation on "Teaching Statistics in the Online World."

If you have a topic that you would like to present in an upcoming webinar, please contact one of the AMATYC committee chairs. Their contact information is listed on the AMATYC website. If the committee is currently looking to host a webinar, the committee chair will then pass your contact information on to me. It is imperative that this protocol is followed in order for me to know which committee is sponsoring the webinar.

## JANUARY AMATYC NEWS MAILING

by Beverly Vance,  
AMATYC Office Director

Members receiving their AMATYC mail at home noticed a mailing address error in the last newsletter. There was a sorting error made in the mailing list before it was delivered to the distribution center. The street address, city, state, and zip code appeared correctly; however, the name on the label for that address was not correct. We regret any inconvenience this may have caused.

# AMATYC PROFESSIONAL NETWORKING — FACEBOOK AND TWITTER

by Mary Beth Orrange, AMATYC  
Secretary

Looking for ways to connect with AMATYC throughout the year? AMATYC has a Facebook site and a Twitter account. Information posted on these sites includes items such as webinar announcements, conference updates, and links to relevant articles as well as general information about teaching math. If you have a personal Facebook account, “like” AMATYC, and if you have a Twitter account, “follow” AMATYC so that AMATYC information will be shared with you on a regular basis. Simply search for **AMATYC** on either site and you will find us!

The **AMATYC News** is the official newsletter of the American Mathematical Association of Two-Year Colleges and is published four times per year in January, April, August, and October. Your articles, announcements, comments, and letters to the Editor are welcome. Submit all materials by November 27, March 1, June 1, and August 15 for the respective issues.

**Address changes should be sent to:**

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5983 Macon Cove

Memphis, TN 38134

Phone 901.333.6243 Fax 901.333.6251

amatyc@amatyc.org

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# AMATYC ELECTRONIC SERVICES

by George Hurlburt, Website Coordinator



Help us spread the word  
[facebook.com/amatyc](https://www.facebook.com/amatyc)



Find us on Twitter  
[#AMATYC](https://twitter.com/AMATYC)

Please take a few minutes to visit the AMATYC website at [www.amatyc.org](http://www.amatyc.org), the AMATYC Facebook page, and follow AMATYC on Twitter. Visiting these sites will keep you up-to-date with everything occurring with AMATYC, especially the 2013 AMATYC Annual Conference in Anaheim and upcoming AMATYC Webinars.

If you were unable to attend the 2012 AMATYC Annual Conference in Jacksonville, check out the proceedings page. Quite a few presentations were recorded and have been posted. The handouts and PowerPoint files for many other presentations are also posted.

Videos of previous Webinars are available, as well as past copies of the *AMATYC News*, and abstracts from *The AMATYC Review* and *MathAMATYC Educator*. Finally, if you are looking for employment, visit the Job Board.

## MAA SEEKS FIELD TEST SITES FOR NEW RESEARCH-BASED PLACEMENT TESTS

The Mathematical Association of America (MAA) is developing new placement tests for Algebra, Precalculus and Calculus that are guided by a broad body of research on understandings and reasoning abilities that are needed to be successful in these courses. The first of these tests, the Calculus Concept Readiness (CCR) test, was finished in 2010 and is now a part of the MAA/MapleSoft Placement Testing Suite. The second test, the Algebra and Precalculus Concept Readiness (APCR) test, has been pilot tested and is now ready for field-testing at a variety of postsecondary institutions across the U.S. Institutions interested in being a field test site are invited to contact Bernard Madison ([bmadison@uark.edu](mailto:bmadison@uark.edu)), Director of the MAA Placement Testing Program and director of the NSF-funded project that is developing APCR and disseminating information about both CCR and APCR. Field-testing will use both CCR and APCR, each of which is a 25-item multiple-choice test.

There is considerable evidence that many Precalculus and Calculus courses at both secondary and postsecondary institutions require low levels of cognitive demand and do not require students to demonstrate or apply their understanding of the courses' central ideas. The goals of the MAA initiative, including the NSF-funded on-going project, are to influence both placement and instruction in Precalculus and Calculus courses.

Both CCR and APCR are based on the fact that understanding the role of functions is the central idea in Precalculus and Calculus, and a process view of functions is necessary for effective understanding and applications. This combined with proportional and covariational reasoning about how variables change forms the core of what CCR and APCR assess.

The current NSF project (DUE-1122965) is entitled Using Research to Shape Instruction and Placement in Algebra and Precalculus. The project's PIs are Madison (University of Arkansas), Marilyn Carlson (Arizona State University), and Caren Diefenderfer (Hollins University).

# Mathematics Excellence Award

## 2014 MATHEMATICS

## EXCELLENCE AWARD

### NOMINATE A COLLEAGUE SOON

Nominations are now open for the next AMATYC Mathematics Excellence Award. The deadline for nominations isn't until November 1, 2013, but it isn't too early to think about who you could nominate for the award NOW! Do you have a colleague who you think deserves special recognition for his or her outstanding contributions to mathematics or mathematics education in two-year colleges?

The awardee will be selected by the committee based on the following ranking: national reputation (20 points); leadership and activities in professional organizations (20 points); professional talks and presentations (10 points); awards and grants received (10 points); publications (10 points); professional activities on a regional, state, and national scale (10 points); teaching expertise (15 points); and other contributions to mathematics and/or mathematics education (5 points). The following information is requested for each nominee:

- A résumé or vita, not to exceed three pages;
- Three letters in support of the nomination, which includes the letter of nomination. At least one letter of recommendation should be from outside the nominee's AMATYC region. (Letters of support that elaborate on qualities mentioned in the résumé or that point out additional exemplary characteristics of the nominee are more helpful to the committee than letters that simply reiterate items mentioned in the résumé.)

