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## Anaheim, Beyond the Conference

by Carol Murphy, Anaheim Local Events Coordinator



The 2013 AMATYC Annual Conference is almost here. There is still time to make a quick travel plan to get to the west coast to join the never-ending fun. Two fun-filled places within walking distance from our hotel are Disneyland and Disney California Adventure Park. A link to discounted tickets for one day park non-hopper or hopper tickets can be found on the AMATYC website at [www.amatyc.org](http://www.amatyc.org). The parks are open

from approximately 10 am to 11 pm. If you venture into the world of Mickey Mouse and the Disney adventures around Halloween weekend you will be entertained by a Haunted Mansion, Space Mountain Ghost Galaxy, the Twilight Zone Tower of Terror, nighttime World of Color, and Main Street decorated with a huge pumpkin display. If you happen to bring your children along, Mickey's Halloween Party is available for a few extra dollars.

Anaheim Garden Walk is Orange County's newest oasis of outdoor shopping, dining, and entertainment and is just a short distance from the Marriott. You can dine at restaurants you will only find in Anaheim such as FiRE + ICE or Bar Louie, or at upscale chain restaurants such as Bubba Gump Shrimp Co., PF Changs, McCormick & Schmicks, or Roy's Hawaiian Fusion Cuisine. You will also find unique shops and entertainment

including a bowling lounge, an UltraStar Cinema, Heat Ultra Lounge (a Las Vegas style night club), or Pop the Cork Wine Bar. You will find hours of fun, food, and shopping within minutes of our conference.



If one day excursions are in your plans, try the Universal Studios Tour to see where Hollywood movies are made. You will learn the secrets behind the making of many blockbuster movies, current ones as well as those from the past. You will also experience heart-pounding rides that put you in the middle of some of the world's biggest movie scenes.

Another day excursion could be a cruise off Newport Beach to see the blue whale migration during late fall. Giant blue whales were once

➤ *Continued on page 10*

## The New and Improved AMATYC Website

As you have probably noticed by now, over the summer AMATYC updated its website. The conversion to the new site was the result of a year-long process involving many leaders, members, and friends of AMATYC. This involved a careful consideration of the services needed, an investigation and comparison of several potential web service providers and their associated costs, the migration of all web content and membership data to the new server, the design and beta-testing of the new website, the official launch of the site, and the ongoing post launch fine-tuning of the site.

For about twenty years AMATYC used volunteer website coordinators who used html programming or web publishing software to create and update webpages. About three years ago AMATYC moved its member database to an online format so that members could register for conferences and other AMATYC events and update their contact information online. Because the webhosting service provider and online membership service providers were different, there was very little integration in the services. The new content management system integrates all of AMATYC's web services.

The advantages of the new content management system for members are numerous. For example:

- The new design offers quick and intuitive navigation. Menus to the left and bottom of each webpage enable popular pages to be found quickly.
- Social media buttons are visible so that visitors can *like* and *share* AMATYC pages.
- Website visitors no longer need to leave the AMATYC site to take care of membership transactions. A seamless transition now exists among AMATYC online content and membership data.
- Members may soon be able to access back issues of the AMATYC journals in a members-only section of the site.

➤ *Continued on page 10*

# President's Message



## Still Passionate



Jim Roznowski  
Delta College  
University Center, MI

This fall marks my fortieth anniversary as a fulltime teacher. It was in the fall of 1973 that I took my first position at a small parochial junior high school. Those were the days of filmstrips, dittos, slide rules, CRC math tables, and typewriters. Many of you were not born and some of your parents might be the right age to have been my students. I won't refer to them as the "good old days," but life and teaching were a lot simpler. Being the "sage on the stage" was easy compared to what we do in today's classrooms.

Less than five years later, I was teaching at a community college. Sadly, not much was different. Yes the content of some of the courses I taught was more advanced, but the methods of instruction were much the same. Change was slow in coming - at first. Consider that the first TI-81 graphing calculator was not introduced until 1990 but only five years later we had one of the first symbolic calculators, the TI-92. It now seems to me that change has become a continuous function.

Ruby is the symbol for a fortieth anniversary, because (according to the Internet) "rubies possess an eternal inner flame which is a symbol that the passion is still very alive after 40 years." Although I have been out of the classroom for about a year, I still am passionate about the wide variety of new and innovative ideas related to education that are continuously being discussed.

Collaborative learning was something I tried to incorporate into my teaching from the beginning. To show you how things have changed, my first principal insisted I get my students' desks back in rows and do some teaching (lecturing). Now many of us are developing flipped classrooms in which collaboration among students is central to learning. I first heard of the idea at a WisMATYC meeting more than a year ago and have learned more at other affiliate meetings and national conferences I have attended. During the upcoming AMATYC conference in Anaheim, I hope to find the time to attend some of the sessions scheduled on flipping to learn more.

Technology is another thing that I remain excited about. As calculator use has become ubiquitous, I want to learn about creating more interactive electronic materials for students. At April's NCTM conference in Denver, I attended a number of sessions on bringing Google Maps and iBooks into the classroom. This past summer, I experimented with creating my first iBook. Although it is not mathematics related, I am thinking of different ways to use this medium to provide students with a richer learning experience.

Passion without resources will not accomplish very much. For me, having a variety of sources for professional development has allowed me to implement change. I hope you are planning to join us in Anaheim, but if not, consider the other professional development opportunities available through AMATYC, our affiliate organizations, or one of our professional sister organizations.

I believe my anniversary milestone has gotten me to look back but also to look ahead. Even if I don't return to the classroom in the future, I wish to remain active as a professional educator. There is so much to learn and to teach. Later this fall, I will be representing AMATYC at the next meeting of the Conference Board of the Mathematical Sciences and at other meetings. Even after I leave the position of AMATYC President, I will still be representing two-year college mathematics faculty on the U.S. National Commission on Mathematics Instruction (USNC/MI).

In closing, although I am writing this in August it will be my last article as AMATYC President. It may be a little premature to say good-bye. Even after I pass the gavel to my successor, Nancy Sattler, at the end of the conference in Anaheim I will still have two months remaining as president. I do however want to take this opportunity to thank all of you for your support during my terms on the AMATYC Executive Board. I especially want to thank the AMATYC and affiliate members from the Midwest region and the individuals throughout the country that I have met and had the privilege of working with.

AMATYC is a great organization and you, its members, are crucial to its future. One of the responsibilities of the immediate past president is chairing the Nominating Committee. The goal of every Nominating Committee is to develop a slate of excellent candidates to serve on the AMATYC Executive Board and keep the organization strong and a vital resource to our profession. If you want to learn more about the positions of president-elect, treasurer, secretary, or regional vice president, talk with me about the positions while we are in Anaheim or send me an e-mail. Nominations are not due for a while, but now is a great time to start considering the possibilities. I encourage every one of you to consider taking on a greater role in the organization. If not serving on the board, then consider becoming a chair of an academic committee, a coordinator, or a more involved member of your affiliate.

