



2009 Conference Program Highlights

AMATYC has “High Expectations” for this year’s annual conference slated for November 12-15, 2009, in Las Vegas, Nevada. We hope you do too and are planning to join your two-year college mathematics colleagues for 3½ fast-paced days filled with sessions and workshops designed to meet your professional development needs.



Thursday’s opening session address by Philip “Uri” Treisman, founder and Executive Director of the Charles A. Dana Center, will update us on the powerful advances that have been made in our core understanding of how and why people learn. Prof. Treisman’s address, “On Behalf of Our Students: Building a New Science of Instruction,” will challenge us to examine our own courses as he applies the most recent developments in learning theory to past and potential reforms of introductory mathematics and statistics. On Saturday, following the annual awards breakfast, Deborah Nolan, Professor of Statistics at the University of California, Berkeley, will show us how the world is both surprising and surprisingly predictable in her address, “What a Coincidence!”

Additional conference events highlighted this year include:

- ❖ “New Life for Developmental Mathematics” presented as a two-part symposium by Rosemary M. Karr, past president of the National Association for Developmental Education, and Jack Rotman, chair of AMATYC’s Developmental Mathematics Committee;
- ❖ “The Probabilities of Basic Sports Wagering” by invited speakers Ronald Yates and Patrick Villa;
- ❖ “Mathamagic” by invited speaker Allan Ackerman;
- ❖ “Reasoning and Connections: External Applications and Human Curiosity!” and “Equity Challenges - PK-16: A Shared Look at Issues” by Henry S. Kepner, Jr., president of the National Council of Teachers of Mathematics;
- ❖ “Lessons from the History of Mathematics” by David Bresoud, president of the Mathematical Association of America;
- ❖ “Mathematics Teacher Education: Current Issues and Perspectives” by Barbara J. Reys, president of the American Mathematics Teacher Educators;
- ❖ “The ADP Assessment Consortium: Lessons Learned and the Road Ahead” by Tracy Halka of Achieve;
- ❖ Themed session, “Assessment: One Facet of Placement and Assessment;”
- ❖ Themed session, “Making Connections to Algebra;”
- ❖ The “Division/Department Chair Colloquium;”
- ❖ The AMATYC Committees and Grant Proposals Poster Session;
- ❖ Friendly competition in the “Faculty Math League Contest;”

➤➤Continued on page 5

AMATYC Project ACCESS

by Karen Gaines

As has been the case each year, the pool of applicants for AMATYC Project ACCESS was full of excited and talented mathematics instructors. The selections have been made for Cohort 6. Congratulations to the following new Fellows:

- | | |
|---------------------|----------------------------------|
| Libby Arnesen | Thomas Nelson CC |
| Kathryn Cerrone | The Univ of Akron-Summit College |
| Rama Chidambaram | Henry Ford CC |
| Vanessa Coffelt | Blinn College |
| Eric Compton | Brookdale CC |
| Lisa Harden | St. Louis CC-Meramec |
| David Henry | Bristol CC |
| Elizabeth Howell | North Central Texas College |
| Keturah Johnson | Lonestar College-Kingwood |
| Leandro Junes | Univ of South Carolina-Sumter |
| Amy Keith | Univ of Alaska-Fairbanks |
| Corrine Kirkbride | Solano CC |
| Ying Lin | Pima CC |
| Nicole Lloyd | Lansing CC |
| Martha Makowski | Kankakee CC |
| Alia Maw | Salt Lake CC |
| Victor Ramos | Cabrillo College |
| Rebecca Rozario | Brookdale CC |
| Katharine Sims-Drew | Prairie State College |
| Dayna Smithers | Northeast State TCC |
| Ben VanDerLinden | Central Arizona College |
| Matthew Watts | Thomas Nelson CC |
| Stephanie Whitt | York Technical College |
| Guo Quan Zhang | Richard J. Daley College |

These Fellows will attend the 2009 AMATYC conference in Las Vegas and the 2010 conference in Boston. They will also be attending a local/regional conference for AMATYC, MAA, and/or NCTM in the interim.

The workshops for the Fellows this year will include many veteran math educators as well as several Project ACCESS alumni. ACCESS is funded by money from ExxonMobil as well as AMATYC.

Inside This Issue

- | | |
|-------|----------------------------|
| 2 | President’s Corner |
| 3 | Community College Day |
| 4 | AMATYC Election |
| 5 | Guest Editorials |
| 6 | Focus on Affiliates |
| 7 | Student Mathematics League |
| 8 | Committee Reports |
| 9 | AMATYC Announcements |
| 10-12 | AMATYC Foundation |
| 12 | Dates to Remember |



Community Colleges and Mathematics Education — A Priority for the Federal Government! Persistence and Collaboration Will Still Be Needed

