

AMATYC NEWSSM

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Have a Prime Time in San Diego

by Tammi Marshall, San Diego Local Events Coordinator



Do you even need a good reason to come to San Diego in November? Besides the beautiful sunshine and amazing weather (the average temperature is 70 degrees in November), the AMATYC annual conference gives you one other reason for visiting "America's Finest City."

Here are a few trivia questions for you, which will be answered at the end...

- What country first claimed California?
- How many missions were built in California?
- Where was the first mission?
- What is the first downtown area of San Diego called today?



Downtown View from Point Loma (Courtesy of Joanne DiBona, www.sandiego.org)

Besides attending what promises to be an incredible conference, there is so much to do in San Diego. You won't believe the diversity in the numerous beaches as well as the beauty in the cliffs surrounding the beaches. Visit Sea World, the USS Midway, or the San Diego Zoo which is known as one of the finest in the world. In addition to being absolutely beautiful, downtown San Diego has much

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AMATYC IMPACT

by Nancy Sattler and Mary Beth Orrange, co-chairs
Beyond Crossroads Revision Steering Committee

AMATYC IMPACT (Improving Mathematical Prowess And College Teaching) is the follow-up document to AMATYC's signature documents *Crossroads in Mathematics* and *Beyond Crossroads*. This new document reinforces the standards presented in the first two documents and demonstrates how AMATYC and its members can have an IMPACT on students, faculty, departments, institutions, states, and the nation.

Mathematical PROWESS stands on the four themes of PROficiency, OWnership, EngagemenT, and Student Success. Presentations on each of these four themes are planned for the AMATYC Annual Conference in San Diego. In an IMPACT classroom (1) the learning environment fosters active student engagement in mathematical thinking, encourages student creativity and risk-taking, and promotes a culture that values the diverse interests and backgrounds of students (proficiency); (2) the class activities guide and direct students

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AMATYC Foundation Dollars Available for Classroom Research

by Nancy Sattler, Foundation Chair

Have you been thinking of a small research project that you would like to do but lack the funds to move forward with your idea? Consider applying for a grant from the AMATYC Foundation. The Foundation invites individuals and organizations, working in the area of mathematics taught during the first two years of college, to submit proposals for funding. Proposals will be accepted throughout the year as long as funds are available. Preference will be given to applicants who are or have been members of AMATYC for at least one of the past five years.

Proposals will be evaluated for consistency with the mission of AMATYC and its strategic plan, perceived value, likelihood of completion, and availability and appropriateness of funding. The grant should provide professional development opportunities to faculty who teach mathematics in the first two years of college,

promote research on student learning in two-year colleges, promote the review and improvement of two-year college mathematics curricula, or build and promote communities of educators in lower division collegiate mathematics across departments and institutions. It should communicate the vision, core values, mission, and goals of AMATYC and promote awareness of the organization.

Why not apply? Go to www.amatyc.org/grants and apply today.



Anticipation

Jane Tanner

Onondaga CC • Syracuse, NY

No matter how long the winter, spring is sure to follow. ~Proverb

By the time you read this, the long winter will hopefully be behind us and spring will have sprung. Spring is a renewal, a rebirth, an awakening. There is hope to see fewer gray days and more sunny days, robins returning from their winter homes in the south, green grass and leaves reappearing.

In a way, spring always brings an excitement or anticipation of things to come. Carly Simon in her song "Anticipation" sang "We can never know about the days to come, But we think about them anyway, yay, ... Anticipation, anticipation, ..., Is keepin' me waitin'." (Or you may remember this from the Heinz jingle years ago.)

This is an exciting time for AMATYC! There are several things in the works that I am thinking about and am eagerly anticipating.

Remember our standards documents *Crossroads in Mathematics: Standards for Introductory College Mathematics Before Calculus* (1995) and *Beyond Crossroads: Implementing Mathematics Standards in the First Two Years of College* (2006)? A steering committee chaired by Mary Beth Orange and Nancy Sattler have been updating these documents with a new one aptly named *AMATYC IMPACT*. *IMPACT* is an acronym for **I**mproving **M**athematical **P**rowess **A**nd **C**ollege **T**eaching. The term prowess was chosen because the definition, "skill or expertise in a particular activity or field," fits the behavior AMATYC seeks to improve in students, faculty, and departments. This document will be submitted to the Delegate Assembly for approval at our conference in San Diego this November. Once it is approved it will be made available in multiple platforms. (More information on this can be found on page 1.) I am so excited!

One of the benefits of being an AMATYC member is the professional development opportunities that are available - annual conference, traveling workshops, and webinars, to name a few. AMATYC provides faculty with the curriculum and pedagogical and technical tools to ensure all students will have the mathematics they need to succeed in the 21st century. In February you received a link to participate in a survey concerning professional development. AMATYC is currently in conversation with a potential partner to create an online sustainable professional development curriculum, specifically for instructors who teach mathematics in the first two years of college. This curriculum will be aligned with the AMATYC Standards and the *AMATYC IMPACT* document. What a great way to have professional development brought to you at your computer desktop!

Since becoming AMATYC President, I have learned a lot about grants. The knowledge that John Pazdar and Dennis Ebersole, our past and current Grants Coordinators, have is incredible! Their enthusiasm is contagious as they eagerly look for funding sources as well as inspire others to develop their own grants. In fact, I have been working with a team on a grant opportunity at my college - something that I probably wouldn't have done without encouragement from John and Dennis. Recently the AMATYC Board received requests to provide significant AMATYC support for a number of grants. It seems to take an eternity to hear whether these great ideas are going to be funded. "Anticipation, anticipation, ..., Is keepin' me waitin'!" Hopefully there will be great news coming soon!