So, as Garrison Keillor said, "Be well, do good work, and keep in touch."

# Conference Notes

With eight to ten weeks of the Fall Semester completed, I hope all is well. The AMATYC Conference in Anaheim is just around the corner. I look forward to seeing many of you at the Anaheim Marriott enjoying great sessions, good friends, and beautiful weather.

The last AMATYC News highlighted some of the outstanding sessions you will find this year. What might happen though, if you find a time slot where nothing interests you? In Anaheim, you should check out the Impromptu Room! The conference coordinators have set aside one room Thursday - Saturday that does not have any sessions scheduled in it. Outside the room you will find a sign-up sheet where people can write down a topic they want to discuss and the time they will be available. Join in! Meeting professionals agree that as much is learned from discussions with colleagues at a conference as in the scheduled sessions.

But, what if you are unable to attend this fall's conference? Download the conference app. You can view pictures uploaded by people at the conference and follow the conversation on Twitter at #amatyc. After the conference visit the conference website and look to see if the presentations you wanted to attend have their materials posted on the proceedings page. Or check out the sessions that were recorded, including the Thursday opening session and Saturday Awards Breakfast session.

While the conference committee wish all AMATYC members could attend each conference, we understand that, for many colleges, professional development and travel funds have been reduced. The conference committee is diligently working to keep costs down at the conference to make it more affordable.

In 2014 AMATYC will hold its 40<sup>th</sup> Annual Conference at the Gaylord Opryland in Nashville, TN. Opryland is itself a great destination. How many hotels have 42 acres of waterfalls, trees, fountains, meeting space, and guest rooms all under one roof? AMATYC will be celebrating in style at next year's conference by hosting a musical show Friday evening. There will be no extra cost to anyone to attend this show. Everyone associated with the conference hopes you will plan to come and help celebrate a milestone in the organization's history.

## Conference App is Back!

by Keven Dockter, Conference Coordinator

With the success of the conference app at last year's conference, AMATYC is happy to once again provide access to the conference program and other events through this year's app. Guidebook is the app used this year.

**guidebook** The Guidebook app is a highly recommended, simple to use app that will allow the attendee to view the complete conference schedule, create his or her own personal schedule, check out who is exhibiting and where they are located, view a map of the conference facilities, and much more. You will be able to access Twitter and tweet about the conference (#amatyc), view information about local restaurants, or create a photo album, with all the other attendees, of the conference. This year you will be able to add anything in the conference program to your own schedule with the exception of individual posters in the Poster Session. But, the individual posters can be added to your To-Do list!

The app is compatible with iPhones, iPads, Kindle Fire, and Android devices. Windows Phone 7 and Blackberry users, and people without any of these devices, can access the same information via the mobile site at [m.guidebook.com](http://m.guidebook.com). To download this free app, you will need to go to AMATYC's landing page, [guidebook.com/g/AMATYC2013/](http://guidebook.com/g/AMATYC2013/), and follow the directions. Or one can download Guidebook at the Apple App Store or Google Play or visit [guidebook.com/getit/](http://guidebook.com/getit/). Once you have downloaded the Guidebook app you will need to search for our conference.

While you can download Guidebook at any time, the app for the Anaheim Conference will not be available until around October 20. At that time you will receive an e-mail with these same instructions or simply scan this QR code to download the conference app!



## Calling all Presiders for Anaheim!

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The conference coordinators need more attendees wearing presider ribbons at the 2013 AMATYC Conference! Be a part of the conference - volunteer to preside at a session and wear a presider ribbon at the conference to show your contribution. Complete your application at [amatyc.site-ym.com/?page=2013ConfPresiderForm](http://amatyc.site-ym.com/?page=2013ConfPresiderForm) or e-mail Darlene Winnington, [dwinning@dtcc.edu](mailto:dwinning@dtcc.edu). In Anaheim, stop by the Presenter/Presider Check-in desk for an on site assignment.

## Visit the Exhibit Hall!

by Frank Goulard, AMATYC Exhibits Chair

The 2013 AMATYC Annual Conference in Anaheim is right around the corner. Exhibitors have reserved booths in the exhibit hall, as well as filled slots in the commercial and product presentations. Hawkes Learning Systems, Pearson, Maplesoft, Making Math, Wolfram Research, and Cengage Learning are already slated for those unique presentations.

In addition to the usual valuable exhibitor information and conversation at each booth, there will be the scavenger hunt with donated prizes for winners, and refreshments generously provided by various exhibitors. There will be plenty of hours to enjoy the exhibit hall from Thursday's 4:30 pm grand opening all the way through to Saturday's 1:00 pm closing of the exhibit hall.

Looking forward to seeing you in Anaheim very soon!

# Conference Notes

## Research Pre-Session

### 2013: Come Join Us!

by April Strom, Research Committee Chair

The Research Committee is hosting a Research Pre-session in Anaheim, CA, at the AMATYC Annual Conference on Wednesday, October 30, 2013, from 6:00 pm to 9:00 pm. Keynote address will begin at 6:00 pm in Grand A/B in the Anaheim Marriott. Pack your bags and head to Anaheim early to learn about exciting research that is currently being conducted. Preliminary findings about student learning and teaching innovations will be shared with the audience.

The purpose of the pre-session is for presenters to report on preliminary research in which they are currently engaged and provide opportunities for discussion with the audience. The Research Pre-session will have a keynote session followed by breakout sessions lasting 30 minutes, including 10 minutes for discussion, so feel free to drop in on one or several sessions. During this pre-session a broad range of research reports - from quantitative to qualitative studies - as well as general sessions about what you can expect from mathematics education research at the community colleges will be offered.