RIKKI BLAIR
LAKELAND CC • KIRTLAND, OH

- On Tuesday, February 17, 2009, President Obama signed into law H.R. 1, the American Recovery and Reinvestment Act of 2009 (ARRA). The \$787 billion bill includes numerous programs that will benefit community college students and enable the colleges to expand critical job training programs.
 - President Obama addressed a joint session of Congress in February 24, 2009, and stated that “[W]e will provide the support necessary for you to complete college and meet a new goal: by 2020, America will once again have the highest proportion of college graduates in the world.”
 - On April 27, 2009, President Obama addressed the National Academy of Sciences and announced “a renewed commitment to education in mathematics and science.”
- These statements and other efforts are good news for community colleges and mathematics and science education. The bad news is that it will be a challenge to find out *how* to get involved in these initiatives and *how* these funds might directly benefit our students. As you read through the following highlights about the ARRA funds, think about a project at your college. Community colleges *are* involved in some initiatives. However, it will take creativity, persistence, and networking to get involved. I urge you not to be discouraged, but to make appropriate contacts within your states and to pursue with vigor collaborations that will help our students.
- Department of Education - \$536 billion
 - A total of \$48.6 billion “state fiscal stabilization,” with \$40.1 billion to K-12 and public institutions of higher education, distributed according to formula.
 - At the postsecondary institutional level, stabilization funds can be used for education and general expenditures, as well as facilities modernization. Funds cannot be used for new facilities or to increase endowments.
 - States are given discretion to spend \$8.2 billion of the stabilization funding in accordance with state priorities; higher education infrastructure funding—available to private non-profit as well as public institutions—is a highlighted activity. Community colleges are encouraged to attempt to access this funding.
 - \$250 million is for the development of statewide education data systems that strongly emphasize, but do not mandate, the inclusion of postsecondary and workforce information.
 - Department of Health and Human Services - \$200 million
 - Funds can be used to address health professions workforce shortages outside of the National Health Service Corps program, to provide scholarships, loan repayments, and grants to training programs for equipment. The statute is vague as to the exact amount of funding to be targeted to nurse training programs.
 - Department of Labor Job - \$3.95 billion
 - Funds are provided for three Workforce Investment Act (WIA) Title I formula programs: \$1.25 billion for dislocated workers, \$500 million for adult workers and \$1.2 billion for youth programs.
 - The bill also provides \$750 million for a competitive grant program, \$500 million of which would be for research, labor exchange and job training projects to prepare workers for jobs in industries specified by the Green Jobs Act.
 - \$250 million would be prioritized for jobs in the health care sector.
 - Local workforce investment boards may enter into contracts with institutions of higher education or other training providers if the contract facilitates training of multiple individuals for high-demand occupations.
 - Department of Energy - \$5 billion
 - A joint initiative [Department of Energy and NSF] will use funds to inspire students to pursue careers in science, engineering, and entrepreneurship related to clean energy.
 - National Science Foundation - \$3 billion
 - NSF is planning to use the majority of ARRA funds for Research and Related Activities to support highly-rated research grant proposals already in house and will be reviewed and/or awarded prior to Sept. 30, 2009.
 - ARRA funds will be used to increase the number of CAREER and IGERT awards, Major Research Instrumentation (MRI) program, an Academic Research Infrastructure (ARI) program, Robert Noyce Scholarships, and the Math and Science Partnership program.
- Given all the positive statements about mathematics education, finding a role for two-year colleges in ARRA initiatives will be challenging.
- The distribution and guidelines for use of the ARRA funds does not make it easy for two-year colleges to get involved.
 - The distribution of NSF education funds is not ideal for two-year colleges. The Advanced Technological Education (ATE) program would be a natural fit for stimulus legislation, but most of the NSF funds will support other programs and proposals already in hand.
- But, every challenge also brings an opportunity. When the ARRA funds are distributed in fall 2009, two-year college faculty and administrators will have to reach out, be creative, and get involved in initiatives with their K-12 and four-year college partners. Two-year colleges taking the initiative to build these partnerships will not only bring funds to our sector, but also will build much needed bridges to help address transition issues such as aligning high school exit expectations with college entrance requirements, developing appropriate placement tools, articulating the use of technology in classrooms, and developing collegiality across the sectors.
- Continued on page 3

Community College Day

➤➤President's Corner, Con't. from page 2

The opportunities are there. To build the bridges mentioned above and bring new resources to our students, two-year college faculty and administrators need to carry the torch to light the fire for two-year college involvement. Make a contact today within your local area or in your state. If you delay, the funds will be used in other ways that will not benefit our students or capitalize on the renewed interest in mathematics education in two-year colleges.

"The complex issues of learning, assessment, curriculum, teaching, and professionalism can only be fully addressed through actions of all stakeholders, not just a single individual or a single entity."

—*Beyond Crossroads*, page 71

Tuesday, April 14, was Community College Day at the National Science Foundation Headquarters. This annual event is open to community college faculty and their students. The program highlights an outstanding member of the science community who started at a community college. This year the chosen success story was provided by Raul Cano, Professor of Microbiology and Director of the Environmental Biology Institute at Cal Poly State University in San Luis Obispo, CA. George Boggs, President and CEO of AACC, introduced him and gave a nice statistic - 6.5 million students, roughly half of all degree seeking post secondary students, begin the degree at a community college. Also community colleges' reputations have been continually improving (due to the fine work of AACC) so that community colleges are looked upon as solutions and not problems in higher education. This change in attitude and recognition has been noted by the Obama administration - community college educator has been nominated for Undersecretary of Education - a first.