What are you doing November 9-12, 2017? I hope you are making plans to attend the 43rd Annual AMATYC Conference in San Diego on those dates. After all, California in November doesn't sound too bad, right? November seems to be so far away,

➤ **Continued on page 4**

Collaboration Corner

The mission of TODOS: Mathematics for ALL is to advocate for equity and excellence in mathematics education for ALL students - in particular, Latina/o students. As articulated in the mission and goals, TODOS advances educators' knowledge, develops and supports education leaders, generates and disseminates knowledge, informs the public, influences educational policies, and informs families about education poli-

cies and learning strategies. All of these goals ultimately result in providing access to high quality and rigorous mathematics for ALL students.

The 2016 TODOS conference focused on the following topics:

- Integrating Language, Literacy, and Culture in Mathematics
- Building on Student, Family, and Community Strengths
- Framing Mathematics Education

- through the Lens of Social Justice
 - Implementing Rigorous Mathematics Standards-Based Curriculum
 - Assessing Student Mathematical Thinking through Formative Assessment
 - Developing Leaders to Achieve Equity and Excellence in Mathematics
- Plans are underway for their 2018 conference. See their website www.todos-math.org/ for more information.

Spotlight on ACCESS

by Christy Hediger, Project ACCESS Coordinator

Project ACCESS is gearing up for another round of applications to be reviewed. If you or someone you know is in the first,



second, or third year of full time teaching mathematics in the first two years of college, consider applying. Application deadline is May 15, 2017. Check out the Project ACCESS website for more information: www.amatyc.org/ACCESS

Conference planning for San Diego is actively underway for both Cohort 13 (2016-2017) and Cohort 14 (2017-2018). Many activities and sessions geared towards engaging the cohorts are being organized. Cohort 13 will follow the tradition of participating in the Poster Session at the AMATYC Conference in San Diego.

You can contact anyone on the Project ACCESS team for more information. The coordinator is Christy Hediger, chediger@lccc.edu.

Meet the rest of the Project ACCESS Leadership for 2017-2019!

Program Assistant: Tammy Louie

The Program Assistant helps the Coordinator organize and create the program that the Fellows will attend during their two years as ACCESS fellows.

Tammy has spent the last twelve years teaching in beautiful rain-soaked Portland, OR, at Portland CC and been involved in AMATYC since being an ACCESS Fellow in 2011-2013. She earned a MST (Master's in Science and Teaching) from Portland State University and BS (Mathematics) from the University of Oregon. Professional interests include discovery-based student learning, encouraging positive study behaviors and increasing accessibility to a broad student population. Personal interests include surfing, yoga inversions, and cheering for the Oregon Ducks.

Project Assistant: Maureen Maikner

The Project Assistant organizes and keeps tabs on the project that the Fellows must complete in between their first and second years as Fellows.

Maureen Maikner has worked at Lehigh Carbon CC for five years, three years full time and two years adjunct. Her focus is developmental, statistics, and pre-service education. When not teaching, she enjoys competing in swimming, running, coaching a swim team, and writing.

Fellow Selection Committee Members: Matthew Prugel and Amber Rust

The Fellow Selection Committee looks over the Project ACCESS applications and helps make the decision of who should be accepted.

Matthew is the Chair of the Mathematics and Computer Science Department at Harrisburg Area Community College (HACC), Central Pennsylvania's CC. He is a past-president of the Pennsylvania State Mathematics Association of Two-Year Colleges as well as a Project ACCESS Cohort 9 fellow.

Amber earned a MS in Actuarial Science from the University of Nebraska-Lincoln. She earned a PhD in Curriculum and Instruction for Mathematics Education at the University of Maryland-College Park on a Mid-Atlantic Center for Mathematics Teaching and Learning fellowship. Once she finished her PhD program she accepted a position with Anne Arundel CC in Arnold, MD. She actively blends reading strategies into her lessons and for assessment purposes. Her research interests are reading and literacy issues in mathematics.

Make Sure Your Voice Is Heard

by Nancy Sattler, Past President

AMATYC elections will be held this fall. Only individual, regular members may vote in this upcoming election. Institutional contacts are not voting members of AMATYC unless they are also individual, regular members of AMATYC. Therefore, institutional contacts, adjunct, retired, and student members interested in supporting colleagues in this upcoming election should join as individual, regular members no later than June 30, 2017.

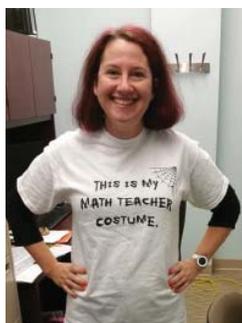
Go to the AMATYC database and confirm your personal contact information, especially your email address, as soon as possible. Electronic voting will be used again for the election being held in the fall of 2017. It is essential that email addresses for all individual, regular members (full benefits) are correct in order to participate. Please confirm your email address today! Report any problems to Beverly Vance at bvance@amatyc.org.

The Leila and Simon Peskoff Award

Graduates of AMATYC's Project ACCESS, here is an opportunity for you! The Leila and Simon Peskoff Award, made possible through a contribution to the AMATYC Foundation by Fred Peskoff, in memory of his parents, is given annually to an AMATYC Project ACCESS fellow graduate who has contributed to the education profession in the area of the mathematics taught during the first two years of college. The award consists of a lifetime membership in AMATYC. Last year was the first year for the award and it was given to Michael Pemberton of Lansing CC (MI).

The Peskoff Award is given to an individual who has successfully completed the two-year Project ACCESS program, demonstrated familiarity with the scholarship of teaching; participated actively in professional communities, demonstrated a commitment to continued growth in mathematics, and maintained membership in AMATYC for at least one of the past three years. If you are interested in nominating a Project ACCESS graduate or wish to self-nominate, see www.amatyc.org/PeskoffAward for further information. Nominations for the award are due by May 1 to the chair of the foundation (amatycfoundation@amatyc.org).

