# Mathematics Excellence Award 2012



One highlight of every AMATYC Annual Conference is the recognition given to colleagues for exemplary service as mathematics educators. This past fall, at the conference in Jacksonville, AMATYC recognized the outstanding contributions to mathematics and mathematics

education at the two-year college level made by Martha Goshaw of Seminole State Col, FL, by awarding her the 2012 AMATYC Mathematics Excellence Award. Martha exemplifies what it means to be a professional mathematics educator through her work on a national level, her leadership in the profession, her publications and awards, and her teaching expertise.

Martha is a native of West Virginia, having received her B.S. in mathematics from West Virginia Wesleyan Col and her M.S. in mathematics from West Virginia Univ. She also has an Ed.S. from the Univ of Virginia and has completed all the coursework for a doctorate in mathematics education. Before coming to Florida in 2000, she taught for 25 years at Piedmont Virginia CC in Charlottesville, VA. Throughout her career, she has earned a well-deserved reputation as an innovator in the classroom who is focused on student understanding and improving student success. Her outstanding work in the classroom has been recognized with not only AMATYC's Teaching Excellence Award but also with

teaching awards from NISOD and FTYCMA. Martha is always willing to share her experiences and knowledge and has served as a mentor to numerous individuals entering the education profession.

AMATYC is appreciative of Martha's involvement in AMATYC. She served as Secretary on the AMATYC Executive Board for six years and recently helped rewrite AMATYC's constitution and by-laws. She has also served as president of both the Virginia (VMATYC) and Florida (FTYCMA) AMATYC affiliates. She is the author of *Concepts of Calculus with Applications*, a text for applied calculus, and is working on another text for finite mathematics. She has written numerous articles for professional journals including *The AMATYC Review* and *The Mathematics Teacher*.

All through her career, Martha continues to balance her work as an author, consultant, and active member of professional organizations with her dedication to improving the experiences of students in the classroom. It is a pleasure to recognize all of these achievements.

# 2013 AMATYC Annual Conference – Start thinking Anaheim!

by Carol Murphy, Anaheim Local Events Coordinator

With the new year and new semester underway, the 2012 AMATYC Annual Conference is just a memory. It is time to get excited about traveling to the west coast to attend the next AMATYC Annual Conference in Anaheim, CA, from October 31 to November 3, 2013. The weather will be perfect, sunny and warm during the day, and cool in the evenings.

In addition to the outstanding sessions at the conference, there is much to do in the area. The restaurants within the conference site, Anaheim Marriott, and nearby are fabulous, serving you any type of food you might desire. Of course there are the two nearby themed parks, Disneyland Park and its

younger sibling, Disney California Adventure Park. You can be sure there will be special happenings during the Halloween weekend. Look for discount tickets to these two themed parks on the AMATYC website as the conference approaches. If you like to get away for a day, plan on staying a day longer, or arriving a day earlier. Future conference articles will include information about day trips to various sites in the area.

Be sure to mark your calendars for the 2013 AMATYC Annual Conference. There will be no end to the fun as you enjoy the fantastic fall weather and all the adventures nearby!

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## President's Message



# The State of AMATYC



Delta College University Center, MI

Earlier this year you may have listened to President Obama give his State of the Union address to a joint session of Congress. I am sure your governor did his State of the State address and your local mayor may have also provided an update with a State of the City speech. I thought I would take this first opportunity of the new year to share my view of the State of AMATYC.

Like all the others, let me start by saying the state of AMATYC continues to be strong. AMATYC's strength comes from the work and dedication of members like you. As president, I have the privilege of working with an exceptional group of volunteers interested in making every AMATYC activity a rewarding experience for our members. Some of these volunteers and their work are visible to you but many others work behind the scene.

If you were able to attend the AMATYC Annual Conference in Jacksonville you saw the results of countless hours of work by Keven Dockter and his entire conference team, and Jerrett Dumouchel and his local volunteers. Laura Watkins continues to lead another group of volunteers in refining one of our signature activities, AMATYC Project ACCCESS. Our nine academic committee chairs and their executive committees continue to provide all of our AMATYC members with forums to discuss issues and trends related to the areas of our profession in which they are most interested. We also have volunteers who work as the editors and managers of our publications such as this newsletter, amatyc.org, and MathAMATYC Educator, and those who are responsible for projects like the Student Mathematics League.

Yes, we have great volunteers doing great things but it is more amazing that individuals are willing to step forward to take on these responsibilities time and again. The board recently appointed a new grants coordinator, new editors for the AMATYC News and the MathAMATYC Educator, a new website coordinator, and new coordinators for our professional development activities and our traveling workshops program.

#### > Now we need YOU! ◆

The simplest way to be involved in AMATYC is to continue to be a member. Even if you are not able to attend the annual conference, AMATYC needs your support for us to continue to be a voice in all things related to mathematics education during the first two years of college. If you have not yet renewed your membership for another year, please take a couple of minutes to do it soon.

There are always opportunities to become more involved in AMATYC. As positions become available they are posted at www. amatyc.org. Another way to become more involved right now is to contact your regional vice president about volunteering as your state's delegate to AMATYC or to serve as your campus' representative for the organization. State delegates serve for two years with appointments beginning this spring. The role of a delegate is not only to attend the Delegate Assembly meeting at the annual conference (if you are able) but it is also to assist the regional vice president in promoting AMATYC in your state and to make the national organization aware of issues which you and your colleagues are dealing with in your state. Campus representatives serve as the point of contact between the national organization and your institution. Specifics about the work of AMATYC can be found in the materials provided to the AMATYC Delegate Assembly prior to their meeting in Jacksonville. This information is also available to all members at www.delegates.amatyc.org/DA2012Packet\_final.pdf.

I think most of you can quote the "ask not..." line from John F. Kennedy's 1961 Inaugural Address. There is another less familiar line from the same speech, "In your hands, my fellow citizens, more than in mine, will rest the final success or failure of our course." My term as AMATYC president will be over at the end of this year. Many individuals of my generation are retiring from the classroom and from leadership roles in AMATYC. Please consider picking up the proverbial torch and working towards making AMATYC an organization that will continue to meet its goal of opening doors through mathematics.