During Professor Cano's talk, which was directed at the NSF staff, community college faculty, and students, he discussed his experience at a four-year college. That was not a success, so as many of community college students do, he left behind academic endeavors and joined the military. After a stint there he decided to reenter the academic life at a community college where he began receiving the individual attention that led to his ultimate success. Throughout the talk, he related both successes and failures but the failures led to success as lessons were used in future courses.

After the presentation, Professor Cano spoke with the students. The last activity was a reception for all to network and then attendees were invited to learn more about NSF programs directly aimed at student success in the community college. Of particular interest to community college faculty are awards dealing with research that identifies successful learning. Grants in this area will most likely require collaboration with research institutions that have the staff to perform the necessary statistical analyses. A major reason for this interest at the community college level is that for the first time there is evidence that the young of today are not as well educated as their parents. Since community colleges get these underprepared students, community colleges are the place for this trend to be reversed.

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

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AMATYC Calendar of Events

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

October 2, 2009 ArizMATYC Meeting, Coconino CC, Flagstaff, AZ. Contact: Kathryn Kozak, kathryn.kozak@coconino.edu

October 3, 2009 FTYCMA Meeting, Winterhaven, FL. Website: mcc1.mccfl.edu/ftycma/default.htm

October 9-10, 2009 MichMATYC Fall Conference, Henry Ford CC, Dearborn, MI. Contact: Jeff Morford, jmorford@hfcc.edu. Website: www.michmatyc.org/michmatyc2009/index.htm

November 12-15, 2009 35th Annual AMATYC Conference, Las Vegas, NV. Contact: AMATYC Office, amatyc@amatyc.org

November 11-14, 2010 36th Annual AMATYC Conference, Boston, MA. Contact: AMATYC Office, amatyc@amatyc.org

November 10-13, 2011 37th Annual AMATYC Conference, Austin, TX. Contact: AMATYC Office, amatyc@amatyc.org

November 8-11, 2012 38th Annual AMATYC Conference, Jacksonville, FL. Contact: AMATYC Office, amatyc@amatyc.org

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

There is now an online form that will enable members to update or add affiliate conference information. You can access the form at www.amatyc.org/affiliates/affiliates-conferences.htm.

The 2010 Mathematics Excellence Award Call for Nominations

Honor your colleague through an AMATYC Mathematics Excellence Award nomination. The award recognizes educators who have made outstanding contributions to mathematics or mathematics education at the two-year college and is presented once every two years.

The Mathematics Excellence Award Committee will consider each of the nominations in accordance with the following criteria:

- National reputation
- Leadership and activities in professional organizations
- Professional talks and presentations
- Awards and grants received
- Publications
- Professional activities on a regional, state, and national scale
- Teaching Expertise
- Other Contributions to mathematics and/or mathematics education

A nomination consists of a résumé, not to exceed three pages, and three letters in support of the nomination, one of which is a letter of nomination. At least one of the three letters should be from outside the nominee's AMATYC region. Letters of support that elaborate on qualities described in the resume or highlight additional exemplary characteristics of the nominee are more helpful to the committee than letters that reiterate items mentioned in the resume. In an effort to compare all candidates on the same basis, any additional materials submitted will not be considered. Incomplete nominations will not be considered.

Frequently asked questions are addressed at www.amatyc.org/awards/MathExcellence/ or for other questions, email the chair at Kathy.Mowers@kctcs.edu.

Nominations must be received by the chair by Monday, November 2, 2009. The signed originals and eight copies of each nomination packet must be sent by US Mail, FedEx, or other carrier. Emailed packets will not be accepted. Submit these nomination materials to:

**Kathy Mowers
ME Award Committee Chair
Owensboro Community and Technical College
4800 New Hartford Road
Owensboro, KY 42303-1899**

Counting on Your Vote!

by Kathy Mowers

Watch the mail for your ballot for the election of AMATYC Officers for the 2009-2011 Board. Ballots will be sent in late August to all active regular and life members as of May 31, 2009. Ballots for each AMATYC region will ask you to vote for one of the candidates for President-Elect, Secretary, Treasurer, and Vice President for your region. Officers will be announced by an email to all AMATYC members and at the 2009 AMATYC Annual Conference in Las Vegas. Each officer takes office at the close of the conference.

Ballots must be returned in the envelope provided and must be postmarked by Friday, September 25. Your vote is important, and AMATYC is counting on you to cast your vote so please take time to vote for those who will lead AMATYC for the next two years.

The following membership categories do not carry voting privileges: retired, adjunct, student, and institutional. If you are the contact person for your college's institutional membership, you must also hold a regular, individual membership to be eligible to vote. Questions about your membership status should be directed to the AMATYC Office by email to amatyc@southwest.tn.edu or by phone to 901.333.4643.

If you are eligible to vote and do not receive your ballot by September 11, please contact the AMATYC Office.

2009-2011 AMATYC Board Election Slate

The slate of candidates below lists the candidates in alphabetical order by last name. Write-ins are permitted for each office.