#### Schedule of Talks:

- 6:00 - 6:50 pm Keynote Address by Karen Marrongelle, Assistant Vice Chancellor and Mathematics Education Researcher, Oregon University System
- 7:00 - 7:30 pm Breakout Session #1
  - Multiplicative Conceptual Field Theory: A Trajectory for Teacher Professional Development in the Middle Grades by April Ström and Scott Adamson
  - An Innovative and Collaborative Community College and High School Algebra Project: Contextualizing Career Technical Education (CTE) in Math by Serena Ota St. Clair and Doug Gardner
- 7:40 - 8:10 pm Breakout Session #2
  - Community College Research: Gathering Evidence From a Collection of Dissertations by Linda Zientek, Irene Duranczyk, Vilma Mesa, and Sara Schoen
  - Students' Emerging Understanding of Percentage as Rate by Ann Sitomer and Kelly Mercer
- 8:20 - 8:50 pm Breakout Session #3
  - Mathematics Anxiety Learning Phenomenon: Adult Learner's Lived Experience and its Implications for Developmental Mathematics Instruction by Chris Yuen
  - Research on Computer-Mediated Developmental Math Course by Sarah Endel

The Research Committee hopes you will join them for this exciting pre-session! If you are interested in joining the Research Committee's e-mail distribution list, contact April Ström (Committee Chair) at [april.strom@scottsdalecc.edu](mailto:april.strom@scottsdalecc.edu).

# Call for Proposals for 2014

## AMATYC Conference

by Judy Williams, Program Coordinator

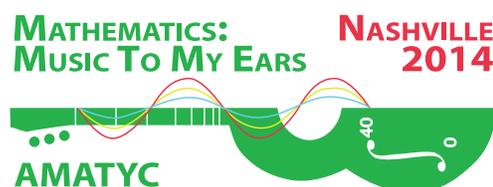
AMATYC's 40<sup>th</sup> Annual Conference will be held in Nashville, Tennessee, November 13 - 16, 2014. "Mathematics: Music To My Ears" is the perfect theme for a meeting in Music City, and Gaylord Opryland Resort and Convention Center provides the perfect stage on which to showcase your presentation to your colleagues.

A strong, exciting program requires high-quality, innovative proposals covering a full range of topics appropriate for the first two years of undergraduate education in mathematics or the professional development of two-year college faculty. AMATYC members are exceptionally talented as is demonstrated each year by the outstanding presentations given at AMATYC conferences. Share your expertise with your colleagues in Nashville by submitting a proposal to present a session or workshop at the 40<sup>th</sup> Annual Conference. **Proposals will be accepted electronically through the AMATYC website at [www.amatyc.org](http://www.amatyc.org) beginning November 1, 2013, through February 1, 2014.** Proposals from two-year college educators are particularly encouraged. All proposals will be objectively reviewed by the program committee and may not promote or highlight a commercially available product.

Presentations that contain information that attendees can apply immediately are the hallmark of AMATYC's conferences. Broad topic areas include, but are not limited to, effective methods of instruction, addressing different learning styles, maximizing the learning environment, assessment of student learning, two-year college mathematics curriculum, reform efforts impacting content or pedagogy, topics that enhance the professional growth of mathematics faculty, and topics that address content of interest to AMATYC's academic committees. Please see the proposal information on AMATYC's website for additional topic details, and check the website for a complete listing of AMATYC's academic committees.

Proposals for Nashville will have options for new or revised Program Code areas such as GC (Global and Cultural Education: awareness of mathematics in other cultures and appreciation of our role as educators with global citizenship) and PA (Placement and Assessment: placement of students, and assessment in the classroom or of courses and programs). Under G (General Interest) consider creating a session to appeal to your retired or retirement-contemplating colleagues, such as planning for the future or staying involved in the mathematics community following retirement day.

Make sure that mathematics does indeed provide music to our ears in Nashville November 13 - 16, 2014. Send in your proposal without delay.



# Focus on the Affiliate: NevMATYC

by Jennifer Gorman, NevMATYC President

This past spring NevMATYC had its first in-person meeting since 2006. Nevada being a large state meant that for NevMATYC to have a meeting the members would have to travel quite a distance. Since the community colleges in Nevada had a yearly conference, the Nevada Community Colleges Conference (NCCC), NevMATYC started to have its yearly meetings during the conference. This worked great for some time until Nevada fell into hard financial times and the conference was one of the things cut to save money. Prior to this spring the last NCCC was held in 2006. Luckily this year the NCCC returned. It was held at the College of Southern Nevada in April. With the return of NCCC, NevMATYC board members were able to easily schedule an in-person meeting of NevMATYC. Both the conference and the NevMATYC meeting gave all math professors in the state the chance to get together and discuss how each of our departments has adapted to many of the common challenges of teaching in Nevada.

The theme of the conference was “Focusing on the Future.” The keynote speaker was Christine McLean. She talked about student engagement. The theme of the conference and the theme of McLean’s talk lent themselves well to the theme the NevMATYC board members want to try and have this year in NevMATYC. The board members want to focus on the future of NevMATYC as well as work on engaging our members more. In particular NevMATYC will try and work on new ways of communicating with its members. NevMATYC can’t change the geography of our state but with the technology available today hopefully the hundreds of miles of distance will become less of an obstacle. The board members hope to have some video conferences and e-mail discussions to facilitate collaboration between our colleagues in NevMATYC.

NevMATYC board members would also like to take this opportunity to thank Eric Hutchinson for his three years of service as president of NevMATYC and are looking forward to seeing everyone at the AMATYC meeting in Anaheim in the fall.



## AMATYC Southwest Region 2013 Conference: A Grand Triumph!

by Ana Jiménez, Conference Chair and ArizMATYC Past-President

Held June 14 - 15 in Flagstaff, Arizona, the AMATYC Southwest Region hosted a fantastic conference for attendees from over a dozen states coast-to-coast (literally: Oregon to Florida). The local keynote speaker, David Trilling, captivated all of us with a fabulous talk on the potential dangers of Near Earth asteroids, titled “Teaching Math Can Save the Planet.” Attendees were treated to an extensive array of interesting sessions ranging from *Course Redesign* to *Singapore Math Strategies* to *Monumental Applications*, presented by AMATYC President, Jim Roznowski. Special thanks go to Coconino CC (CCC) for hosting and to the conference organizers and local committee members who made this conference such a success: Kathryn Kozak (Regional VP), Ali Ahmad (NEMATYC), Anne Dudley (ArizMATYC), Barbara Boschmans (NAU), Chris Oehrlein (OKMATYC), Jennifer Jameson (CCC), Maxie Inigo (CCC), Maya Lanzetta (CCC), Raja Khoury (TexMATYC), Shanna Manny (CCC/NAU) and Sharon Sledge (TexMATYC).



One attendee wrote: “Wonderful, wonderful, wonderful. You all did such a fantastic job! It was so great to have a conference in the summer and at such a great location. I so often can’t make it to conferences because of being during the school year so I was so glad to get to attend this one. The workshops were wonderful – you all picked such a wide range of topics and exuberant speakers. I’m so very glad I was able to attend this conference.”

If you missed this year’s conference, don’t worry. The Southwest Region of AMATYC is known for its regional conferences and for sure will hold one again, soon!