## 2012 Conference Proceedings

The AMATYC website has a wealth of resources from the annual conferences. Numerous files are available including videos, PowerPoint slides, classroom handouts, and related documents. Of particular interest are videos and slides of several sessions including the 2012 AMATYC Annual Conference keynote speakers. For details, visit the AMATYC proceedings site at www.amatyc. org/publications/Electronic-proceedings/index.htm.

2012 Conference Presenters: Be sure to submit your files to be included in this year's online proceedings. Simply email them to proceedings@amatyc.org.

## Project ACCCESS

by Laura Watkins, Project ACCCESS Coordinator

At the AMATYC Annual Conference in Jacksonville, forty-five AMATYC Project ACCCESS Fellows participated in a series of sessions and workshops filled with great ideas and inspiration. Special thanks go to the presenters: Michael Darrell\*, Meredith Watts\*, Jessica Lickeri\*, Vanessa Coffelt\*, Anne Dudley, Evan Evans\*, Larry Huff\*, Diana Hestwood, Alice Kaseberg, April Ström, Rob Eby\*, Maria Andersen, and Keturah Johnson\* (\*ACCCESS Fellows).



Cohort 8 Fellows kicked off the conference by presenting the results of the projects they worked on over the past year. A number of the projects were geared toward investigating the use of technology in the classroom. Many of the ACCCESS Fellows also presented the results of their projects at the conference poster session. The Fellows' projects will be available on the ACCCESS website. Cohort 9 Fellows will continue the ACCCESS tradition as they commence work on their projects to be presented at the 2013 AMATYC Annual Conference in Anaheim, CA.

If you, or a colleague, will be in the first three years of teaching full-time at a community college during the 2013-2014 academic year, please consider applying for Cohort 10 of the AMATYC Project ACCCESS that will meet for the first time at the 2013 annual conference. Details about Project ACCCESS can be found on the AMATYC website by clicking on the Project ACCCESS logo.



#### Cohort 8

Back Row: Josua Illian, Joseph LaForge, Larry Tingen, Hatesh Radia, Derek Hiley, Donna Helgeson, Julia Head, Kathleen Lefert, Cindy Alder, Maya Lanzetta, Alice Wilson

Front Row: Faun Maddux, Venessa Singhroy, Devika Lalsinghani, David Britz, Christy Hediger, Tammy Louie, Susan Cooper-Nguyen, Elizabeth Gamboa, Catherine Nightingale



### Cohort 9

Back Row: Jennifer Nohai-Seaman, Lisa Sallee, Michael Pemberton, Mariano Arellano, Joshua Hammond, Johnny Hu, Everett McIlwain, Mark DeSmet, Jesse Kiefner, Steven Zollinger, Jim Rhodes, Diann DeJulia, Jennifer Applebee, Padmal Mahawanniarachchi, Leslie Banta

Front Row: Elizabeth Steen, Jessica Bernards, Heather Barker, Matthew Pragel, Sarah Miller, Brittany Mosby, Mike Bostick, Eliza Lee, Jon Oaks (Not Pictured: Andrea Hoagland)

## **AMATYC** Appointments

# **Professional Development Coordinator Appointed**



Ion Oaks assumes the duties of Professional Development Coordinator. Jon is a mathematics instructor at Macomb CC in Warren, MI. His interest lies in teaching courses such as Mathematics for Education, Statistics, and Everyday Mathematics, and in increasing student success in developmental mathematics courses. Before coming to Macomb, he taught as an adjunct instructor at other colleges in the Metro Detroit area. At Macomb he is part of the Multicultural International Initiatives Committee. Prior to assuming this role as Professional Development Coordinator. he served as the interim coordinator. Currently, he is also

a Fellow of AMATYC's Project ACCESS Cohort 9. Ion is an active member of MichMATYC and is the Campus Representative for this affiliate.

For any additional information about him, visit his website at www.jonoaks.com.

## Website Coordinator Appointed

At the 2012 Fall Board Meeting, George Hurlburt was appointed as the new Website Coordinator. George earned his B.A. in Mathematics from SUNY Potsdam in Potsdam, NY, and his M.S. in Mathematics from Kansas State Univ in Manhattan, KS. He is currently a Professor of Mathematics at Corning CC, Corning, NY.

At Corning, he has taught courses ranging from Prealgebra through Differential Equations, including multiple online and hybrid classes. George also served six years as the Mathematics Department Chair. He is a recipient of the Corning Regional Board of Trustees Excellence in Teaching



Award and the SUNY Chancellor's Award for Excellence in Faculty Service.

George is a regular presenter at the New York State Mathematics Association of Two-Year Colleges (NYSMATYC) Annual Conference. He served six years on the NYSMATYC Board, including serving as its president, 2007-2008. His AMATYC services include, member of AMATYC Delegate Assembly, member of both AMATYC's Faculty Development and Nominating Committees, and Northeast representative to the AMATYC Innovative Teaching and Learning Committee since 2009.

# Grants Coordinator Appointed



John Pazdar will be serving as the new Grants Coordinator. He is a Professor Emeritus at Capital CC in Hartford, CT, having served in many roles such as Department Chairperson during his time at Capital. He taught from 1967 until retirement in 2002. Since then he has been teaching as an Adjunct Professor at Asnuntuck CC in Enfield, CT. He is an AMATYC Charter Member and enjoys visiting with colleagues at conferences throughout the year. In his spare time he can be found on the golf course or with his grandchildren. John brings to this

position many years of experience as a grants developer and writer, and looks forward to his new role of service for AMATYC.

# AMATYC's 2012 **Corporate Partners**

by Louise Olshan, AMATYC Advertising Chair

The AMATYC Corporate Partnership Program provides AMATYC's commercial friends with an opportunity to maximize their visibility with AMATYC members. Corporate Partners receive several benefits including extensive advertising at a reduced rate while AMATYC receives and acknowledges assured support for its programs and members.