New AMATYC Historian



Lisa Feinman is an assistant professor at the CC of Baltimore County in Catonsville, MD. She has been there full time since 2011 and focuses her teaching on developmental and finite mathematics. In addition, she is a member of the College Senate and the President-Elect of MMATYC. She earned her MA in Mathematics from the University of Houston and completed her undergraduate studies at the University of Miami (Go 'Canes!). When she is not working, Lisa

enjoys reading and baking, along with animal rescue. She is excited about this new undertaking as the Historian for AMATYC.

Professional Development Update

by Julie Gunkelman, Coordinator

The 2017 Webinar Series, supported by McGraw Hill, began the year with a webinar “21 Ways to Boost an Adjunct” with Michele Kelly. AMATYC has hosted several webinars already in 2017. All webinars and shared materials are archived on the AMATYC website.

The AMATYC Traveling Workshop Grants that were awarded in the summer of 2016 have funded several Traveling Workshops that have taken place around the country. As part of the grant process, all traveling workshop directors will be sharing their experiences from the workshops in the *AMATYC News*. Don't miss David Redman's article in this issue.

MAA Opportunity for Two-Year College Faculty

Two-year college faculty – the Mathematical Association of America (MAA) needs your voice. Consider nominating yourself or a colleague to serve on an MAA committee. Committees work on the mathematics curriculum and instruction, increasing participation in mathematics, policy and outreach to K-12, publications, professional development and meetings, and awards for service and writing in mathematics. A list of the Councils, their committees, and the committee charges can be found at <https://tinyurl.com/MAAcmtes>.

You can nominate someone for a particular committee, or scroll down to select “Any committee on Council ___” at the end here: <http://tinyurl.com/MAAnominatecmt>.

Nominations are accepted year round and should include a brief description of how the nominee's experience or interests aligns with the committee's charge. Committee members must be members of the MAA, which comes with many benefits described here: <http://tinyurl.com/MAAjoin>.

Don't Put It Off, Nominate a Colleague Today for the 2018 Mathematics Excellence Award!

Every two years, AMATYC honors a mathematician or mathematics educator who has made outstanding contributions to mathematics in the first two years of college. Nominations are now open for the 2018, Mathematics Excellence (ME) Award which will be presented in November 2018 in Orlando. The deadline for submitting a nomination is November 1, 2017. Before the academic year comes to a close, consider nominating a colleague for this prestigious award.

The Mathematics Excellence Award Committee members were elected at regional meetings at the 2016 annual conference. You may contact one of them for more information or visit www.amatyc.org/MathExcellenceAward for more information including the criteria for the award.

Members of the ME Committee are as follows:

Nancy Sattler (nsattler@terra.edu), chair
Debora Rimkus (deborazrimkus@gmail.com), Northeast
Lisa Feinman (LFeinman@ccbcmd.edu), Mid-Atlantic
Julie Phelps (jphelps@valenciacollege.edu), Southeast
Kinga Oliver (kinga.oliver@sinclair.edu), Midwest
Zina Stilman (zina.stilman@ccd.edu), Central
Jennifer Travis (Jennifer.travis@lonestar.edu), Southwest
Valerie Harris (vharris@cw.edu), Northwest
Tooraj Gordi (tgordi@avc.edu), West

➤ *Anticipation, Cont'd from page 2*

but six months will pass quickly. As we wait for November to come, President-Elect Jim Ham is busy overseeing AMATYC's 2018-2023 Strategic Plan, Mathematics and its Applications for Careers Committee Chair Stefan Baratto is working on a position statement on “Mathematics for Students in Two-Year Terminal Programs,” and excitement is building for the symposium, to be held in San Diego, on the Scholarship of Teaching and Learning, sponsored by the Research in Mathematics Education for Two-Year Colleges Committee. More waiting. More anticipation. But, it will be well worth the wait. I hope to see you in San Diego!

As you can see, there is a lot going on within AMATYC and these are just the tip of the iceberg. “Anticipation... is keepin' me waitin'.”

Christina Rossetti, an English poet, wrote “spring is when life's alive in everything.” This spring AMATYC is alive in everything!

Register Early for San Diego!

by Keven Dockter, Conference Coordinator

Are you looking forward to the next AMATYC Conference? The early signs indicate the conference will have a very large attendance! Will you be there? Make plans now to attend the AMATYC Conference in San Diego, CA, November 9-12, 2017. If you or your college has professional development funds in your current fiscal year budget that can be used for your registration fee, we have an offer for you. To pay your registration fees from your current budget, please email Beverly Vance at amatyc@amatyc.org and put "Conference Registration Now" in the subject line. Beverly will send you the necessary information so that you can pay for your conference registration NOW!

The miniprogram that will be received in August will include many details of the conference. Until then, information will continue to be added online at www.amatyc.org/2017ConfHome and on AMATYC's Facebook page.

Again, it appears AMATYC will sell out its room block at the conference hotel and the overflow hotel. You can reduce your costs, and stay at the conference hotel, by sharing your hotel room for the AMATYC Conference. Ask a colleague to be your roommate or send an email to Sarah Miller, AMATYC's Roommate Network Director, at smiller10@ccbcmd.edu and ask her to help pair you with another conference attendee to share a room. Your email should include your name, gender, email address, telephone number, arrival date, and departure date. While AMATYC does not guarantee a roommate pairing, this process has been successful in the past.

We look forward to seeing you this fall in San Diego and hope you are ready for a Prime Time!

Prime Time's A-Comin'

by Judy Williams, Program Coordinator

When you participate in an AMATYC annual conference, you have high expectations. The Program Committee is at work to make sure those expectations are met November 9-12, 2017, in San Diego, with the committee selecting 175 of the 325 proposals submitted this year.

As this article is being written, committee members are using our knowledge of permutations and combinations, along with a little bit of luck, to place those 175 presentations in just the right places to avoid competing topics at the same hour while honoring equipment requests and other parameters. Look for new information on how to use Open Educational Resources (OER), accelerating student pathways with corequisite courses and multiple measures for placement, improving instruction for non-STEM students through Quantitative Reasoning, implementing the new Guidelines for Assessment and Instruction in Statistical Education (GAISE), and demonstrations of the latest in technology for the classroom, both virtual and face to face. Also keep your eyes open to see ways to relate to millennials, use of mathematics through the ages, learning through productive struggle, and numerous other tips shared by your peers from across the country and around the world.