# Common Core State Standards

## Common Core State Standards for Mathematics

by Jim Roznowski, AMATYC President

AMATYC is one of over a dozen professional organizations which comprise the Conference Board of the Mathematical Sciences (CBMS). Over the last few years, we have received regular updates on the Common Core State Standards for Mathematics, which are being implemented in a majority of states. Recently, the president of each organization was asked to add their name to a letter of support for the implementation of the standards. After reviewing the standards, I was happy to have my name included. I encourage all AMATYC members to take a serious look at the standards and how your state is working to improve the mathematical readiness of all of our students. To learn more about the Standards and how your state is involved, visit [www.corestandards.org](http://www.corestandards.org)



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### Common Core State Standards for Mathematics Statement by Presidents of CBMS Member Professional Societies

In a great act of foresight for this nation, most of the states have now adopted a consistent set of expectations for school mathematics, called the Common Core State Standards. Building on long years of work, the Common Core State Standards are an auspicious advance in mathematics education. They define the mathematical knowledge and skill that students need in order to be ready for college and career, and provide the basis for a curriculum that is focused and coherent. If properly implemented, these rigorous new standards hold the promise of elevating the mathematical knowledge and skill of every young American to levels competitive with the best in the world, of preparing our college entrants to undertake advanced work in the mathematical sciences, and of readying the next generation for the jobs their world will demand. Much remains to be done to implement the standards, in curriculum, assessment, and teacher education. But we now have, for the first time in our history, a common blueprint for this work across state lines. This is not the time to turn away from our good fortune. We, the undersigned presidents of the following member societies of CBMS, hereby express our strong support for the Common Core State Standards for Mathematics.

James Roznowski

American Mathematical Association  
of Two-Year Colleges

Hans Kuensch

Institute of Mathematical Statistics

David Vogan

American Mathematical Society

Robert Devaney

Mathematical Association of America

Marie Davidian

American Statistical Association

Nathaniel Dean

National Association of Mathematicians

Alasdair Urquhart

Association for Symbolic Logic

Valerie Mills

National Council of Supervisors of Mathematics

Ruth Charney

Association for Women in Mathematics

Linda Gojak

National Council of Teachers of Mathematics

Fran Arbaugh

Association of Mathematics Teacher Educators

Irene Fonseca

Society for Industrial and Applied Mathematics

Diana Kasbaum

Association of State Supervisors of Mathematics

Don Balka

TODOS: Mathematics for ALL

Vanessa Cleaver

Benjamin Banneker Association

# State Issues: Alternative Pathways and Transferability

by Bruce Yoshiwara, West Region VP

Whether they realize it or not, California Community Colleges (CCCs) are involved in disputes about alternative pathways to transferable math courses.

An underlying assumption behind alternative pathways—some are called “acceleration” programs—is that the mathematics requirements for degrees and/or certificates should vary according to discipline. California’s Student Success Task Force 2012 report, *Advancing Student Success in California Community Colleges* [<http://bit.ly/xOC5aK>] contends, “Improved student support structures and better alignment of curriculum with student needs will increase success rates in transfer, basic skills, and career technical/workforce programs.” The National Center on Education and the Economy 2013 report, “What Does It Really Mean to Be College and Work Ready?” [<http://bit.ly/16RS5tq>] states, “But our research... shows that students do not need to be proficient in most of the topics typically associated with Algebra II ... to be successful in most programs offered by the community colleges.”

The Carnegie Foundation for the Advancement of Teaching [<http://bit.ly/y1EZhx>], the Dana Center at UT Austin [<http://bit.ly/1caaPWm>], and the California Community College Success Network [<http://bit.ly/liyOUJ>] all promote forms of alternative pathways to offer students in non-STEM disciplines an option of completing a university-transferable mathematics course without requiring the students to demonstrate completion of an intermediate algebra course.

The California university systems, the University of California (UC), and the California State University (CSU), have cautiously accepted the idea of alternative pathways in CCCs.

One pathway strategy is to provide students with an alternative prerequisite to an existing transferable math class. The alternative prerequisite need not have all traditional intermediate algebra topics and need not have elementary algebra as prerequisite. In response to this strategy, Nancy Purcille of the UC Office of the President (UCOP) sent a March 7,

2013 e-mail to CCC articulation officers: “The prerequisite for UC-transferable math courses continues to be intermediate algebra or equivalent. No attempt at this time will be made by UC to define specific content/courses that may be deemed “valid” alternate prerequisites. When submitting a course for TCA [Transferable Course Agreement] review, if CCC faculty propose a prerequisite that they judge to be the equivalent of intermediate algebra, then UCOP articulation analysts will treat the prerequisite as such and evaluate the course outline as usual. UC will not be evaluating the prerequisites listed – unless it is jointly requested by the CCC and UC faculty.”

This position appears to respect the tenet that the CCCs should be able to decide the appropriate developmental math required to prepare its students for the articulated transfer-level math course.

The CSU provided a different position to accommodate alternative pathways. Ken O’Donnell of the CSU Office of the Chancellor sent an April 2013 e-mail [<http://bit.ly/114QprE>] acknowledging without objection the strategy of keeping the intermediate algebra as the official prerequisite for the transfer math course, but the CCC would facilitate student challenges to that prerequisite based on passing an alternative pathway course.

“The CSU Chancellor’s General Education Advisory Committee has looked into this use of the prerequisite challenge process, and determined that it has no grounds to comment. How community colleges meet curricular requirements that are below baccalaureate level is up to the colleges, and not up to the receiving transfer institutions. In other words, community colleges may participate in initiatives like Acceleration in Context and the California Acceleration Project without jeopardizing articulation, because the transferable B4 [math/quantitative reasoning requirement to transfer] course is unchanged; only the intermediate algebra prerequisite is challenged.”

Thus both the UC and the CSU are tacitly giving CCCs the go-ahead to develop alternative pathways.

California’s adoption of the Common Core State Standards in Mathematics (CCSSM) helps to shape the expectations of universities regarding the mathematical background of their incoming students.

The July 2013 statement [<http://bit.ly/17Jsu3F>] from the University of California’s Boards of Admissions & Relations with Schools (BOARS) comments that most California Community Colleges (CCCs) continue to use “traditional Intermediate Algebra (i.e., Intermediate Algebra as defined prior to CCSSM implementation)” as prerequisite to a transferable mathematics course.

The BOARS statement continues, “Specifying that transferable courses must have at least Intermediate Algebra as a prerequisite is not fully consistent with the use of the basic mathematics of the CCSSM as a measure of college readiness... Requiring that all prospective transfer students pass the current version of Intermediate Algebra would be asking more of them than UC will ask of students entering as freshmen who have completed CCSSM-aligned high school math courses. As such, BOARS expects that the Transferable Course Agreement Guidelines will be rewritten to clarify that the prerequisite mathematics for transferable courses should align with the college-ready content standards of the CCSSM.”