AMATYC thanks Hawkes Learning Systems and McGraw-Hill for being Corporate Partners for 2012. Hawkes has been an AMATYC Corporate Partner since the program was instituted in 2005. McGraw-Hill became a Corporate Partner in 2012. A very sincere thank you to both companies for their support of AMATYC and its members.

When you meet representatives of these companies, be sure to thank them for their interest in supporting mathematics faculty and for their support of AMATYC.

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:

#### **AMATYC Office**

Southwest Tennessee CC 5983 Macon Cove Memphis, TN 38134 Phone 901.333.6243 Fax 901.333.6251 amatyc@amatyc.org

All other correspondence should be directed to:

David Tannor AMATYC News Editor Muskegon CC 221 S. Quarterline Rd. Muskegon, MI 49442 Phone 231.777.0609 Fax 231.777.0487 AMATYCNews@amatyc.org



## CBMS Releases New Report on the Mathematical Education of Teachers

by Ronald Rosier, CBMS Director

What mathematics do teachers need to know? How can mathematicians aid teachers in learning this mathematics, in collaboration with others responsible for teacher education?

Current research and experience are synthesized to answer these questions in the new report *The Mathematical Education* of *Teachers II* (MET II) from the Conference Board of the Mathematical Sciences (CBMS). This report updates *The Mathematical Education of Teachers* (published in 2001) and extends its scope from preparation to professional development in the context of the Common Core State Standards for Mathematics.

The audience for the report includes all who teach mathematics to teachers – mathematicians, statisticians, and mathematics educators – and all who are responsible for the mathematical education of teachers – department chairs, educational administrators, and policy-makers at the national, state, school-district, and collegiate levels. The report's central themes are as follows:

- There is intellectual substance in school mathematics at every grade level.
- Proficiency with school mathematics is necessary but not sufficient mathematical knowledge for a teacher.
- The mathematical knowledge needed for teaching differs from that of other professions.
- Mathematical knowledge for teaching can and should grow throughout a teacher's career.

Over the past decade, the Math and Science Partnership (supported by the NSF and the United States Department of Education) and the NSF's Robert Noyce Teacher Scholarship Program have connected mathematicians at institutions of higher education with K-12 school systems, fostering new partnerships and extending existing collaborations. For practicing K-12 teachers, content-based professional development offered by Math and Science Partnership has changed their attitudes about mathematics, and increased their mathematical interest and abilities. Moreover, it has increased the achievement of their students.

In several states, Math and Science Partnership have provided strong mathematics preparation for elementary mathematics specialists – teachers who may hold the title elementary mathematics coach, elementary mathematics instructional leader, or lead teacher. A 3-year randomized study found that such specialists' coaching of teachers had a significant positive effect on student achievement. Large-scale studies that examine connections between student achievement in earlier and later grades suggest that improved mathematics instruction in preschool and elementary grades has a large payoff in later achievement, not only for mathematics in later grades (including high school), but for reading.

The MET II report gives an overview of such developments and gives recommendations for teachers' preparation and professional development. It devotes separate chapters to mathematics for teachers of elementary, middle, and high school grades. The associated web resources give sources of further information about mathematics in the Common Core State Standards and programs for teachers.

Each of the MET II writers is a mathematician, statistician, or mathematics education researcher. They include lead and other writers for the Common Core State Standards and principal investigators for Math and Science Partnership as well as past presidents and chairs of the American Statistical Association, Association of Mathematics Teacher Educators, Association of State Supervisors of Mathematics, Conference Board of the Mathematical Sciences, and National Council of Teachers of Mathematics.

The report may be downloaded for free at the Conference Board of the Mathematical Sciences website: www.cbmsweb.org/MET2. Printed copies may be ordered from the American Mathematical Society at www.ams.org/bookstore-getitem/item=CBMATH-17.

The Conference Board of the Mathematical Sciences (CBMS) is an umbrella organization consisting of sixteen professional societies all of which have as one of their primary objectives the increase or diffusion of knowledge in one or more of the mathematical sciences. Its purpose is to promote understanding and cooperation among these national organizations so that they work together and support each other in their efforts to promote research, improve education, and expand the uses of mathematics. For further information, contact CBMS director Ronald Rosier: rosier@georgetown.edu, 410-730-1426; 202-293-1170.

# 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 or 901.333.6243.

## Highlights of the 2012 AMATYC Fall Board Meeting

by Mary Beth Orrange, Board Secretary

The AMATYC Executive Board met in Jacksonville, FL on November 4-10, 2012. Highlights of the meeting included the following:

- Keven Dockter was appointed with a unanimous vote to a new term, 2014-2018, as Conference Coordinator.
- The position statement on proctored testing was endorsed by the Board and subsequently unanimously approved by the Delegate
- Strategic Planning session was led by President-Elect Nancy Sattler.
- The creation of an AMATYC Institutional Review Board was approved.
- An AMATYC privacy policy was approved.
- An Organizational Assessment Committee was formed and will begin functioning January 1, 2013. The purpose of the Assessment Committee will be to coordinate the planning and implementation of assessment of AMATYC programs and activities.
- There was discussion of the ongoing plans for the 40<sup>th</sup> Anniversary Celebration at the 2014 AMATYC Annual Conference in Nashville. TN.
- Three individuals were appointed to the AMATYC/ASA Joint Committee: Mary DeHart, term ending 2014; Mary Moynihan, term ending 2015; and Julie Hanson, term ending 2013. Jon Oaks was appointed Professional Development Coordinator for a term ending December 31, 2014, and **John Pazdar** was appointed AMATYC Grants Coordinator (term of appointment, EOC 2012 through EOC 2015.) **George Hurlburt**, was appointed Website Coordinator for one year, 2013. Susan Strickland was reappointed as Student Mathematics League Coordinator, 7/1/13 through 6/30/15.
- Chris Lat-Kit Yuen was appointed as the AMATYC Research Associate (ARA) for his research project entitled "Mathematics Anxiety Learning Phenomenon: Adult Learner's Lived Experience and Its Implications for Developmental Mathematics Instruction."
- Three, six-presentation themed sessions were approved for the 2013 AMATYC Annual Conference in Anaheim, CA: Teacher Preparation Committee, Statistics Committee, and Mathematics Intensive Committee.