President-Elect

Martha Goshaw, Seminole CC
Jim Roznowski, Delta College

Secretary

Oiyin Pauline Chow, Central Pennsylvania's CC, HACC

Treasurer

Mike Hardie, Western Nevada College
Alice Eiko Pierce, Georgia Perimeter College

Northeast Vice President

Abraham S. Mantell, Nassau CC
Jane D. Tanner, Onondaga CC

Mid-Atlantic Vice President

Ruth E. Collins, Walden Univ
Louise B. Olshan, County College of Morris

Southeast Vice President

Donna Saye, Georgia Southern Univ

Midwest Vice President

Dana T. Calland, Maysville CTC
Nancy J. Sattler, Terra CC

Central Vice President

Beverly A. Meyers, Jefferson College
Steven J. Wilson, Johnson County CC

Southwest Vice President

Jean Woody, Tulsa CC

Northwest Vice President

Stefan Baratto, Clackamas CC
Susan M. Knights, College of Western Idaho

West Vice President

Eric Matsuoka, Leeward CC
Bruce Yoshiwara, Los Angeles Pierce College

Guest Editorial: Create Accessible Materials with Microsoft Word

by Neil Soiffer

Every student spends part of his or her school day using math skills in math, science, and other subjects. Most of these students have no problem reading from textbooks and instructor-produced materials, but how do you accommodate a student who can't see the material?

Federal laws and some state laws require that individuals with disabilities have equal access to education¹. With or without the law, most educators naturally want to provide adequate accessible materials to students with print disabilities. Math educators are no exception -- the sticking point isn't the desire, but rather the knowledge needed to create such accessible materials.

If your educational institution has Disabled Student Services staff available, the task of creating accessible materials may be overseen by someone else. But in many cases, you may be in the position of having to create your own accessible materials. Fortunately, it's not a difficult task.

The first thing you should know is that there are standard formats for accessible documents, the most important being the DAISY format². DAISY stands for **D**igital **A**ccessible **I**nformation **S**ystem, and is a standard for representing accessible materials for individuals with visual and learning disabilities. The latest version of the DAISY standard specifies how to represent mathematics as well.

With a free Word add-in from Microsoft³, creating DAISY "books" that don't contain math is as easy as choosing the Save as DAISY command in Word. This command saves the document as a DAISY Digital Talking Book, ready to be used in a DAISY player. For material containing math, another piece of software is required. MathDaisy⁴ enhances the Word-to-DAISY conversion process, converting the equations in the document to MathML⁵ as required by the DAISY format.

Your students may or may not be familiar with DAISY and DAISY players. There is probably someone at your college whose job it is to assist disabled students, and they can be a great source of help and information. The main thing your students need to know is that all they need is a MathPlayer-enabled⁶ DAISY player. Currently there are two such DAISY players⁷, with more on the way.

There is a tremendous amount of information on the web about accessible materials and their various formats. In addition to the DAISY website, other good sources of information are the NIMAS website⁸ and the Design Science website⁹.

AMATYC does not specifically endorse any commercial product.

¹At least three Federal laws mandate equal access to education in the United States: Americans with Disabilities Act (ADA); Section 504 of the Rehabilitation Act of 1973, as amended; and the Individuals with Disabilities Education Act (IDEA).

²DAISY Consortium: www.daisy.org

³Download "Save as DAISY" (Windows only): www.daisy.org/projects/save-as-daisy-microsoft

⁴More information and download free trial of MathDaisy: www.dessci.com/math-daisy

⁵MathML: Mathematical Markup Language. See www.w3.org/Math

⁶MathPlayer enables Microsoft Internet Explorer to display mathematical notation in web pages, and it enables DAISY players to speak the math as it reads the document.

⁷As of this writing, the only 2 MathPlayer-enabled DAISY players are gh PLAYER (www.gh-accessibility.com) and the Dolphin EasyReader (www.yourdolphin.com).

⁸NIMAS: National Instructional Materials Accessibility Standard. <http://nimas.cast.org>

⁹Solutions for the Accessibility Community: www.dessci.com/accessibility

The ABCs of AMATYC Conference Attendance

by Jane Tanner



Have you marked your calendars for the 35th Annual Conference to be held November 12-15th in Las Vegas? Be sure you do because this conference is one that you do not want to miss. Jim Matovina and the

Local Events Committee have been hard at work for a long time to make sure that this conference meets your "high expectations."

There are a few things that you can do to ensure that this conference is successful, hence the ABCs of conference attendance.

Always stay at the conference hotel. This allows AMATYC to receive better rates to help keep your conference expenses lower. You may be able to find a less expensive room elsewhere, but you will not be helping out your organization. By the way, the tower that we will be staying in at the Riviera Hotel and Casino has just been renovated so you will definitely want to stay there!

Be sure to honor the cutoff date for hotel reservations – October 21, 2009. This will guarantee you a room in the newly renovated tower at the low rate of \$99 a night.

Contact the Riviera Hotel at 800.634.6753 or www.amatyc.org/Events/conferences/2009LV/housing.html today. To help AMATYC keep your conference costs reasonable, be sure to mention that you are attending the AMATYC Conference when contacting the hotel.

Now you have it. It is easy as ABC to attend this conference. You will not want to miss this one!

Program Highlights, Con't. from page 1

- ❖ A sharing session designed to assist affiliate leaders;
- ❖ The latest advances in technology demonstrated in several commercial sessions;
- ❖ An exhibit hall filled with representatives from all your favorite publishing companies eager to share materials designed to help your students succeed.