Meanwhile, the Academic Senate of California Community Colleges (ASCCC) has endorsed the CCSSM, but has no formal position on alternative pathways. However, David Morse, Academic Senate Secretary and Tom deWit, Acceleration in Context Co-Director, published an April 2013 ASCCC Rostrum opinion article [<http://bit.ly/15RZntH>] suggesting that alternative pathways offer opportunities for dialogue and local innovation. And former ASCCC president Ian Walton published a June 2013 ASCCC Rostrum opinion article [<http://bit.ly/1bX1y5i>] that concluded “The wide range of conversations demonstrates that a strong case can be made for the exploration and implementation of alternative preparations for transfer level math courses that differ from the content of the traditional intermediate algebra course.”

## Committee Reports

### AMATYC FutureGrant Program

by John Pazdar, Grants  
Coordinator

A few weeks ago Patricia Hirschy, Dennis Ebersole, Karen Gaines, and John Pazdar submitted a \$210,000 grant proposal entitled “*The AMATYC FutureGrant Leadership Program With: Faculty Plan and Committee Plan*” to the National Science Foundation - Advanced Technological Education (NSF-ATE) Program “Leadership Capacity Building for Faculty” Track.

*The AMATYC FutureGrant Leadership Program* grant proposal goal is to create an NSF-ATE

Program Grant Leadership organizational structure where grant work leadership can be developed among AMATYC faculty and AMATYC Academic Committees. Grant participants will be New Grant Mentees, faculty who wish to submit an AMATYC grant proposal to the NSF-ATE Program but who lack grant work experience. The first objective will be accomplished by development of a Faculty Plan for three teams of two New Grant Mentees. The second objective involves the development of a Committee Plan for New Grant Mentees, one from each of AMATYC’s nine academic committees.

If NSF-ATE Program awards the grant, the grant period will begin during the 2014 summer. The Faculty Plan will include a January 2015 Workshop, and the Committee Plan will include a Summer 2015 Workshop. If you are interested in AMATYC’s FutureGrant Work, attend the AMATYC Conference session “Grant Work in AMATYC’s Future” (S128, Friday 2:00-2:50 pm) where a complete explanation of *The AMATYC FutureGrant Leadership Program* grant proposal will be discussed.

### AMATYC Traveling Workshops – Great News!

by Ana Jiménez, Traveling Workshop Coordinator

As you already know, you can request a Traveling Workshop to provide valuable professional development at your institution on a variety of topics, such as Developmental Mathematics, Teacher Preparation, Statistics, Technology, Inquiry-based Instruction, Math Across the Community College Curriculum (MAC<sup>3</sup>), Combinatorics, Group Work and Peer Review. However, if you are looking for professional development on Inquiry-based Teaching, the Discovering the Art of Mathematics Team has funding to facilitate three workshops this year through their NSF grant; which means there would be no cost to bring their phenomenal expertise on inquiry-based instruction right to your doorstep! For more information visit their website [www.artofmathematics.org/about](http://www.artofmathematics.org/about). Visit the Traveling Workshop webpage at [www.amatyc.org/tw/index](http://www.amatyc.org/tw/index) to find out more information about requesting a workshop.

### Professional Development Update

by Jon Oaks, Professional Development Coordinator

Unfortunately, due to conditions beyond control, there were no AMATYC Webinars for summer 2013. However, please be assured that the Professional Development team is working hard to bring you great Webinars for the upcoming 2013-2014 Academic Year. As soon as the speakers are confirmed, information will be available on the website at [www.amatyc.org](http://www.amatyc.org).

The upcoming webinars will focus on statistics, technology, and developmental mathematics. If you have a topic that you would like to see in an upcoming webinar, or if you are interested in being a presenter for an upcoming webinar, please contact Jon Oaks directly and he will get you in touch with the appropriate AMATYC committee chair.

Also, if you have a new idea for professional development, please feel free to contact the Professional Development coordinator, Jon Oaks, at [oaksj@macomb.edu](mailto:oaksj@macomb.edu). The Professional Development team is always looking to expand offerings to better serve your needs.

### Student Mathematics League

by Susan R. Strickland, Student Mathematics League Coordinator

Welcome to a new year for the Student Mathematics League (SML). Round 1 will take place from Friday, October 18, 2013 through Saturday, November 9. Round 2 will take place from Friday, February 14, 2014 through Saturday, March 8. If you are not already doing so, please consider forming a team to participate in next year’s SML. You may not have a student who will score well enough to rank in the top 10, but you and your students will enjoy working together prior to the tests and going over problems after the results have been released. It’s a win-win situation for you and for your students.

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.

While you are planning which sessions to attend at the annual conference in Anaheim, don’t forget the Faculty Mathematics League competition to be held on Friday, November 1, 2013. As always, bring a calculator and a competitive spirit! Awards for the top regional teams will be given at the regional breakfasts. Last year’s Charles Miller Memorial Scholarship recipient and the team receiving the Glenn Smith Team Award will be announced and recognized at the Saturday breakfast.

For more information on the SML competition or eligibility for participation, send an e-mail to the SML Coordinator, Susan Strickland, at [sml@amatyc.org](mailto:sml@amatyc.org).

# Committee Reports

## Math Intensive Committee

by Sandy Poinsett, Committee Chair

The Math Intensive Committee is currently composed of two subcommittees: Precalculus and Calculus. At the Conference in Anaheim, the Math Intensive Committee will meet and discuss a variety of issues pertaining to college algebra, student readiness for calculus, and STEM issues as related to other disciplines along with planning future events at the 2014 conference.

During the conference, the committee will host a themed session entitled *Teaching and Learning in Precalculus, Calculus, and Beyond* on Thursday morning that will include six fifteen minute sessions giving presenters a chance to share special projects and teaching techniques with attendees. On Friday afternoon, Math Intensive will have its committee meeting and on Saturday, the committee will be hosting a "Sharing Session" discussing such topics as including more modeling and applications into an already full syllabus, using learner-centered approaches, and other ways of varying teaching strategies to reach a variety of learning styles.

Be sure to check out the webinars posted on the AMATYC website. The Math Intensive Committee has sponsored several, including two on the Visualization of Calculus and one on interesting problems in Calculus. Other webinars will be presented this fall. Watch for e-mail details.

Committee participation is open to all AMATYC members. To learn more about the AMATYC Math Intensive Committee or to be involved throughout the year, e-mail the chair of the committee, Sandy Poinsett at sandrap@csm.edu. To find out more about AMATYC committees, visit the website [www.amatyc.org](http://www.amatyc.org).