Full minutes of the meeting may be found at www.amatyc.org/documents/ FBM\_2012\_minutes\_final.pdf, which is linked from the AMATYC website, www.amatyc.org.

### AMATYC and ASA

by Jim Roznowski, President

With the start of the new year, AMATYC and the American Statistical Association (ASA) have formed a joint committee to increase the cooperation and coordination between the two associations. The committee will meet regularly by conference call or other forms of electronic communication.

At its meeting prior to the AMATYC Annual Conference in Jacksonville, the AMATYC Executive Board appointed Julie Hanson (Clinton CC), Mary DeHart (Sussex County CC), and Mary Moynihan (Cape Cod CC) to represent AMATYC on the new committee. In 2013, ASA representative Mary Parker will chair the committee. An AMATYC member will assume the chair's position for 2014-2015.

The purpose of the Joint Committee is as follows:

- 1. Improve the quality of statistics education in twoyear colleges by planning workshops, conference presentations and other effective forms of professional development for two-year college statistics instructors.
- 2. Promote consistency and transferability between statistics courses offered at two- and four-year colleges.
- 3. Communicate with two- and four-year colleges about statistical preparation of elementary and secondary teachers.
- Communicate with K-12 mathematics educators to address the effect of pre-college statistical education on statistics courses taught in two-year colleges.
- 5. Ensure ongoing communication between AMATYC and the ASA with the objective of identifying changing trends in undergraduate statistics education.

For more information about AMATYC's work on statistics at the two-year college level, please contact Mary DeHart (mdehart@sussex.edu) chair of the AMATYC Statistics Committee.

# **AMATYC** Calendar of Events

Check the AMATYC website, www.amatyc.org, for information on conferences and meetings from other organizations.

February 21-23, 2013 TexMATYC/TCCTA 66th Annual Conference, Westin Galleria & Westin Oaks Houston, Houston, TX. Website: www.texmatyc.org

February 22, 2013 ArizMATYC Meeting, Phoenix College, Phoenix, AZ. Website: www.arizmatyc.org

March 1-2, 2013 KYMATYC 39th Annual Meeting, Barren River Lake State Resort Park, Lucas, KY. Contact: Don Barnes, don.barnes@ kctcs.edu. Website: www.ky.matyc.org

March 8, 2013 AlaMATYC Conference, Southern Union CC, Opelika, AL. Contact: Paige Feibelman, pfeibelman@suscc.edu. Website: www.ala.matyc.org

March 14-15, 2013 2013 NCMATYC Annual Spring Conference, Haywood CC, Clyde, NC. Contact: Glynis Mullins, gmullins@email. pittcc.edu, or Ann Deboever, adeboever@ cvcc.edu. Website: www.ncmatyc.matyc.org/ conferences/2013-ncmatyc-spring-conference

April 5-6, 2013 VMATYC Conference, Wytheville CC, Wytheville, VA. Contact: Mike Kirby, mkirby@tcc.edu. Website: www.vmatyc.org

## Mathematics Excellence Award

# 2014 Mathematics Excellence Award Nominate a Colleague Soon!

Do you have a colleague who deserves special recognition for his or her outstanding contributions to mathematics or mathematics education in two-year colleges? Think about nominating that person for the AMATYC Mathematics Excellence (ME) Award. Nominations are now open and the ME award will be presented at the 2014 AMATYC Annual Conference in Nashville, TN. The following information is requested from each nominee:

- A résumé or curriculum vitae, 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 than letters that simply reiterate items mentioned in the résumé.)

In order to consider all candidates on the same basis, any additional materials submitted will not be considered. **Nominations close November 1**, **2013**. The awardee will be selected 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).

A committee, the Mathematics Excellence Award Committee, has been formed for the selection process. Members of this committee were elected during regional meetings at the AMATYC Annual Conference in Jacksonville. You may contact one of them for more information.

Committee member	Region	Email
Susan McCourt	Northeast	susan.mccourt@bristolcc.edu
Christine Mirbaha	Mid-Atlantic	cmirbaha@ccbcmd.edu
Debbie Garrison	Southeast	dgarrison@valenciacollege.edu
Mary Ann Hovis	Midwest	hovis.ma@rhodesstate.edu
Ben Moulton	Central	ben.moulton@uvu.edu
Mary Robinson	Southwest	maryrobn@unm.edu
Ann Sitomer	Northwest	asitomer@pcc.edu
Stephen Toner	West	stephen.toner@vvc.edu

Visit the AMATYC website, www.amatyc.org/awards/MathExcellence/Nomination.htm, for more information. Submit nomination materials by email (rfarinelli@csmd.edu) or US mail to:

Rob Farinelli AMATYC Past President and Chair of the Mathematics Excellence Award Committee 8730 Mitchell Road PO Box 910 La Plata, MD 20646

#### Calendar of Events, cont.

April 12-14, 2013 46<sup>th</sup> NYSMATYC Annual Conference, The Queensbury Hotel, Glens Falls, NY. Contact: Sophia Georgiakaki, georgis@tc3.edu. Website: www.nysmatyc.org

April 13-14, 2013 **24**th **NMMATYC Conference**, New Mexico Tech, Socorro, NM. Website: www.nm.matyc.org

April 19, 2013 NEBMATYC Conference, Central CC, Columbus, NE. Contact: Bonny Rainforth, bonnyrainforth@cccneb.edu, or Amy Wahlmeier, awahlmeier@cccneb.edu. April 25-27, 2013 **26**th Annual ORMATYC Conference, Inn at Spanish Head, Lincoln City, OR. Contact: Charlie Naffziger, president@ormatyc.org. Website: www.nysmatyc.org

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. Website: www.tinyurl.com/swamatyc

October 31- November 3, 2013 39th Annual AMATYC Conference, Anaheim, CA. Contact: AMATYC Office, amatyc@amatyc.org

A form is available to update or add affiliate conference information. The form can be found at www.amatyc.org/affiliates/affiliates-conferences.htm.