Make plans now to renew your professional energy by joining your friends and colleagues at AMATYC's 35th Annual Conference in Las Vegas, Nevada.

Focus on Affiliates:

π MATYC

by Eric Matsouka

To promote dialogue and participation among college mathematics faculty, π MATYC plans a conference each semester. On some occasions, π MATYC has partnered with another local organization (the Hawaii Council of Teachers of Mathematics and the Pacific Association for Developmental Education) to co-host or at least cross-promote a conference or other event of interest to its members.

A π MATYC conference is generally a single-day event held on a Saturday. There is no conference fee for members but advance registration is required to ensure that adequate meals and refreshments are arranged. In the past, keynote speakers such as John Hornsby, Pat McKeague, and Tom Carson have inspired conference attendees but more recently, there has been a focus on local events and issues. These issues include the Achieve the Dream initiative, developmental course content alignment and redesign, placement and prerequisites across the system, the American Diploma Project and its Algebra II end-of-course exam.

The π MATYC officers are President, President-Elect, Secretary, and Treasurer. Officers (except for President) are elected for two-year terms in the spring of odd-numbered years. Nominations are accepted by email or in person at the spring conference and, if necessary, an election is held and new officers assume their positions at the start of the new school year. Though there have been many cases in the past when a single nominee was elected by default, this spring, there were contested elections for secretary and treasurer. Cohort Five Project ACCESS Fellow Troy Seffrood was elected by acclamation to be the new President-Elect.

The π MATYC Constitution and Bylaws had not been examined since its inception so when AMATYC proposed a revision and combination of the two documents, it seemed to be an appropriate time for π MATYC to examine its organizing documents as well. The changes that are being examined have more to do with clarification and modernization, rather than substance.

In addition to the examination of the Constitution and Bylaws, π MATYC members are working on a position paper regarding AA degree requirements related to mathematics in the Univ of Hawai'i CC system.

WolframAlpha: What IS It and How Will It Affect You?

by Maria H. Andersen, Muskegon CC

WolframAlpha (WIA) is a "computational search engine" built by Wolfram Research (the developers of Mathematica). WIA (pronounce this as "walpha") is similar in appearance to the search engines that we are used to and easy to use. WIA will not replace other search engines. It's more of a missing piece in the search engine puzzle. WIA provides a collection of data, formulas, computations, and interpretations that are different from other search engines.

Recent media releases have stressed data-driven examples (for example, type your first name to see a graph of the frequency of that name over time), the ability of WIA to function as a combination of CAS, and natural language computational system is stunning. Here are a couple of examples for you to try yourself. Go to the WIA website (www.wolframalpha.com) and type in each of the following as your search request:

- 126 (*make sure to click on "other historical numerals"*)
- convert 125 m³ to gallons
- sphere r=7 cm
- Line (2,7) and (3,1/2)
- Solve $x^2-6x=16$ (*make sure to click on "show steps"*)
- $4 - x^2$
- Triangle 7,8,9
- $x^2-y^2=9$
- limit $x \rightarrow 3 (x-3)/(x^2-9)$ (*again, make sure to click on "show steps"*)
- integral $(x^2)\sin(x^3)$ (*"show steps"*)
- sum $1/n^2$
- New York City, Chicago
- convert 78 to base 5

There are several differences between WIA and traditional CAS systems. The first, which you should have noticed after those examples, is that the **less** you ask for, the **more** you get. WIA just assumes you want all relevant computations and information that it can generate: graphs, solutions, alternate forms, derivatives, integrals, area under the curve (if bounded), and steps (if they are available). WIA provides quick and painless access to all sorts of data that has been organized so that it can be cross-referenced. In this sense, WIA could be a valuable tool for us in helping students to see the connections between concepts within mathematics and in relating mathematics to the real world.

On the other hand, there could be implications with academic dishonesty, especially in online and hybrid courses. It will be necessary to decide as an individual faculty member whether WIA is off limits, and if so, how to use and/or enforce it. Ready or not, WIA is now available on any computer with Internet access and on most SmartPhones.

It is up to each faculty member and department to think about (with as much advanced notice as possible) how to embrace, adopt, accommodate, and/or regulate the use of WIA in mathematics courses. This is a conversation that should occur in every department at every level of mathematics, including both full-time and part-time instructors. It is a conversation that should take place with colleagues in the partner disciplines and at four-year institutions.

Note: There are additional resources you may wish to view. A longer analysis regarding the rate of adoption and the impact of large-scale change in mathematics on the higher education system can be found at www.teachingcollegemath.com/?p=998. A wiki documenting some of the capabilities of WIA for math courses and the implications for teaching has been started at www.walphawiki.wikidot.com (maintained by Derek Bruff).

AMATYC does not specifically endorse any commercial product.

Student Mathematics League

by Susan R. Strickland

Both rounds of the Student Mathematics League competition have been completed and the final results are in.