How many new ideas can you take home to your classroom on Monday, November 13, 2017? 2, 3, 5, 7, 11, ???

➤ San Diego, Cont'd from page 1

to offer. There are shopping opportunities, plenty of eateries, and harbor cruises just to name a few things.

Now on to our San Diego history lesson...

Juan Rodriguez Cabrillo, a Portuguese explorer, sailed into what is now known as San Diego Bay in 1542 and claimed the area for the King of Spain. There are

21 missions in California with the first being Mission Basilica San Diego de Alcalá founded by the Franciscan fathers. This mission overlooked the bay and was close to a Native American village. Although the first mission was burned down, it was rebuilt and is a great place to visit for history buffs. There is even Mass every Sunday.



Balboa Park California Tower
(Courtesy of Museum of Man)



Old Town Bazaar del Mundo
(Courtesy of Joanne DiBona, www.sandiego.org)

A small, thriving trading village, known today as Old Town, developed by the 1830s. The famous cobblestone streets of Boston are said to have been paved with stone from San Diego. San Diego was fought over

and changed hands numerous times until 1846 when it was permanently established as a part of the United States. You can visit Old Town and see many of the historic buildings from this time.

We look forward to welcoming you to this beautiful city. For more information please visit www.sandiego.org/meeting-planners/syisd/amatyc.aspx.



Kiss Statue (Courtesy of Midway Museum)

Conference Coordinator Wanted

by Wanda Garner, Executive Director

AMATYC is searching for a conference coordinator to succeed our current coordinator at the end of his term.

The conference coordinator oversees and manages all aspects of the annual conference, and serves as chair of the conference committee, composed of individuals responsible for the program, exhibits, advertising, publications, and local arrangements. The conference coordinator is the budget manager for all conference expenses.

This position requires a significant time commitment. It requires year-round work, often many hours per week. Extended travel time is also required to participate in Executive Board meetings and, with the assistance of a professional conference planning organization, to conduct visits to potential, current, and future conference sites. Contract negotiation and monitoring is also required related to hotels, convention centers, audio visual and exhibitor companies.

The successful candidate must have excellent organizational skills including attention to details, written and verbal communication skills, budget management skills, and the ability to work collegially with leaders within the organization and within the hotel and conference industries. Significant conference planning experience and knowledge of AMATYC is required.

This is a supported position. The initial appointment is for a term of five years, with a second term possible. Although the term does not begin until January 1, 2019, AMATYC hopes to identify the successful candidate during 2017 to allow for a full year of training with the current conference coordinator.

Interested candidates should submit a vita, letter of support from a supervisor, and a personal letter describing their qualifications and experience related to this position. A detailed list of duties is available online at the AMATYC website or from the search committee chair, Wanda Garner. Candidates should email all materials to wgarner@amatyc.org no later than July 15, 2017.

Poster Session in San Diego

by Honey Kirk, Assistant Conference Coordinator

The popular AMATYC Poster Session will be held on Friday afternoon, November 10, 2017, at the 43rd Annual AMATYC Conference. This is the perfect opportunity to share your innovative and practical ideas with colleagues.

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

Who can submit a proposal? Everyone is encouraged to submit a proposal. Project ACCESS Fellows displaying the results of their required project will be given preference as will those who are not already presenting a session or workshop.

How do I submit a proposal? Poster session proposals will be accepted online through the AMATYC website until May 1st.

When will I know if my proposal is accepted? You will receive an email in early June.

What do I need to do in San Diego? Posters will be on display beginning Friday morning, with presenters available for discussions from 1:45-3:45 pm. When you check in at the conference, AMATYC will provide you a tri-fold poster board and mounting supplies. On Friday morning you will be assigned a space for set-up and then you will return for the 1:45-3:45 pm time period. You are welcome to bring hand-outs to share with colleagues. No AV support or electronic outlets are available for this session.

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

Grants Update

by Dennis C. Ebersole, Coordinator

Three individuals from the National Science Foundation (NSF) have offered to talk to San Diego conference attendees about NSF grant programs of interest to two-year college mathematics instructors. The NSF representatives would like to see more proposals from community colleges and will be available to answer general questions during the session or arrange time to discuss potential proposals during the conference. One of the programs they will discuss is the S-STEM program which has the goal of increasing participation (especially among under-represented populations) in STEM careers. This program offers a way around the Catch 22 of grants – you cannot get a grant unless you have already had a grant. You are much more likely to get an S-STEM grant than any of the other NSF grant programs for which you might apply. Feel free to contact Dennis Ebersole at Debersole@Northampton.edu with questions.

Here is the second installment of the Grant Tip series: The focus of your grant should be something you are passionate about. It takes time and perseverance to develop a successful proposal; passion will carry you through to the end product.

Chat & Chew in San Diego

by Judy Williams, Program Coordinator and
Darlene Winnington, Presider Chair



Bring your coffee to Grande A Ballroom in the Sheraton San Diego Hotel & Marina at 8:00 am on Thursday, November 9. Then enjoy a complimentary pastry from the AMATYC Corporate Partners, Hawkes Learning and McGraw-Hill Education, while participating in the inaugural table talk session.

Choose a topic and join the facilitator at that table for an exciting 15 minutes.

When the bell rings, move to another table with a different topic. You will have time for three different topics, such as “Help with the Guidebook App,” “Developing an Anxiety-Free Attitude,” and “Engaging College Algebra Students Using STEM Labs” to highlight just a few. Look for the list of topics and facilitators in the conference miniprogram when it arrives in August.