### Jacksonville 2012

by Jerrett Dumouchel

The 38th Annual AMATYC Conference, November 8-11, 2012, has come and gone. Months of planning and preparation work resulted in all those who attended feeling that they would encounter experiences to deepen their river of knowledge and expand their ocean of dreams. This conference was a huge success. It offered the 1100+ attendees choices of 180 sessions/ workshops and opportunities to meet with 40 exhibitors. All of this amazing professional development occurred in the picturesque setting of Jacksonville, FL, a city of rivers and lights.

Wednesday evening, prior to the official beginning of the conference, the local events committee hosted a game night for those who arrived early. Old friends became reacquainted, new friends



Attendees enjoying game night

were made, and the local committee members displayed that famous southern hospitality to everyone that attended. Food, fun and raffle prizes were abundant throughout the night.

Thursday morning, the conference took off in full gear. Attendees were



Session participants

buzzing about the conference app. Participants were heard echoing ideas found during great sessions. President

Jim Roznowski presided over the opening session in the afternoon. At this official gathering, Martha Goshaw was awarded the AMATYC Mathematics Excellence Award for her outstanding contributions to mathematics and mathematics education at the two-year college level. Then, Diane Maldonado, Associate Vice



Opening Session speaker, Diane Maldonado

President for Academic and Student Affairs at Point Park Univ in Pittsburgh, PA, gave an informative presentation about the current state of accreditation. The exhibit hall opened at 4:30 pm to throngs of enthusiastic conference attendees and was a center of activity during subsequent days.

The conference continued on Friday with vigor, even though many members had stayed up late the night before watching the local professional football team, the Jacksonville Jaguars, play the Indianapolis Colts. Steve Piscitelli, one of the local featured speakers, gave a fun and educational presentation about life



Regional Meeting and lunch

success. Friday lunch found conference members collecting packaged lunches and then immediately heading off for Regional Meetings. This new format gave more members the opportunity to



Breakfast speaker. Keith Devlin

participate in this important aspect of the conference. It will be repeated at this year's conference in Anaheim, CA.

Early Saturday morning the local events committee was up and preparing the ballroom to serve breakfast to nearly 750 attendees and their guests.

President Jim Roznowski thanked all the individuals who worked diligently to make AMATYC a great organization and the conference a success. Special recognition was given to the Local Events Committee and Keven Dockter. Conference Coordinator, for providing an outstanding conference experience. Wanda Garner was recognized by the membership for her many years of service to AMATYC as the Program Coordinator, Individual and Student Mathematics League awards were presented, and keynote speaker, Keith Devlin, discussed "The Missing Link: A Tale of Literary Forensics." At noon, Lucy MacDonald, Faculty Emerita from Chemeketa CC in Salem, OR, shared her expertise on successful strategies in getting students to read textbooks. She introduced TRG, a Textbook Reading Guide that provides a process for reading as well as acting on what one reads.

The final sessions for the conference were held on Sunday. As all were preparing to leave, members appeared tired, yet energized knowing that they had been part of an amazing professional development experience. Plans were made to reconnect in Anaheim. Understanding that AMATYC members could have this experience again this year seemed to make saying goodbye a bit easier. AMATYC looks forward to seeing you in sunny California and wishes you a great school year.

## Jacksonville 2012

## Exhibit Hall Activity

by Frank Goulard, Exhibits Chair



Attendees visiting with an exhibitor

The Exhibit Hall at the AMATYC Annual Conference in **Jacksonville** was full of exhibitors and activities. The entire hall of seventy booths was utilized by fortytwo exhibitors. Many exhibitors

had one booth, while several had multiple booths. The largest exhibitors by number of booths were Pearson Education, Hawkes Learning Systems, McGraw-Hill Higher Education, and Cengage Learning, Hawkes and McGraw-Hill are AMATYC Corporate Partners, and AMATYC is grateful for their sponsorship.

The Grand Opening on the Thursday of the conference was as usual, a great success. Exhibitors reported that attendees showed constant interest in their products. The hall was opened for three hours on Thursday, and ten hours each on Friday and Saturday. Attendees' interests never waned, and there was steady traffic all through the hours.

Another nice result of the Exhibit Hall experience was the complimentary extras that exhibitors provided. Most exhibitors give away advertising specialty items in the form of keychains, pens, and other accessories. There was never a shortage of chocolate either, in the form of mini-bars or Hershey's Kisses! During each of the three days that the Exhibit Hall was open, some exhibitors went the extra mile to provide different foods and drinks. At various times, there was a margarita machine, wine and cheese display, a cotton candy machine, continental breakfast bakery items, and tasty hors d'oeuvres.

Each year, some exhibitors present their product and services in the form of a commercial presentation or product

presentation. At last year's conference, commercial presentations lasted ninety minutes while product presentations ran for thirty minutes. These presentations were excellent ways to further learn about the exhibitors' products and services.



Attendees watching a product presentation

Feedback about exhibitors and the Exhibit Hall is always valuable for improving future conference experiences. If you have comments, please send them to Frank Goulard at fgoulard@pcc. edu. Thank you to all exhibitors and conference attendees for a successful Exhibit Hall.