Final Team Results:

- | | | |
|-----|------------------------------|--------------|
| 1. | Los Angeles City College, CA | 316 points |
| 2. | De Anza College, CA | 311.5 points |
| 3. | West Valley College, CA | 305.5 points |
| 4. | East Los Angeles College, CA | 303.5 points |
| 5. | Pasadena City College, CA | 302 points |
| 6. | Santa Monica College, CA | 294.5 points |
| 7. | Bellevue CC, WA | 283.5 points |
| 8. | Brookdale CC, NJ | 277 points |
| 9. | San Jose City College, CA | 272 points |
| 10. | Mt. San Antonio College, CA | 270.5 points |



Final Individual Results:

- | | | | |
|-----|---------------------------|------------------------------|-------------|
| 1. | Yujin Yoshimura | De Anza College, CA | 77.5 points |
| 2. | Davit Hovhannisyán | Pasadena City College, CA | 75 points |
| 3. | (tie) Stepanyan Haykaz | Los Angeles City College, CA | 72.5 points |
| 3. | (tie) Jonathan Hung | Bellevue CC, WA | 72.5 points |
| 5. | Ke Qu | Santa Monica College, CA | 70 points |
| 6. | (tie) Ryan Long | Columbia Basin College, WA | 66 points |
| 6. | (tie) Babuchyan Valentina | Los Angeles City College, CA | 66 points |
| 8. | Kevin Horowitz | Santa Monica College, CA | 64.5 points |
| 9. | Ji Hua Lu | East Los Angeles College, CA | 63.5 points |
| 10. | (tie) Suhas Devangam | Oakland CC, MI | 63 points |
| 10. | (tie) Wan-Ni Tsai | San Jose City College, CA | 63 points |

Top Schools and Students by Region:

- | | | |
|----------------------|------------------------------|---|
| Northeast: | Borough of Manhattan CC, NY | Brian Cowles (Springfield Technical CC, MA) |
| Mid-Atlantic: | Brookdale CC, NJ | Steven Castellano (Brookdale CC, NJ) |
| Southeast: | Durham Technical CC, NC | Luis Ares (Miami Dade College, FL) |
| Midwest: | Harper College, IL | Suhas Devangam (Oakland CC, MI) |
| Central: | Rochester CTC, MN | Ehren Wessel (Rochester CTC, MN) |
| Southwest: | Austin CC, TX | Dong Min Jang (Pima CC, AZ) |
| Northwest: | Bellevue CC, WA | Jonathan Hung (Bellevue CC, WA) |
| West: | Los Angeles City College, CA | Yujin Yoshimura (De Anza College, CA) |

A very grateful thanks to all of the moderators who give the exams, grade them, record them, and send them in.

If your school does not currently participate in the SML, please consider registering for next year's competition. You can read about the SML on the webpage at www.amatyc.org/SML or email susanst@csmd.edu with any questions. The dates for next year's competition are Friday, October 16 through Saturday, October 31, 2009 (Round 1) and Friday, February 12 through Saturday, March 6, 2010 (Round 2). Don't forget to register your school for next year's competition at <https://www.alphacommerce.com/amatyc/smlregistration.asp>

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

See you in Las Vegas!

Future AMATYC Conferences

- | | | |
|------|--------------|-----------------------|
| 2009 | Las Vegas | November 12-15 |
| 2010 | Boston | November 11-14 |
| 2011 | Austin | November 10-13 |
| 2012 | Jacksonville | November 8-11 |
| 2013 | Anaheim | October 31-November 3 |

Developmental Mathematics

by Jack Rotman

Developmental mathematics is not “remedial” mathematics. Developmental mathematics is not “high school” mathematics. Developmental mathematics courses exist to meet specific needs of students in our colleges and universities.

The Developmental Mathematics Committee (DMC) is developing a New Life Vision of developmental mathematics to meet these needs through an online community. You can view the online community at dm-new-life.wikispaces.com/, although only members can post or revise materials. DMC has a mission statement which describes the needs that developmental mathematics courses will address. The next stage in the process will involve identifying content that addresses those needs, which will eventually become the basis for new courses in developmental mathematics. These courses will be more diverse (mathematically) than the typical developmental math course has been. The DMC’s project is invigorating, and involves collaborating with other organizations with an interest in developmental mathematics - including NADE, MAA, and foundations.

During the 2009 AMATYC annual conference in Las Vegas, the DMC will conduct a Symposium to discuss the New Life Vision. In addition, the results of the work will be distributed in other forms and venues.

The DMC is pleased that the AMATYC Executive Board has approved a new traveling workshop strand for developmental mathematics. The strand director is Eleanor Storey (Front Range CC) who will work with the AMATYC traveling workshop coordinator, Pat Averbek. Look for more news on these workshops over the next year.

The AMATYC Executive Board also approved the reappointment of the current chair, Jack Rotman, for two more years (2009-2011); this will enable the DMC to accomplish more of the critical tasks ...the New Life Vision in particular.

For other news from the DMC, visit the website (devmath.amatyc.org) and read the past newsletters (now edited by Jessica Craig of Georgia Perimeter College). The website also includes a membership form to join the DMC.