## Statistics Committee

by Mary DeHart, Committee Chair

The AMATYC Statistics Committee is pleased to sponsor a statistics themed session, *Pathways to Success in Teaching and Learning Statistics*, to be held from 9:10 am to 11:05 am on Friday, November 1, 2013, at the 39<sup>th</sup> AMATYC Annual Conference in Anaheim, CA. The themed session is designed to appeal to both new and experienced instructors and will feature:

- An overview of the ASA endorsed *Guidelines for Assessment and Instruction in Statistics Education* (GAISE) and strategies for their implementation;
- An exploration of two different prerequisite paths to Introductory Statistics tailored for the non-STEM and the STEM student and the use of placement test data to examine the correlation between English placement and success in Introductory Statistics;
- How to present traditional algebra projects geometrically, numerically, analytically, and verbally in order to prepare students for the study of statistics;
- Advantages and disadvantages of different technologies commonly used in introductory statistics courses and the role of technology in improving instruction;
- A discussion of variation, causality and inference from philosophical and historical perspectives;
- How to use the power of technology to employ the bootstrap method of estimating a population mean.

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 e-mail.

The AMATYC Statistics Committee meeting will be held from 4:15 to 5:45 pm on Friday, November 1<sup>st</sup> at the conference in Anaheim. All interested AMATYC members are welcome to attend. If you would like to join the Statistics Committee, please contact the chair of the committee, Mary DeHart, at [mdehart@sussex.edu](mailto:mdehart@sussex.edu).

## Division/ Department Issues Committee

by Sean Simpson, Committee Chair

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

The adjunct subcommittee has started working on a revision of the Working Conditions of Adjunct Faculty position statement. If you would like to participate, please contact Sean Simpson, chair of the DDIC. The work is continuing via e-mail ahead of the annual conference.

The DDIC has something for everyone to look forward to - the committee hopes to hold a webinar late this fall (or early in the spring) focusing on obtaining a full-time job at a community college. Look for announcements to come, and be sure to pass it along to interested folks!

The DDIC hopes to see many of you in Anaheim. The committee will have its annual fact-to-face meeting Friday 4:15 pm to 5:15 pm, and will hold the annual Chairs' Colloquium Thursday 12:40 pm - 2:40 pm. This year, the colloquium will be hosted by Christine Mirbaha and Sean Simpson. It has been a great success in the past, and the committee anticipates that it will be again!

A special issue of the *MathAMATYC Educator* is being planned, with the focus International Education. The International Education subcommittee of DDIC is very excited about it! Full details are available at [www.amatyc.org](http://www.amatyc.org).

Those unable to attend the annual conference can still be a part of the committee! The DDIC does some of the work on position statements via e-mail (not just the position statement mentioned earlier), 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@sunywcc.edu](mailto:Sean.Simpson@sunywcc.edu).

➤ *Anaheim, Continued from page 1*



considered quite rare off Newport Beach in Southern California, but their migration patterns have changed over the last five years. Along with blue whales, finback whales (second largest whale) are also frequently viewed as well as

the smaller minke whales. Giant pods of common and bottlenose dolphins are also regularly seen and make quite a sight to witness. The cruise price is very reasonable.

**BUY A BOOK FOR A TEEN OR PRETEEN CHILD  
WHO IS IN FOSTER CARE  
and bring it to our conference.**

Here is a gentle reminder to bring a new book or two for children in foster care in Orange County. The books we bring will be given to children between the ages of 10 and 17 as part of their Christmas gifts from the Court Appointed Special Advocates (CASA) organization. Please be sure the book is new and is appropriate for the ages listed above. This is a special part of a holiday celebration since CASA wishes to instill reading as a fundamental part of their children's lives. I'm sure you will agree that this is a worthy AMATYC service project.



➤ *Website, Continued from page 10*

- Members can now join special interest groups and connect with others who have similar interests in the new online member community.
- New intuitive user-friendly membership and conference registration forms are now available. With the new membership forms comes the ability to setup auto membership renewal.

Members who are new to the website should begin by signing in. Signing in gives members access to all components of the website. A link in the bottom menu named "Website Navigation" offers helpful hints for first-time visitors to the site.

The AMATYC Board and many AMATYC leaders played a role in the website conversion, and a few deserve special mention here.

- Jim Ham, Midwest Vice President, chaired the committee that investigated AMATYC's option with regard to its website and coordinated the conversion to the new site. Other members of the committee included: Chris Allgyer, Cheryl Cleaves, Christy Hunsucker, George Hurlburt, Nicole Lang, Christine Shott, Beverly Vance and Darlene Winnington.
- George Hurlburt, AMATYC's Website Coordinator, migrated hundreds of webpages to the new server, many of which required significant revision.
- Beverly Vance, Christy Hunsucker and Christine Shott from the AMATYC Office in Memphis offered assistance and advice on issues related to membership and ecommerce.
- Phil Mahler, former AMATYC webmaster and AMATYC past-president created and revised many of the conference proposal and review webpages.

As with any major project there is always need for tweaking. We ask all members to send suggestions for improvements to the Website Coordinator, George Hurlburt, at [web@amatyc.org](mailto:web@amatyc.org).

**From the Editor**

Just in case you noticed, the AMATYC News Editor has a new name. Daniela is pleased to announce to the AMATYC community that over the summer she married her best friend and a wonderful man, Darrell Long. Her name changed from Daniela Zemanek to Daniela Loghin Long. Please note her e-mail address changed as well; her new e-mail address is [dllong303@my.pittcc.edu](mailto:dllong303@my.pittcc.edu).

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.

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# Accept the Challenge

by Robert Farinelli, AMATYC Foundation Chair

The AMATYC Foundation has challenged each region to support AMATYC by supporting the Foundation. Beginning with the start of registration for the 2013 AMATYC Annual Conference in Anaheim and ending Saturday noon, November 2, 2013, the AMATYC Foundation will be tracking contributions of conference attendees to the AMATYC Foundation by AMATYC regions. The region that has the greatest percentage of attendees making a contribution will have bragging rights and one member from the region will be awarded a complimentary discount conference registration for the 2014 AMATYC Annual Conference in Nashville, TN. The lucky region member will be drawn from those who have made contributions by the Friday (November 1, 2013) Regional Lunch in Anaheim.



## Here is how you participate.

- Make a contribution to the AMATYC Foundation with your conference registration or at the conference before the Friday Regional Lunch to be eligible for the drawing for the complimentary discount conference registration for the 2014 AMATYC Annual Conference in Nashville.
- Attend the Friday Regional Lunch. Each region will draw a potential regional winner. Your vice president will have tickets for each person who has contributed.
- Encourage regional attendees to continue to make contributions so that your region can take home the prize. The region with the highest percentage of attendees contributing will be the winning region.
- The regional winner will be announced at the Delegate Assembly on Saturday, November 2.