The award will be presented at the 2014 Annual Conference in Nashville, TN.

For more information, contact the Mathematics Excellence Committee member in your region or visit the AMATYC website, [www.amatyc.org](http://www.amatyc.org).

Committee member	Region/Email
Susan McCourt	Northeast <a href="mailto:susan.mccourt@bristolcc.edu">susan.mccourt@bristolcc.edu</a>
Christine Mirbaha	Mid-Atlantic <a href="mailto:cmirbaha@ccbcmd.edu">cmirbaha@ccbcmd.edu</a>
Debbie Garrison	Southeast <a href="mailto:dgarrison@valenciacollege.edu">dgarrison@valenciacollege.edu</a>
Mary Ann Hovis	Midwest <a href="mailto:hovis.ma@rhodesstate.edu">hovis.ma@rhodesstate.edu</a>
Ben Moulton	Central <a href="mailto:ben.moulton@uvu.edu">ben.moulton@uvu.edu</a>
Mary Robinson	Southwest <a href="mailto:maryrobn@comcast.net">maryrobn@comcast.net</a>
Ann Sitomer	Northwest <a href="mailto:asitomer@pcc.edu">asitomer@pcc.edu</a>
Stephen Toner	West <a href="mailto:Stephen.toner@wvc.edu">Stephen.toner@wvc.edu</a>

**Nominations close November 1, 2013.** Submit nomination materials to Rob Farinelli, AMATYC Past President and Chair of the Mathematics Excellence Award Committee by email at [rfarinelli@csm.edu](mailto:rfarinelli@csm.edu).

## REFLECTIONS FROM THE MATHAMATYC EDUCATOR PRODUCTION

### MANAGER

by George Alexander, Production Manager for the  
*MathAMATYC Educator*

It has been just over a year since my term as production manager for the *MathAMATYC Educator* started, and I would like to take this opportunity to thank the wide array of people who made my transition here a wonderful experience. Without the solid groundwork others had laid out ahead of me, this would have been a truly daunting task. Jim Roznowski was the previous production manager, who brought the journal to life through its first three years. Pete Wildman also oversaw this creation, dutifully serving as editor. Jane Tanner serves as the publication's liaison to the AMATYC Executive Board. Other significant roles are played by staff in the AMATYC office and advertising support. I also want to recognize the excellent work by the layout artist, Annalise Haynes. Her artistic expertise, combined with some mathematical background, is responsible for the beautiful final product.

At this time, I welcome David Tannor as the new editor for the *MathAMATYC Educator*. His term started in January, and the May 2013 edition will show the full fruits of his editing labors. David takes on the legacy of the quality others have set in place. I am sure that he will live up to the expectations, and I look forward to working with him on this project in the coming years.

The *MathAMATYC Educator* is a peer-reviewed journal focused on mathematics teaching and learning at two-year colleges. This journal seeks articles that are research based and articles that offer practical applications that can be used in the classroom. All articles should be the original work of the authors and should not have been previously published in other journals. Complete author guidelines can be found online at [amatyc.org/publications/mathamatyceducator/AuthorGuidelines.htm](http://amatyc.org/publications/mathamatyceducator/AuthorGuidelines.htm).

Aside from the articles that make up the main features, please consider submitting other content to the *MathAMATYC Educator* that help to complete each issue. Contributions of "Lucky Larry" or "Lucky Lucy" items are used to fill out pages at the ends of articles. Other such filler might include original artwork or photographs with a mathematics theme, short proofs, or tidbits of teaching wisdom. Letters to the editor are also encouraged for sharing comments on previously published articles or offering opinions on topics pertinent to mathematics education at two-year colleges.

Daniela Zemanek, Editor  
AMATYC News  
Southwest Tennessee CC  
5983 Macon Cove  
Memphis, TN 38134

## AMATYC ELECTIONS

AMATYC elections will be held this fall. Only individual, regular members may vote in this upcoming election. Institutional contacts are not voting members of AMATYC unless they are also individual, regular members of AMATYC. Therefore, institutional contacts, adjunct, retired, and student members interested in supporting colleagues in this upcoming election should join as individual, regular members no later than May 31, 2013.



Go to the AMATYC database and confirm your personal contact information, especially your email address, as soon as possible. Electronic voting will be used again for the election being held in the fall of 2013. It is essential that email addresses for all individual, regular members (full benefits) are correct in order to participate. Please confirm your email address today! Report any problems to Beverly Vance at [bvance@amatyc.org](mailto:bvance@amatyc.org).

**Verify your email address in the AMATYC database Today!**

## Notes and Reminders!

### Call for Presiders in Anaheim!

Would you like to preside over a session at the 2013 AMATYC Annual Conference? If so, apply at [www.amatyc.org/Events/conferences/2013Anaheim/presenters/presider-application.htm](http://www.amatyc.org/Events/conferences/2013Anaheim/presenters/presider-application.htm). If you would like your name to be included in the conference program, **apply by July 15.**

Call for Nominations for the 2014 Mathematics Excellence Award  
Deadline: **November 1, 2013**

For more information visit  
[www.amatyc.org](http://www.amatyc.org)

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