Placement and Assessment Committee: Request for Articles

by Behnaz Rouhani, Chair

The Placement and Assessment Committee (PAC) is here to serve the AMATYC membership on issues related to placement and assessment of student outcomes and mathematical programs. Moreover, it intends to promote opportunities for educators to gain a deep understanding of best practices in placement and assessment.

What tools does your institution use for Placement? Are these homegrown tools? Any successes or failures? What does assessment really mean? Could it be used for learning between and among students? If so, how? What unique assessment practices do you employ in your classes? Have you performed any research studies on the use of any forms of assessments? What is the role of feedback in formative and summative assessments? Is your institution involved with course assessment? If so, what is the process and how often is it performed? Are all courses assessed at your institution? You can pick any of these topics and write couple of short paragraphs, and send to brouhani@gsu.edu for inclusion in a future edition of the *AMATYC News*. Your input is valued and PAC looks forward to hearing from you.

The position statement on “Academic Assessment of Mathematical Programs” is up for review. Please take a few moments to visit this document and share your input as you see fit. A Google Doc can be accessed from the AMATYC website, then Groups > Committees > Placement/Assessment. Next, click on Group Pages > Google Doc.

Committee participation is open to all AMATYC members. To learn more about the Placement and Assessment Committee or to be involved throughout the year, email Behnaz Rouhani, brouhani@gsu.edu.

StatPREP Summer Workshops

by Kathryn Kozak, Southwest VP

It is not too late to apply for one of the two StatPREP workshops this summer. One will be held at the College of the Canyons in Santa Clarita, CA, on June 9-10, 2017. The other will be at St. Catherine University, Minneapolis, MN, on June 23-24, 2017. Applications to participate at the CA workshop are due April 24th. Applications for the MN workshop are due May 1st. Applications can be filled out online at statprep.org/ and then click on *Join Us* and *Apply to Participate in a StatPREP Workshop*.

There is no fee for attending the workshops. All registration materials, plus breakfast and lunch during the workshop, are included. In addition, there is a \$100 stipend available to help cover travel expenses for workshop participants.

The goal of the NSF-funded StatPREP Project is to train introductory statistics teachers how to navigate the world of “big data” and adopt modern data-centric practices into their existing courses. The five-year grant is a collaborative effort between the the Mathematical Association of America (MAA), AMATYC, and the American Statistical Association (ASA). If you are interested in being a host institution for one of the 2018 summer StatPREP Workshops, visit the website <http://statprep.org/> and click on *Join Us* and *Institution/Hub* or click on *Workshops/Hub* and then *Apply to be a regional StatPREP Hub*.



AMATYC CALENDAR OF EVENTS

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

May 19, 2017: DelMATYC Conference, Delaware Technical CC-Wilmington Campus, Wilmington, DE. Contact: Megan Wagaman, mwagaman@dtcc.edu

May 24-26, 2017: OCMA Conference/Math Wars, Fern Resort in Orillia, ON. Contact: Wendi Morrison Website: <http://theocma.org/>

June 1-2, 2017: MMATYC Annual Conference, CC of Baltimore County, Owings Mills, MD. Website: www.mmatyc.org

September 30, 2017: 2017 LaMsMATYC Annual Conference, Pearl River CC-Forrest County Center, Hattisburg, MS. Website: <http://lamsmatyc.wixsite.com/home>

October 7, 2017: 24th Annual WisMATYC Conference, Blackhawk Technical College, Janesville, WI. Website: <http://wis.matyc.org>

October 20-21, 2017: MichMATYC Annual Conference, Baker College, Muskegon, MI. Contact: David Tannor, davetannor@gmail.com. Website: <https://sites.google.com/view/2017-michmatyc-conference/home>

November 9-12, 2017: 43rd Annual AMATYC Conference, San Diego, CA. Contact: AMATYC Office, amatyc@amatyc.org. Website: www.amatyc.org

December 8-9, 2017: CMC³ 45th Annual Fall Conference, Hyatt Regency Monterey Hotel and Spa, Monterey, CA. Contact: Mark Harbison, mark.harbison@losrios.edu. Website: www.cmc3.org

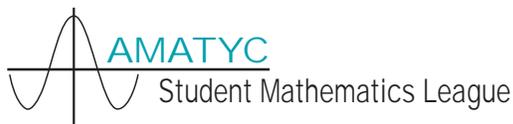
November 15-18, 2018: 44th Annual AMATYC Conference, Orlando, FL. Contact: AMATYC Office, amatyc@amatyc.org

A form is available at www.amatyc.org/AffiliateConferences to update or add affiliate conference information.

Student Mathematics League

by Steve Hundert, Coordinator

In the fall semester we had around 6,300 students from 168 schools participate in the AMATYC Student Mathematics League competi-



tion. If your college didn't participate this year, please consider forming a team and joining the league for the 2017/2018 academic year. Here are some of the results for 2016/2017 round 1. Results from round 2 are not yet available.

Top Teams in the Nation

1. West Valley College (CA)	156.5 points
2. East Los Angeles College (CA)	139.0 points
3. Bellevue College (WA)	134.5 points
4. Pasadena City College (CA)	127.0 points
5. Laney College (CA)	120.0 points
(tie) Brookdale CC (NJ)	120.0 points
7. Las Positas College (CA)	119.5 points
8. Mt San Antonio College (CA)	118.5 points
9. Santa Monica College (CA)	117.5 points
10. Los Angeles City College (CA)	116.0 points

Top Team in the Region

Northeast	Suffolk County CC (NY)
Mid-Atlantic	Brookdale CC (NJ)
Southeast	State College of Florida (FL)
Midwest	College of DuPage (IL)
Central	Normandale CC (MN)
Northwest	Bellevue College (WA)
Southwest	Austin CC (TX)
West	West Valley College (CA)