## Like Second Chances?

There will be a second prize of a one-year AMATYC membership to the region contributing the largest dollar amount. That potential winner will also be selected from all contributors at a drawing at the Regional Lunch on Friday.

## How About Third Chances?

All contributors will be eligible for a third prize of a three year AMATYC membership. This drawing will take place during the Saturday Awards Breakfast Session.

## Everyone Wins!

The winning regions will have a year's worth of bragging rights, and you know how the VPs love to do that. Your gifts will help the AMATYC Foundation in its support of AMATYC projects. You can direct your gift to the AMATYC Foundation general fund, restrict it for a special project, or restrict it to the AMATYC Endowment that allows only for a portion of the interest generated from your donation to be spent for AMATYC special projects.

## What's Your Number? Wear it Proudly!

Show your spirit and brag on the number of AMATYC Conferences that you've attended. Stop by the AMATYC Foundation table in the conference registration area in Anaheim to get your sticker by donating a dollar for each conference you've attended! These contributions also count toward region pride awards. We raised over \$19,000 last year - let's see how well AMATYC members can do this year.

## AMATYC Calendar of Events

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

December 13-14, 2013 CMC<sup>3</sup> 41<sup>st</sup> Annual Conference, Hyatt Regency Hotel and Spa, Monterey, CA. Website: [www.cmc3.org](http://www.cmc3.org)

April 4-6, 2014 47<sup>th</sup> NYSMATYC Annual Conference, Treadway Inn, Owego, NY. Website: [www.nysmatyc.org](http://www.nysmatyc.org)

April 25-26, 2014 CMC<sup>3</sup> 18<sup>th</sup> Annual Recreational Mathematics Conference, MontBleu Resort Casino and Spa, South Lake Tahoe, NV. Website: [www.cmc3.org](http://www.cmc3.org)

May 8-10, 2014 Washington Community College Math Conference, Wenatchee, WA. Website: [www.wamatyc.info](http://www.wamatyc.info)

November 13-16, 2014 40<sup>th</sup> Annual AMATYC Conference, Nashville, TN. Contact: AMATYC Office, [amatyc@amatyc.org](mailto:amatyc@amatyc.org)

November 19-22, 2015 41<sup>st</sup> Annual AMATYC Conference, New Orleans, LA. 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.*

# A True Success Story of a Math Club - Madison College

by J. Sriskandarajah, Math Club Adviser, Madison College

In this economy it is not easy to run a math club with the limited resources of a two-year college. But with the support of the students, faculty, administration and local businesses, it is still possible to promote events that can engage not only college students but also middle and high school students. This article details the celebration of 13 successful years of a math club at Madison Area Technical College (MATC).

It all started in 2000, when a new faculty member had an idea of forming a math club to engage college students in various out-of-class activities such as: attending monthly presentations, writing papers on what they have learned from these talks, and preparing students for the AMATYC Student Mathematics League. With this simple idea and a plan to host an annual high school math competition in April to mark the Mathematics Awareness Month celebration and an annual middle school math competition in the fall semester, a proposal was made to MATC's Foundation's Grant Program with the endorsement of two other math faculty. In the meantime, a memo was sent out to all the full- and part-time faculty of the department seeking their support for this event.

Within a week, the club faculty advisers received word from the MATC Foundation of their approval of the grant proposal. Since then the faculty advisers have been working tirelessly to provide out-of-class activities to MATC students as well as high school and middle school students. One of the two faculty members volunteered his services as a web master of the math club. Students' participation, faculty and administration involvement, corporate funding, and community support made the club a success.

## Student Participation

Students have learned a lot through more than 100 monthly presentations given by some of the best speakers in the nation—which gave students an opportunity to appreciate applications of mathematics. Some instructors promoted these talks by giving bonus points for attendance and for a report on

the talk, which helped lots of students who were interested in improving their grades. Graphing calculators, popular math software and math text/reading books as door prizes, and pizza and pop as refreshments, also attracted student attention. Students who could not attend the talks had the opportunity to watch the video of the program which was posted on the math club webpage. Being a committee member of the math club also gave students pride and satisfaction. The president of the math club was eligible for a \$500 scholarship towards tuition at MATC or to any four-year transfer college. Based on the average GPA of the student members and officers, the club received an Outstanding Student Organization Academic Achievement award in 2004 from MATC.

## Faculty and Administrators' Involvement

Faculty's role was also very important. They not only promoted the programs and offered bonus points for their students, but they also served on the question selection committee of the annual middle and high school math contests, they served as proctors and graders, introduced the speakers etc. The cooperation of the full- and part-time faculty helped the club to receive one of MATC's prestigious awards, Outstanding Club of the Year in 2003. The college's president, vice-presidents, and deans enjoyed introducing the speakers and welcoming the students and teachers for our annual math competitions. MATC's Culinary department was proud to provide snacks and lunch during math competitions; cake and beverages during special functions such as "Euler's 300<sup>th</sup> birth anniversary," visit by the "Calculus Dog Elvis," and pies for "PI Eating Contest."

## Corporate Funding and Community Support

Local businesses, donations from publishers, calculator/software companies, and the support of the community helped the club to survive in these difficult economic times. Some of the competitions such as "Who Wants To Be

A Mathematician" staged by the American Mathematical Society was modified by our own faculty and staged as "Who Wants To Be A Super Mathematician" and "Who Wants To Be A Sudoku Master" at a lesser cost. The popular "Who Wants To Be A Sudoku Master" was a two-day event with two different speakers each day. Similarly, the middle school math competition "Face off" which was outsourced to the UW-Oshkosh was offered as "It's a team sport - The competitive side of mathematics" as a joint program of the faculties of Madison College and the St. Louis CC, MO. The financial support from the MATC Foundation and other outside resources helped to support the travel, honorarium, boarding and lodging of the speakers; plaques, trophies, books, graphing calculators, software etc., for the winners; and meals for all the participating students, teachers and volunteers. Although the high school and middle school math teams were charged a nominal fee, it was the external resources which helped us to cover all our expenses.