### Jacksonville Poster Session

by Judy Williams, Program Coordinator

On Friday afternoon at the recent AMATYC Annual Conference, as the Regional Meetings ended, attendees headed to fill their minds with innovative and practical ideas for use



Attendees browsing the posters

"In the Classroom and Beyond" at the annual Poster Session. The session ran from 1:45 pm to 3:45 pm and was held on the 2<sup>nd</sup> floor Preconvene Area of the Jacksonville Hyatt. Some attendees had already browsed the poster displays which were made available at 11:30 am. After the session, posters remained on tables until 5:30 pm. A number of viewers returned for a second look at them. The Poster Session was filled with many enthusiastic comments such as, "I love being able to talk with the presenter as long as I want" and "I was able to ask for more details about this project." Several requests were made for a dedicated poster room or multiple poster sessions at this year's annual conference.

Thirty-nine posters displayed the work of fifty presenters. Fourteen Project ACCCESS Fellows of Cohort 8 shared the results of their required projects. Some posters presented on developmental mathematics education with a focus on



Poster presentations

topics ranging from empowering and motivating students to creating mathematics manipulatives to enhance learning. Mirroring the rest of the conference program, Course Redesign was the focus of other

posters. Emphasis was placed on the use of technology in podcasting and classroom flipping, as well as instructional design for online courses. Attendees were also introduced to "engineering notation" as an alternative to scientific notation and application of racing logs in statistical analysis.

Consider participating in this year's Poster Session at the 2013 AMATYC Annual Conference. When a good idea for a poster comes to mind, do not forget to make a note of it, and watch for the Anaheim Call for Posters in the April issue of the AMATYC News.

## Conference Notes

## Conference App a Success!

by Keven Dockter, Conference Coordinator

At the 2012 AMATYC Annual Conference, AMATYC unveiled its first conference app and earned high marks from those who put it to work. There were 530 members who downloaded the program and created their own personal schedule in advance of the conference. Maps of the meeting space in the hotel were available as well as a list of exhibitors and posters. The Local Events Committee provided information on nearby restaurants which were included with a Google map so people could find the restaurant of their choice. Additional



features included the option to upload pictures taken by attendees on their smart phones and the ability to connect to Twitter to follow the many tweets sent during and after the conference.

If you were not able to attend the conference or did not download the app, you can still access it at www.guidebook.com/g/

AMATYC2012/. There is still time for those who took pictures at the conference and would like to share them through the app.

This year, AMATYC will again use the Guidebook app. There will be versions for the iPhone/iPod, Android, Blackberry and Windows Phone (via web), Kindle Fire, and iPad. The app will be made available approximately two weeks prior to the start of the conference on October 31, 2013, so people can begin their planning early. More items such as committee meetings, scheduled open forums, a list of nearby eating establishments and entertainment options around the Anaheim Marriott will be included. See you in Anaheim!

## Local Events Coordinator for the 2015 AMATYC Annual Conference

Jeff Hughes has been chosen as the Local Events Coordinator for the AMATYC Annual Conference in New Orleans, LA. Jeff is a mathematics instructor at Hinds CC in Raymond, MS. He has worked at Hinds for twenty years and his favorite courses to teach are College Algebra, the Calculus sequence and Differential Equations. He sees teaching as a



privilege and enjoys the challenge of finding new ways to present topics while engaging students. He is the coauthor of *College Algebra* 11<sup>th</sup> edition and *Precalculus* 1<sup>st</sup> edition, both published by Cengage Learning. He is also a past president of LaMsMATYC, the Mississippi-Louisiana affiliate of AMATYC. He has worked part-time as Minister of Students at his church for over fifteen years and enjoys traveling. He taught English in China for seven summers with ELIC, the English Language Institute/China.

# Modeling and Applications Symposium

by Sandy Poinsett, Committee Chair

The Math Intensive Committee hosted a symposium at the recent AMATYC Annual Conference entitled "Modeling and Applications." Gary Rockswold and Sheldon Gordon were the invited speakers. Sheldon, however, was not present at the conference due to damage to his home by Hurricane Sandy. Nonetheless, with the help of Keven Dockter and



Gary Rockswold

the conference technology staff, he was able to present from his home in Long Island, NY.

Gary discussed why students need modeling and illustrated with real-life examples how modeling can help students increase their problem solving skills. Participants were given the opportunity to try their hands at some sample exercises for modeling current real-life problems. Sheldon followed with his presentation that included a discussion about the many resources available for finding real data to develop modeling applications. The Math Intensive Committee is very grateful to both speakers, Keven, and the technology staff for a successful symposium.

If you would like to watch the presentations or have access to the handouts shared at the symposium, please check out the conference proceedings and video presentation links on the AMATYC homepage (www.amatyc.org). To learn more about the Math Intensive Committee or to be involved in the committee throughout the year, email Sandy Poinsett at sandrap@csmd.edu. Participation is open to all AMATYC members.

# Innovative Teaching and Learning Committee

by Fred Feldon, Committee Chair



The Innovative Teaching and Learning Committee (ITLC) sponsored an Ignite Event at the 2012 AMATYC Annual Conference in Jacksonville. The Grand 2 and 3 Ballrooms were full with attendees the entire time, and

it was a blast! This is always a good sign! The purpose of the event was to share and network on crucial issues,

>> continued on page 13

## **Committee Reports**

## Developmental Mathematics Committee

by Linda Zientek, Committee Chair

The AMATYC Developmental Mathematics Committee's (DMC) membership continues to increase. Currently, there are approximately 200 DMC members and a number of sessions at the AMATYC Annual Conference in Jacksonville were devoted to developmental mathematics. Seven members presented in a DMC sponsored themed session entitled "Evidence-based Developmental Math Redesigns."

Sharing information, learning from colleagues, and networking are goals that the DMC tries to facilitate for members. The DMC newsletter, website, and Google Groups are venues that DMC members can utilize to communicate with colleagues. DMC members are encouraged to submit information for inclusion on the website and in the newsletter. If you have suggestions for webinars, please share your ideas with Linda Zientek (Irzientek@shsu.edu) or your DMC regional representative.