Top Individuals

1. Jessica Zheng	West Valley College (CA)	36.0 points
2. (tie) Isaac Hellerman	Howard CC MD (MA)	33.5 points
Ajay Arora	Schoolcraft College (MI)	33.5 points
Alex Denenberg	Bellevue College (WA)	33.5 points
5. (tie) Yaohui Lu	Las Positas College (CA)	32.0 points
Shuai Xue	College of San Mateo (CA)	32.0 points
7. (tie) Maciej Wlodek	Suffolk County CC (NY)	31.5 points
Yueyun Chen	East Los Angeles College (CA)	31.5 points
Brzycki Brendan	Los Angeles City College (CA)	31.5 points
10. (tie) Jared Kittleson	Corning CC (NY)	31.0 points
Nicholas Guo	West Valley College (CA)	31.0 points
Seung Jo Yoo	Fullerton College (CA)	31.0 points
Eva Quittman	Montgomery College (MD)	31.0 points
Diwakaran Ilangovan	Montgomery College (MD)	31.0 points

Transitioning Learners to Calculus Survey

by Rob Farinelli

In mid-February, current chairs of two-year college mathematics departments received an email invitation to complete a survey for an NSF-funded project Transitioning Learners to Calculus in Community Colleges (TLC³). The survey should take less than 30 minutes to complete and includes questions about your current courses, support structures, and instruction in courses that STEM-interested students take as they transition to calculus. Two-year colleges are key to helping the nation meet its goals of increased math and science degree attainment. AMATYC supports the work and aims of the TLC³ grant and we ask that you please take the time to complete this important survey. Please address any questions about the survey to Helen Burn (hburn@highline.edu).

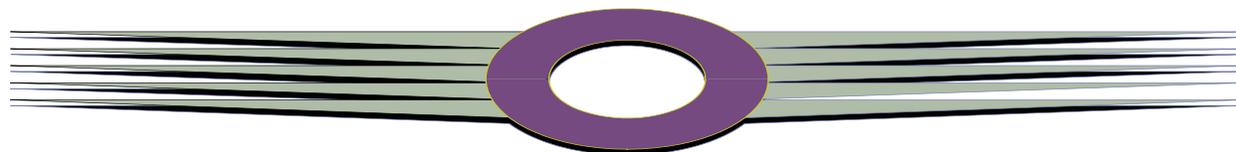
The **AMATYC News** is the official newsletter of the American Mathematical Association of Two-Year Colleges and is published four times per year in January, April, August, and October. Your articles, announcements, comments, and letters to the Editor are welcome. Submit all materials by November 25, February 25, June 1, and August 15 for the respective issues.

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Statistics Committee

by Julie Hanson, Chair

The AMATYC/ASA Joint Committee (AMATYC's Joint Committee with the American Statistical Association) sponsors a series of webinars related to teaching statistics. In February, Lara Cleveland presented a webinar titled "IPUMS Data: Real-World Data for Teaching." Webinar participants learned how to acquire data from the Integrated Public Use Microdata Series (IPUMS) for use in teaching basic statistical concepts. After the webinar, some participants formed a Faculty Learning Community (FLC) to work on creating classroom materials that use IPUMS data. The recording of this webinar, as well as other previous webinars, is available at www.amatyc.org/Webinars.

In early summer, the AMATYC/ASA Joint Committee will sponsor a webinar titled "Teaching with GAISE: Statistical Literacy for the 21st Century." This webinar will include a panel of community college faculty members who talk about making changes to an introductory statistics course that are consistent with the 2016 GAISE (Guidelines for Assessment and Instruction in Statistics Education) College Report. The 2016 GAISE College Report is available at www.amstat.org/asa/files/pdfs/GAISE/GaiseCollege_Full.pdf. Registration for this webinar, as well as other upcoming webinars, will be available on AMATYC's website at www.amatyc.org.

In collaboration with the AMATYC/ASA Joint Committee, the AMATYC Statistics Committee maintains a webpage of information for statistics teachers. On the webpage you'll find links to classroom resources, pedagogy and course content, recordings of previous webinars, and more. A link to it is located on the main page of the AMATYC website under the "Quick Links to Popular AMATYC pages" heading. It is located at www.amatyc.org/StatsResources

If you teach statistics, please consider joining the AMATYC Statistics Committee. To join or to learn more about the committee, please contact Julie Hanson at julie.hanson@clinton.edu.

Leaders: Division/Department Leadership ANet Is Right for You

By Christine Mirbaha, Leader

Are you in a leadership role at your college? Have you considered taking on the responsibility of leading your department or division? If you answered yes to either of these questions, then Division/Department Leadership is the ANet for you. This network consists of colleagues from around the country and beyond who are or have been in leadership roles at their college. It is a valuable resource, providing information and support that those in leadership positions need.

One way that AMATYC supports its members is through timely and relevant position statements. The Division/Department Leadership ANet recently worked on two such papers - "Equal Opportunity in Mathematics" and "Guidelines for Dual Enrollment in Mathematics." We are now poised to work on the "Resolution Regarding Textbooks" and "Support for Professional Development" before moving on to revisiting the "Guidelines for Mathematics at Two-Year Colleges."

We need you -- your experience and your ideas - to strengthen the Division/Department Leadership ANet and help members move forward as leaders in our departments, divisions, and colleges. Everyone is welcome! Some ideas that are being explored include holding focused webinars; publishing relevant articles in AMATYC's publications; and presenting sessions on leadership topics at local, regional, and national AMATYC and other relevant conferences.

Every AMATYC member is welcome to join! Follow this link to become a member of this ANet: www.amatyc.org/AMATYCCcommittees.

Adjunct Faculty

Issues ANet

by Judy King, Leader

The Adjunct Faculty Issues (AFI) ANet met twice in Denver at AMATYC's 42nd Annual Conference and once in conjunction with the other three ANets (International Education, Math for Liberal Arts, and Division and Department Leadership.) At one session the position paper, "Working Conditions for Adjunct Faculty," was finalized, ready now to be sent to the Board as a part of the approval process. In another session, adjuncts and those with interests in issues relating to adjuncts, shared problems, and possible solutions. Discussion centered on ways to acknowledge and reward the work of adjuncts in this time of tight budgets. In the joint ANet session, leaders of each ANet introduced AMATYC members to the ANets, describing what each groups' focus is and how information can best be shared with AMATYC members.