Innovative Teaching and Learning

by Mary Beth Orange

Today’s innovation is tomorrow’s tradition. The Innovative Teaching and Learning Committee (ITLC) recently held an online discussion to define innovative teaching and learning. It was suggested that any practice is innovative if you have never tried it before – teaching online might be new to one person while teaching with Web 2.0 tools might be innovative for another. The practices the committee identified included teaching techniques, uses of technology, and utilizing teaching techniques to reach students with a variety of learning styles. Some stressed making connections beyond the classroom; someone else described using a CBL to gather real-time, real-world data; and another focused on utilizing classroom smartboards. It was suggested that most teachers do utilize the current research regarding how students learn. Regardless of where you are in your teaching career, student learning should be the focus!

Highlights of the 2009 AMATYC

Spring Board Meeting

by Irene Doo

The AMATYC Executive Board met at Southwest Tennessee CC in Memphis on April 17-20, 2009. During the meeting, the Board took the following actions:

- Appointed the following members:
 - **Robert Capetta**, *MathAMATYC Educator* Editorial Panel
 - **Martha Morrow Chalhoub** to the Conference Program Committee
 - **Margie Hobbs** and **William Steenken** to the AMATYC Foundation Board
 - **Mary Beth Orange**, chair of the Innovative Teaching and Learning Committee
 - **Sean Simpson**, chair of the Division/Department Issues Committee
 - **Ned Schillow**, chair of the Mathematics for AAS Programs Committee
- Reappointed the following members:
 - **Susan Strickland**, Student Mathematics League Coordinator
 - **Steve Blasberg**, Student Mathematics League Test Developer
 - **Jim Ham**, Website Coordinator
 - **George Alexander**, Online Resource Director
 - **Wayne Mackey**, MATHEDCC List Manager
 - **Jack Rotman**, Developmental Mathematics Committee chair
 - **Connie Buller**, Placement and Assessment Committee chair
 - **Darlene Wunnington**, Teacher Preparation Committee chair
- Approved the reduction in the number of issues of the *AMATYC News* from 5 issues per year to 4 issues per year effective in 2010.
- Approved a Developmental Mathematics Traveling Workshop strand.
- Approved a “one time only” online version of *The AMATYC Review*.
- Approved a conference registration fee structure for undergraduate college students attending the 2009 conference.
- Approved a revision in the distribution of points for the Mathematics Excellence Award, beginning with the 2012 award.
- Approved a wording change in the revised AMATYC Bylaws.
- Approved term extensions for the Program Coordinator and Exhibits Chair.

Conference Planning 101: The First Thing I Learned on the Job!

by Keven Dockter

A year ago in April, I was appointed to the position of Incoming Conference Coordinator. Margie Hobbs, the Conference Coordinator, promptly began copying me on hundreds of emails trying to bring me up to speed as quickly as possible. As I worked to understand the entire conference planning process, I tried to continuously think back to the AMATYC conferences I had attended and attach some of the rationale I was learning to what I had been told!

One of the items I remembered hearing often was the advantage one gained by staying in the conference hotel. I was not surprised to learn that not only does the individual attendee benefit by staying on site, but so does AMATYC! When you stay in the AMATYC room block set up with the conference hotel, you are right in the middle of the action! We all know that much learning at a conference happens between sessions and in the evenings when you are visiting with colleagues from across the country. In Las Vegas, when you book your room through the AMATYC website or directly with the Riviera and identify yourself as an AMATYC member, you will be staying in the newly remodeled Monaco Tower. This tower, which has been blocked for AMATYC members, features the Riviera's signature rooms. These new, non-smoking rooms have the latest décor in the hotel industry and are quite nice! It is a great deal at \$99 a night for a single or double.

So what does the organization gain when you stay at the conference hotel? First, we know that you will be close by and will be able to get to the sessions you want to attend. You will also be more likely to attend the food functions at the conference. AMATYC makes several guarantees to the hotel which help to keep our costs as low as possible. One is a certain number of people who will attend each meal. We will pay for a fixed number of people no matter how many come to the breakfasts. Since your registration costs include both the Friday and Saturday breakfasts, we hope you will attend both of them. It is much easier to do if you are staying at the conference hotel. AMATYC also guarantees that our members will reserve a set number of rooms in the conference hotel. By making this guarantee, most hotels will allow us to use the convention space for a very low price or even at no cost. This means we can pass along the savings to our members and keep the registration as low as possible. After all it is the dollars brought in by registration that pays for the conference expenses. If not enough of our members stay at the conference hotel, the hotel will charge us an additional amount, raising our overall costs.

Staying at the conference hotel makes you and AMATYC winners!

Another AMATYC Opportunity Apply for the Grants Coordinator Position

Expand your professional service and become active in AMATYC at the same time. Writing grants for the organization will help bring new initiatives to our members and our students. Apply now by sending a letter of interest and vita to Rob Farinelli, rfarinelli@ccac.edu.

The Grants Coordinator works and consults with the President and other AMATYC leaders and members on AMATYC grant activities. The term length is three years, beginning at the end of the 2009 annual conference, November 15, 2009, and ending at the end of the 2012 annual conference, November 11, 2012.

Duties:

1. Identify and notify the AMATYC President of appropriate grant opportunities.
2. Seek grants to fulfill objectives identified and authorized by the Executive Board.
3. Coordinate AMATYC grant proposal development.
4. Collaborate with the proposers of all AMATYC grants and provide appropriate guidance and assistance.
5. Provide expertise and consultation for AMATYC leaders and members on grant-related matters.
6. Attend conferences and training opportunities as directed by the President.
7. Stay current with National Science Foundation (NSF) personnel and other appropriate leaders.
8. Conduct information sharing and training on grants for members through conference sessions.