In Jacksonville last year at the annual conference, the DMC worked on two position statements: Teacher Qualifications for Developmental Mathematics and The Appropriate Use of Intermediate Algebra as a Prerequisite Course. The Teacher Qualifications for Developmental Mathematics was a previously adopted position statement and was approved with minor revisions. A subcommittee will change the title to better reflect the content of the position statement. The draft of the second position statement, The Appropriate Use of Intermediate Algebra as a Prerequisite Course, was approved with the agreement that a subcommittee would restructure the statement in the format of previously approved AMATYC position statements. Final approval of the intermediate algebra position statement will take two years. If the statement is approved by the AMATYC Executive Board, an input hearing will occur at the 2013 AMATYC Annual Conference. Modifications will be made based on information from the input hearing and then the position statement is expected to be presented to the Delegate Assembly at the 2014 AMATYC Annual Conference.

For further updates on activities and initiatives of the DMC committee, please consult the website or become a member of the committee. DMC members receive updates through Google Groups. Invitation to join the Google Groups are sent to all DMC members.

## **Student Mathematics League**

by Susan R. Strickland, Coordinator

At the time of this writing, the results from Round 1 of the Student Mathematics League (SML) competition are still coming in. Round 2 will take place from Friday, February 15 through Saturday, March 9, 2013. If your school is not already participating in the SML, please visit the website at www. amatyc.org/SML to learn more. You can contact the SML Coordinator by email at sml@amatyc.org if you have any questions about the competition or how to get your school to participate.



Steve Blasberg of West Valley College accepting the Glenn Smith Team Award from Susan Strickland and Jim Roznowski, AMATYC President.

Several awards were given during the Saturday Breakfast at the AMATYC Annual Conference in Jacksonville. The Glenn Smith Team Award was given to the team from West Valley Col in Saratoga, CA. The Charles Miller Memorial Scholarship



Jane Tanner, Northeast Region VP, congratulates Sean Simpson, winner of the Faculty Mathematics League.

(generously given by Pearson Education) was awarded to Ziqi Hang from East Los Angeles Col in Monterey Park, CA, by Maureen O'Connor, Pearson Education representative. This was a particularly noteworthy award as it is the first time that a female participant was awarded the scholarship. Julia Huang from West Valley Col was the top scoring individual student participant. This was also the first time having a female in this top rank.

The results of the Faculty Mathematics League (FML) test given during the conference were also announced at the Saturday Breakfast.

The exam was given to 38 quite serious participants. The third place winner was Curtis Mitchell from Kirkwood CC, Cedar Rapids, IA, and the second place winner was Steve Wilson from Johnson County CC, Overland Park, KS. The

coveted plexiglass statue for the winning regional team of three was the Central Region, and the statue was presented to VP Nicole Lang. This year, the Faculty Mathematics League competition was again sponsored by Mu Alpha Theta, and the winner was once again Sean Simpson from West Chester CC in Valhalla, NY. He was awarded a TI-Nspire by Kay Weiss, the executive director of Mu Alpha Theta.

It is never too late to participate in the SML competition. For further inquiries, contact Susan Strickland at sml@amatyc.org



Jane Tanner, Northeast Region VP, passes the FML statue to Nicole Lang, Central Region VP.

## Affiliate Regional Meetings

### You're Invited!

by Ana Jimenez



The Southwest Region of AMATYC invites you to the beautifully wooded surroundings of Flagstaff, AZ, this summer for the AMATYC Southwest Regional Conference on June 14-15, 2013. The conference, "Taking Mathematics to Grand Heights," will be hosted by Coconino CC's Lone Tree Campus.

At the base of the San Francisco Peaks and an elevation of 7000 feet, Flagstaff is the perfect location for a summer getaway. Flagstaff offers numerous hiking and biking trails in the area, is a one and a half hour drive from Grand Canyon

National Park, minutes from three national monuments, 40 minutes from Sedona, and about an hour from Meteor Crater.

Submissions for presenters and presiders are currently being accepted. Presenting will provide you with an excellent opportunity to share your knowledge and experience with mathematics colleagues. Presiding is an excellent way to support the presenters and play a key role in making the conference run efficiently.

Visit the AMATYC Southwest Region Conference website, www.tinyurl.com/swamatyc/, to register, apply to present or preside, or to check out the local attractions. See you in June!

## The Show Must Go On!

by Stefan Baratto, Northwest VP

When the site of the 2013 Washington Community College Mathematics Conference was first announced, there was excitement that the conference would be held at the beautiful Semiahmoo in Blaine, WA. Fast-forward to this past fall, unfortunately, Semiahmoo would close. Nevertheless, the organizers of the conference were quick to find a new location and revise the conference date. This year's 45th Annual Conference will be hosted by Whatcom CC in Bellingham, WA, at the Firs Conference Center on May 9-11. This new site is equally as beautiful as the previous one.

Two-year college mathematics faculty throughout Washington State owe a debt of gratitude to Will Webber, the conference committee chair, and Whatcom CC for working so diligently and not allowing any initial disappointment to mar the annual conference. For more information about the conference, visit www.wamatyc.info, the website of the state affiliate, Washington Mathematical Association of Two-Year Colleges (WAMATYC). Questions can be directed to mathconference@whatcom.ctc.edu.

Whatcom CC and the conference committee are putting together this spectacular conference. The 200-plus attendees should expect to have the opportunity to network with colleagues while attending over 30 great presentations. Of course there will be the usual discussions on placement, assessment, upper-level mathematics, pedagogy, and how mathematics can meet the needs of industry. This year, expect to see many presentations addressing how the Common Core State Standards for Mathematics would impact two-year college mathematics classes.

Fasten your seat-belts everyone for an exciting conference. See you all in Bellingham!

## KYMATYC Annual Conference

by Don Barnes, KYMATYC President

On March 1-2, 2013, Kentucky Mathematical Association of Two-Year Colleges (KYMATYC) will be hosting its 39<sup>th</sup> Annual Conference at the beautiful Barren River Lake State Resort State Park in Lucas, KY. Jeff Bennett, considered by many to be the originator of the Mathematical Literacy concept, astronomer, and author of numerous children's mathematics and astronomy related books will be the keynote speaker. All are cordially invited!