Responding to a question from an adjunct, a request was submitted to the Board during the delegate assembly's new business portion of the meeting to consider a reduced conference registration fee for adjuncts. In January, AFI ANet members presented many reasons to the Board to support the request. Another suggestion is that there might be two registration fees, one for adjuncts who just want to attend, and another for adjuncts who want to become involved in the workings of AMATYC.

In January, AFI ANet sponsored the webinar "21 Ways to Boost an Adjunct," available now on AMATYC's website and also on YouTube.

Via email, AFI ANet members are in the process of prioritizing topics for discussion when AMATYC meets in San Diego next November. Also up for discussion is how those topics can best be addressed and shared: participating in the poster session; writing articles for AMATYC's publications; sponsoring, hosting, or creating another webinar; or hosting a sharing session at the 43rd Annual AMATYC Conference. AFI ANet welcomes AMATYC member participation at www.AMATYC.org/AMATYCCcommittees.

RMETYC: Building on Our Momentum

by John Smith, Chair

The Denver conference was an exciting time for the Research in Mathematics Education for Two-Year Colleges (RMETYC). Attendance at the Friday afternoon committee meeting was the highest since the inception of RMETYC in 2008. We were pleased to host NSF representatives Ron Buckmire and TJ Murphy, who held a question and answer session on the pursuit of grant funding. Several members discussed and answered questions regarding ongoing projects. Congratulations were in order for Co-PIs, Vilma Mesa, University of Michigan; Irene Duranczyk, University of Minnesota; April Ström, Scottsdale CC; and Laura Watkins, Glendale CC, on the announcement that their multi-state grant project titled *Algebra Instruction at Community Colleges: An Exploration of its Relationship with Student Success*, had been approved by the NSF. Thanks to the hard work of Ann Sitomer of Oregon State and Megan Breit-Goodwin of Anoka Ramsey CC, we were able to announce the AMATYC Executive Board support for the AMATYC Research Associate grant proposal. Also, our first Scholarship of Teaching and Learning (SoTL) Symposium will be held during the AMATYC Conference in San Diego. Watch for coming announcements regarding this symposium.

For the second year in a row, we had a great turnout for our Research Session keynote talk given by Rebecca Cox of Simon Fraser University. Rebecca is the author of *The College Fear Factor: How students and professors misunderstand one another*. The research session then moved into breakout sessions discussing ongoing research projects. From these talks, three research articles are under consideration by peer-reviewed publications. RMETYC is currently accepting proposals for the breakout sessions for our 2017 San Diego Research Session. Please contact John Smith at jtsmith2@pstcc.edu for more information.

The latest edition of the *MathAMATYC Educator* contains a new regular feature called *In the Spotlight*, which highlights RMETYC members and their research. Keith Nabb, formerly of Moraine Valley CC, Palos Hills, IL, currently an assistant professor of mathematics at the University of Wisconsin, River Falls was featured for this first release. This exciting project has been the brainchild of Megan Breit-Goodwin of Anoka-Ramsey CC. We appreciate her work in making this feature a reality.

It has been exciting to experience the increasing momentum surrounding the work of the research committee. Our goal in 2017 and beyond is to continue to build upon that momentum. We invite you to become a member of our vibrant community of researchers and practitioners. To learn more about RMETYC please visit us at the AMATYC website, www.amatyc.org or our blog at RMETYC.blogspot.com. To join in the work of RMETYC, please email John Smith at jtsmith2@pstcc.edu.

Innovative Teaching and Learning Committee

by Dan Petrak, Chair

The Innovative Teaching and Learning Committee continues to use ITLC Google Group to improve communication and collaboration. If you have not requested to join, please do so by going to the ITLC link on the AMATYC webpage or by going directly to <https://groups.google.com/d/forum/amatyc-itlc> and request to be added. All AMATYC members are welcome and encouraged to join in this online community. We have many ongoing discussions involving a wide range of topics. It also provides the opportunity for faculty to share best practices in teaching online, pathways curriculum, open educational resources, and a multitude of topics relevant to all community college math faculty. If you have an idea or question, this is a great group to seek out to learn more. Think of us as part of your personal learning network (PLN).

The ITLC is currently making major revisions to the position statement on distance education. A subcommittee has been meeting weekly via Google Hangout to create a new statement. These documents are posted on the ITLC Google Group page and you are invited to view and comment on them there.

It is not too early to begin thinking about the AMATYC Annual Conference in San Diego this fall. The ITLC will again have an Ignite Session on Friday night of the conference and will be soliciting for presenters from committee members and the membership at large. This is always a lively event based on five-minute presentations with slides automatically advancing every 15 seconds. Look for postings and information about this on the ITLC Google Group message board this summer and fall. Contact Dan with any questions or ideas for the committee.

Developmental Mathematics Committee

by Paula Wilhite, Chair

The Developmental Mathematics Committee (DMC) and the Innovative Teaching and Learning Committee (ITLC) recently sponsored a webinar, "Incorporating Discovery into Developmental Mathematics," on April 19. This webinar presented ways to use online homework combined with YouTube videos to facilitate a deeper understanding of mathematical concepts through discovery of the concept. Presented by George Woodbury, this webinar is an excellent professional development activity for flipped classroom strategies. For more information about webinars, or to view this webinar, go to www.amatyc.org/Webinars.

In other news, the DMC is in the process of writing the second drafts of the two position statements, 1) "Addressing Factors Critical to Student Success" and 2) "The Science of Learning," that were proposed in 2015 at the DMC annual meeting in New Orleans. The second drafts will include many of the suggested changes that were made by DMC members at the 2016 annual meeting in Denver. When the second drafts are completed, DMC members will have another opportunity to post comments on the DMC website.