JOIN AMATYC

BECOME A MEMBER OF AMATYC TODAY

CONTACT:

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MEMPHIS, TN 38134
901.333.4643 FAX 901.333.4651
amatyc@amatyc.org www.amatyc.org



In 1972 I started teaching in a community college and my department chair showed me an article about AMATYC in a professional magazine. I received permission to go to the Chicago meeting and from there it was "AMATYC" forever.

Anonymous Comment from
2008 AMATYC Member Climate
Survey

AMATYC Foundation Honor Roll of Donors

AMATYC is fortunate to have members and friends who support the organization through private gifts whether through their direct donations, with their conference registrations, as part of the conference activity Monumental Opportunities, or through the purchase of tickets for the Magic Show. This support has allowed AMATYC to enhance current programs such as *Beyond Crossroads*, AMATYC Project ACCCESS, and to create new opportunities for the members it serves such as 2009 and 2010 AMATYC mini-grants to support classroom research to enhance student learning. Thanks to this generosity, every ACCCESS Fellow from each of the Cohorts will be given a Project ACCCESS pin to honor their achievement and to help them be recognized by AMATYC members and other Fellows.



We want to share with you those donors who during 2008 made these generous gifts and to express our gratitude for their support. Thank you!

We strive to ensure accuracy within this Honor Roll listing of all our donors for the 2008 calendar year. If you find your information to be incorrect or if you prefer your name to be listed differently in the future, please email Beverly Vance at amatyc@amatyc.org or call her at 901.333.4643 so she can make the appropriate corrections to the Foundation database.

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Recognize Persons Who Impacted Your Life

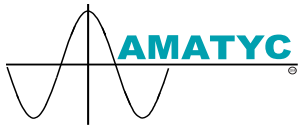
*Coming together is a beginning.
Keeping together is progress. Working
together is success. ~Henry Ford*

As we begin another academic year, we should stop and thank the many people who have positively impacted our lives. For each \$20 donation to the AMATYC Foundation, attendees at the AMATYC Conference in Las Vegas will have the opportunity to publicly honor or memorialize someone who has made a positive impact in your professional or personal life. If you choose to donate with your conference registration, just take your registration receipt to the AMATYC Cashier's window of the registration desk. You will be given card(s) to honor or memorialize your special person and post the cards on a prominent bulletin board at the conference. Also, the names of those who are honored and memorialized will be published in an issue of the AMATYC News next year. But there is more...

The AMATYC Foundation provides funding to advance the mission of AMATYC by supporting special AMATYC initiatives such as AMATYC Project ACCESS and *Beyond Crossroads*. And there is more...

For each \$20 donation, your name will be entered in a drawing for one complimentary discount registration for the 2010 AMATYC conference in Boston, MA. The winner will be announced during the Awards Breakfast on Saturday morning and will be posted at the Registration Desk following the Breakfast. You do not need to be present to win.

The complimentary discount conference registration must be used for the 2010 AMATYC conference in Boston, MA. If you win, you will be sent a special form for registering for the conference during the summer of 2010. The registration is nontransferable. Contributions to the Magic Show for the 2009 AMATYC Conference are not considered in the minimum contribution. AMATYC board members, the conference coordinator and the executive director of office operations are ineligible for this award.



Kathryn Kozak, Editor
AMATYC News
Southwest Tennessee CC
5983 Macon Cove
Memphis, TN 38134

AMATYC Foundation

The AMATYC Foundation is a non-profit 501(c)(3) tax-exempt corporation established in 1990, and donations to the Foundation are tax deductible to the extent allowed by law. The AMATYC Foundation is committed to promote and support the mission, values, and projects of AMATYC. This support is only possible through your commitment. Please join your AMATYC Executive Board members in support of your professional organization. The Foundation solicits your support for one of its three funds:

- The General Development Fund
- Project ACCCESS Fund
- *Beyond Crossroads* Fund

Visit the website for more information, or simply mail your check made out to "AMATYC Foundation" to AMATYC Foundation, 5983 Macon Cove, Memphis, TN 38134.



Dates To Remember!

2009 Annual Conference in Las Vegas
Discount Registration Deadline:
Postmark by September 30, 2009
Online or Fax by October 7, 2009

2009 Annual Conference in Las Vegas
Discount Room Rate Deadline:
October 21, 2009

Mu Alpha Theta Math Competition
Registration Deadline:
October 29, 2009

Mini-Grant Applications Deadline:
November 1, 2009

Mathematics Excellence Award
Nominations
Receipt Deadline:
November 2, 2009

Application to Host a Refocused
College Algebra Traveling Workshop:
As Soon as Possible
www.TheRightStuff.AMATYC.org/

Guest editorials and letters to the editor are invited. Submissions must be related to mathematics, mathematics education, or AMATYC. Suggestions for reprints must include the correct citation as well as permission from the original source. Send editorials and letters to Kathryn Kozak at AMATYCNews@amatyc.org.

For more information visit
www.amatyc.org