In conclusion, we would like to list our milestones below:

- 2000 Presentation #1, "Spatial Models of Voting Power"
- 2003 Presentation #25, "Some Car Problems Are Mathematical"
- 2006 Presentation #50, "Sona, Kolam and Celtic Knots"
- 2008 Presentation #75, "Soccer Balls, Pentagons and Euler"
- 2010 Presentation #100, "Srinivasa Ramanujan, A Self-taught Genius"
- 2013 Presentation #125, "Dominos and Determinants"

Due to budget constraints the middle school and high school annual math competitions have been cancelled temporarily but the less expensive monthly presentations are continuing. For details of all past, present, and future events, please visit our math club website: [www.clubs.madisoncollege.edu/mathclub/](http://www.clubs.madisoncollege.edu/mathclub/) or contact Jeganathan Sriskandarajah at [JSriskandara@madisoncollege.edu](mailto:JSriskandara@madisoncollege.edu).

# Project ACCESS

by Laura Watkins, AMATYC Project ACCESS Coordinator

Project ACCESS is pleased to announce the selection of twenty-four Fellows to attend the AMATYC Annual Conferences in Anaheim, CA, and Nashville, TN. The Fellows are:



## MathAMATYC Educator: Call for Articles

by David Tannor, Editor *MathAMATYC Educator*

Dear Colleagues:

Please consider submitting an article for possible inclusion in a forthcoming special issue, *International Mathematics*, of the *MathAMATYC Educator*. This issue will focus on best practices in international mathematics education, their use, and implication for two-year colleges. Articles for this special focus will address issues pertinent to, but not limited to, the following topics:

- Applications of the principles of AMATYC's *Beyond Crossroads* in the classroom
- Developmental mathematics
- Mathematics for AAS programs
- Teacher preparation
- Statistics
- Innovative instruction and practices including the use of technology in the classroom
- Mathematics content of the two-year college curriculum
- Research in mathematics education in the two-year college classroom
- Equal opportunity in mathematics
- Mathematics history

**Deadline for submission is December 1, 2013.** Articles can be submitted at [www.amatyc.org/?page=MathAMATYCEducator](http://www.amatyc.org/?page=MathAMATYCEducator). At this website, please take some time to look at our publication guidelines.

For more information, please contact David Tannor at [David.Tannor@muskegoncc.edu](mailto:David.Tannor@muskegoncc.edu) or at 231.777.0609.

**Angela Agocs**, Semiole State College, Sanford, FL  
**Abigail Bailey**, William Rainey Harper College, Palatine, IL  
**Kylena Cross**, Frederick CC, Frederick, MD  
**Adrian Delgado**, Dona Ana CC, Las Cruces, NM  
**Ian Falu**, Madison College, Madison, WI  
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**Bonita Tyler**, Jefferson CTC, Louisville, KY  
**Kendall Wahba**, Greenville Technical College, Greenville, SC  
**Audrey Wood**, University of Arkansas CC at Batesville, Batesville, AR  
**Chris Wyniawskyj**, College of Lake County, Grayslake, IL  
**Stephanie Yurasits**, Portland CC, Portland, OR

## Mu Alpha Theta Two-Year Scholarships Announced

by Kay Weiss, Executive Director Mu Alpha Theta

Mu Alpha Theta is the National High School and Two-Year College Mathematics Honor Society, with over 2000 chapters in the United States and eighteen foreign countries. This summer, the Governing Council voted to provide up to five \$4,000 scholarships for members of our Two-Year College chapters.

Each scholarship will be presented to an outstanding full or part-time two-year college student who is a member in good standing of an active Mu Alpha Theta chapter. In the year that they apply, the student should be enrolled in enough hours so that they will have completed at least 30 semester college credits (or their equivalent quarter hours) by the end of that school year. The recipient of this award should be an outstanding mathematics student. They will have provided leadership and service to their Mu Alpha Theta chapter by enthusiastically participating in local projects with evidence of service in the area of mathematics and, by doing so, advanced the mission of Mu Alpha Theta.

All scholarship awards will be sent to the recipient's college or university of choice to be used for tuition, fees, books, or other educational expenses during the 18 months following the date of the award. Funds may be used at the member's current two-year college.

Each chapter may submit no more than two nominations for this scholarship per year. The chapter's sponsor will determine how the nominee is to be selected, keeping in mind that they should meet the criteria described above. Members may apply for these scholarships by filling out the Two-Year College Application, found at [www.mualphatheta.org](http://www.mualphatheta.org). Scholarships, which must be postmarked on or before March 1, 2014.

If your college does not have a chapter of Mu Alpha Theta, please consider starting one. The procedure for joining Mu Alpha Theta or reactivating an old chapter are available at [www.MuAlphaTheta.org](http://www.MuAlphaTheta.org).

Besides the new Two-Year Scholarships, Mu Alpha Theta provides three free math contests for your students that they can participate in at the college, financial support for your chapter, summer study grants for members, as well as honor cords and other merchandise for members.

Mu Alpha Theta would love to have your college join them so they can support your talented students.

# AMATYC Foundation 2012 Honor Roll

AMATYC is fortunate to have members and friends who support the organization through private gifts. This support enables AMATYC to enhance current programs, such as AMATYC Project ACCESS, and to create new opportunities for AMATYC members through AMATYC Mini-Grants. Mini-Grants support classroom research that enhances student learning.



The following is a list of donors and affiliates who during 2012 made these generous gifts. We would like to express gratitude for their support. Thank you! AMATYC strives to ensure accuracy within this Honor Roll listing of all the donors for the 2012 calendar year. If you find your information to be incorrect or if you prefer your name to be listed differently in the future, e-mail Beverly Vance at [amatyc@amatyc.org](mailto:amatyc@amatyc.org) so she can make the appropriate corrections to the Foundation database.

## President's Club

Anonymous  
Cheryl Cleaves  
Karen B. Gaines  
Margie Hobbs  
MinnMATYC  
Fred Peskoff  
Gary K. Rockswold  
James A. Roznowski  
William Steenken

## Patron

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## Sponsor

Wanda L. Garner  
Pat McKeague  
TE Award Winners  
WAMATYC

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Rikki Blair  
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Annette G. Cook  
Patty George  
Alice Kaseberg  
Nicole M. Lang  
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Carol L Tracy  
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Darrell H. Abney  
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Scott L. Adamson  
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Cindy Alder  
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## What Does AMATYC Mean to You?

Don't miss the November 15, 2013, deadline to be a part of AMATYC history! AMATYC is celebrating its 40<sup>th</sup> Anniversary!

Remember that special session you attended at an AMATYC conference one year and it changed the way you taught? Remember a fun evening out to dinner in a new city with new friends you met at a conference? Remember that week-long summer institute where you learned new things, saw a great part of the country, and met new friends? Send your reminiscences to Russell Simmons at [RSimmons@dcccd.edu](mailto:RSimmons@dcccd.edu) for inclusion in an updated Reflections, due out in 2014.



## Future AMATYC Conferences

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.*

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