Highlights of the AMATYC Conference Call

by Michelle Duda, AMATYC Secretary

The AMATYC Executive Board held a conference call on December 14, 2016. Highlights of the meeting included:

- The Board approved the concept of working with a publisher to create professional development online modules which support AMATYC's standards. A task force was established to oversee this project.
- The following appointments were approved, pending membership verification:
 - ♦ **Lisa Feinman** as AMATYC Historian effective January 1, 2017, through December 31, 2021
 - ♦ Project ACCESS Team members effective January 1, 2017, through December 31, 2019: **Tammy Louie** as Program Assistant, **Maureen Maikner** as Project Assistant, **Thomas Sundquist** as Listserv Assistant, **Amber Rust** and **Matthew Prugel** as Fellow Selection Committee Members

Full minutes of the meeting may be found on the AMATYC website: www.amatyc.org/BoardMinutesMotions.

➤ **AMATYC IMPACT, Cont'd from page 1** to assume responsibility for their own learning (ownership); (3) effective teaching and learning of mathematics flourishes in a student-centered environment (engagement); and (4) students understand mathematical concepts, are proficient with computational and algebraic procedures, and can apply various problem-solving strategies in solving both routine and nonroutine problems (student success).

Members of the 2017 AMATYC Delegate Assembly will have an opportunity to approve the AMATYC IMPACT document. *Crossroads in Mathematics* and *Beyond Crossroads* can be found in their entirety on the AMATYC website under the Publications tab.

AMATYC Sponsors Traveling Workshop at MichMATYC Fall Conference

by David Redman

Thanks to an AMATYC Traveling Workshop Grant, the 2016 MichMATYC Fall Conference was blessed with an excellent professional development session in the form of an Inquiry-Based Learning (IBL) workshop led by Brian Jennings of Westfield State University (Westfield, MA).

Jennings led roughly 30 secondary, two-year, and four-year college faculty participants through the hands-on curriculum of the "Discovering the Art of Mathematics" workshop outlined on the AMATYC website at www.amatyc.org/TWInquiryBased. The workshop focused on the inquiry-based learning guides of "Patterns" and "The Infinite" developed by the NSF-sponsored "Discovering the Art of Mathematics" project. The workshop modeled the techniques that the presenter expounded on, with the participants working in small groups on exercises and activities that engage learners to discover mathematics that would be presented in a typical secondary or college classroom. Issues discussed were the balance between presentation and discovery in the classroom and tips for structuring the classroom to maximize the use of discovery time.

Participants commented that the workshop gave them ideas for preparing inquiry-based learning activities, and that they appreciated "the books and websites suggested for more information." Participants strongly agreed that the workshop was hands-on and they appreciated the presenter practicing what he was preaching. They also agreed that the inquiry-based learning techniques could be applied across the board in high school courses, developmental courses, and college-level courses.

MichMATYC Fall Conference Chair Mary Roberson and Delta College Mathematics Division Chair David Redman wish to express their thanks to Brian Jennings for his presentation and to AMATYC for making this professional development possible with their generous grant. An AMATYC Traveling Workshop would be a wonderful addition to any local or affiliate meeting.

Future AMATYC Conferences

2017	San Diego, CA	November 9-12
2018	Orlando, FL	November 15-18
2019	Milwaukee, WI	November 14-17
2020	Spokane, WA	November 12-15
2021	Phoenix, AZ	November 4-7
2022	Toronto, Canada	November 17-20

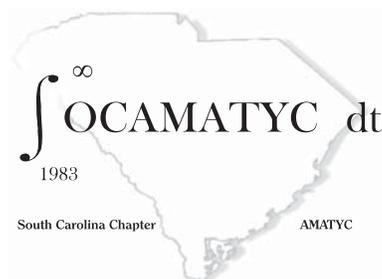
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Focus on Affiliates: SOCAMATYC

by Frank Monterisi, SOCAMATYC Past President



A decade ago, the South Carolina Mathematical Association of Two-Year Colleges (SOCAMATYC) held their conferences in Columbia, SC, because it was the convenient geographical place in the state. The conferences had fewer

than 20 people in attendance and meals were a luxury. Flash forward to 2017. Conferences are now regularly attended by over 50 people and have been held at multiple campuses across the state. Under the leadership of Willie Bryant and Frank Monterisi the growth of SOCAMATYC can be summed up with one word, 'dedication.'

The website was updated and maintained, but the growth can be attributed to the executive board connecting with all of the faculty across the state. At the beginning of each semester, a directory is created by spanning the websites of the community and technical colleges across the state, and marketing emails are sent out promoting the organization and the conferences. Over that time span, more and more people began to realize how valuable a resource SOCAMATYC was, especially in providing faculty with a local opportunity to come together and share

ideas and best practices. Along with the support of commercial representatives, SOCAMATYC is now a strong affiliate!

The 2017 Conference, held at the Newberry, SC campus of Piedmont Technical College spanned two days with Friday night featuring a traveling workshop funded by a grant from AMATYC, and Saturday featuring traditional professional development sessions. This conference marked the end of the four-year tenure of Frank Monterisi as President, with the Vice-President, Hala Nestberg from Greenville Tech, being elected as President. What is so heartwarming is the fact that three of the outgoing officers decided to stay on as executive board members.

So what can be done with your affiliate? Whether you have 16 Community and Technical Colleges like South Carolina, or over 50, it is important to connect with the people who matter, and that is the faculty in your state(s). Ask them what they want, and get everyone involved. The reason that SOCAMATYC has grown so much is that every step of the way, the faculty have had an input on the direction of the organization, and the organization has responded. With the help of AMATYC, SOCAMATYC has been able to send many people to the national conference, as well as bring professional development to the affiliate meetings. The sky is the limit. As Emma Watson stated, "don't let the fear of failure stop you from doing what you really care about."

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