If you have conducted research in or participated in discussions related to the learning and teaching of community college mathematics, have implemented a new course, used innovating teaching and learning techniques, or have any idea that will enrich the understanding of mathematics, consider presenting at the conference. All presenters will receive **free registration**!

If you do not want to present, but you have a concept you would like to share, consider signing up for a poster session. You may also consider leading the usual fun Breakout Sessions which was a big hit last year. These sessions are for discussing ideas around the teaching and learning of mathematics. Some ideas are critical thinking in the classroom, quality control of online classes, and development of classes online. If you have other topics you would like to address, be sure to highlight them when you sign up. For more information about the conference check out the conference link on www.ky.matyc.org, or you may send inquiries to Don Barnes at don.barnes@kctcs.edu.

## Discovering the Art of Mathematics

by Christine von Renesse, Julian F. Fleron, Philip K. Hotchkiss, and Volker Ecke

Discovering the Art of Mathematics (DAoM) provides a library of free curriculum materials and traveling workshops which have been developed specifically to help support faculty in making their mathematics for liberal arts and other general education mathematics courses more inquiry-based, student-centered, and connected to the liberal arts and humanities. Its visions are to have liberal arts and other general education students be actively involved in authentic mathematical experiences that are both challenging and intellectually stimulating; that provide meaningful cognitive and metacognitive gains; and that nurture healthy and informed perceptions of mathematics, mathematical ways of thinking, and the ongoing impact of mathematics not only on STEM fields but also on the liberal arts and humanities.

The DAoM library already has eight learning guides freely available for classroom use. Each of these inquiry-based guides provide sufficient curriculum materials for a semester-long course; sometimes enough for a year-long course. These texts can be used as content for themed courses (e.g. geometry, music and dance, the infinite, games and puzzles), for briefer modular use to experiment with inquiry-based learning, or to help supplement typical topics with classroom tested inquiry-based approaches (e.g. rules for exponents, large numbers, proofs). Texts are available as PDF files at artofmathematics.westfield.ma.edu/, a classroom vignette and examples of modules at artofmathematics.westfield.ma.edu/introduction/index.html, and an index of supplemental topics at artofmathematics.westfield.ma.edu/TopicMatrix.html.

To help support the use of inquiry-based teaching and learning in general education mathematics courses, DAoM offers free, one- to two-day workshops which travel to you. In DAoM traveling workshops you will find the following:

- An experience of what mathematical inquiry can feel like in a mathematics for liberal arts classroom.
- An investigation of particular content areas that might connect with your liberal arts and general education students.
- A comprehension of, and practical ways for creating a classroom environment where productive, safe, deep, and studentcentered mathematical inquiry can take place.
- A reflection on how interactions between teachers and students depend on the nature of the curriculum materials, classroom setup and the roles teachers build for student learning.

DAoM is funded by the National Science Foundation. There is no cost to bring a DAoM traveling workshop to your region. If you are interested in a traveling workshop at your school, email AMATYC at amatyc@amatyc.org. If you are interested in beta testing or have questions about DAoM, email the DAoM team at artofmathematics@westfield.ma.edu.

A shepherd sent his collie out to count the sheep at the end of the day to be sure they are all there. The collie returns, and says, "We have 40 sheep!" The shepherd says, "We are only supposed to have 38." The collie replies, "I know, I rounded them up."



The philosopher and mathematician René Descartes was sitting in a bar having a few drinks. The bartender came over and asked René if he'd like another round, to which René responded, "I think not." He immediately disappeared.

#### >> Ignite, Continued from page 10

ideas, and current and best practices in teaching and learning mathematics.

Ignite Events are fun and fast-paced Web 2.0 events that began in Seattle in 2006 and have since become an international phenomenon. Twenty slides are automatically advanced every fifteen seconds during which a speaker has a total of exactly five minutes to share a passionate topic. Some of last year's topics were centered on authentic assessment, how students explain their thinking processes, innovation and humor in the classroom, peer review, smartpen technology, mathematics anxiety, open-source textbooks, course redesign, student films, slide rules, numerical fulcrums, using games to teach math, and many more.

Until files are uploaded to www.igniteshow.com, you may access all the presentations at www.slideshare.net/ffeldon and download video coverage of the event from dlmedia.ccc.cccd. edu/coastlinemedia/FredsShow.wmv.

## **AMATYC** Foundation 2011 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 ACCCESS, 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 2011 made these generous

gifts and to express gratitude for their support. Thank you! AMATYC strives to ensure accuracy within this Honor Roll listing of all the donors for the 2011 calendar year. If you find your information to be incorrect or if you prefer your name to be listed differently in the future, email Beverly Vance at amatyc@amatyc.org so she can make the appropriate corrections to the Foundation database.

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### AMATYC Foundation Thanks You!

The Regional Pride competition in Jacksonville was a huge success, resulting in donations of \$19,045. These contributions will be put to good use to support AMATYC Project ACCCESS and other AMATYC initiatives. At this year's conference 422 individuals donated to the foundation – this represents 37% of the conference attendees. The Foundation is very thankful for your support. Winners of the Foundation drawings were Frances Furbert (Bermuda Col, Bermuda), Andria Villines (Bellevue Col, WA), Jill Williams, (Greenville Technical Col, SC), and Tammy Louie (Portland CC, OR).

Contributions to the Foundation support the mission, goals, and activities of AMATYC, including support for AMATYC Project ACCCESS and Mini-Grants to AMATYC members. There are several donation options to choose from for any gift, small or large: a one-time donation, a sustained gift (recurring contribution at any interval that is convenient for you), or remember AMATYC with a bequest or as a beneficiary in your estate.

Go to www.amatyc.org/foundation/campaign2010.html. If you have any questions, contact the AMATYC Office today, 901.333.6243, or contact Rob Farinelli, 2012 Foundation Chair, rfarinelli@csmd.edu.



# 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. 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

