



# AMATYC News

American Mathematical Association  
of Two-Year Colleges

*Serving the professional needs of two-year college mathematics faculty*

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## 2003 AMATYC Annual Conference

### A "Prime Time" Program

by Wanda Garner

Experience a "Prime Time for Mathematics" in Salt Lake City, November 13-16, 2003. Although this year's program will contain old friends and familiar topics, there will also be many new features, new formats, new topics, and new faces.

#### New Features, Formats, Topics, and Faces:

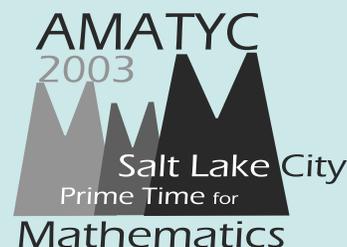
##### ❖ Four themed series of short sessions presented by the Academic Committees-

- Best Practices in Placement and Assessment
- Technologies and Instructional Techniques Effective in Distance Learning
- "Wow! It's Working!"-Techniques That Increase Student Success
- "Math on the Web"

The first three will run simultaneously Thursday morning allowing participants to sample 15-minute demonstrations and talks on the topic of their choice. "Math on the Web," presenting innovative ways to teach using the power of the Internet, is designed in 30-minute segments beginning in late morning, lasting until time to adjourn to the opening general session and keynote address.

##### ❖ The Scholarship of Teaching

Friday morning begins with a special session presented by Tom Angelo on the Scholarship of Teaching. Angelo will also present an in-depth symposium. In addition, a selection of sessions and workshops presented by others with expertise in classroom research will be offered. Among those will be invited speaker Donna Duffy, whose work in the field has been recognized by the Carnegie Foundation.



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## Salt Lake City 2003: Prime Time for Mathematics

by Joe Gallegos

"This is the Place," shouted Brigham Young as he led a group of Mormons to the Salt Lake Valley in 1847 (by the way, 1847 is prime). Those words still hold true in 2003, as preparations for the 29<sup>th</sup> Annual AMATYC Conference are well under way. This is the Place for a **Prime Time for Mathematics** held at the Grand America Hotel and the Little America Hotel on November 13-16.

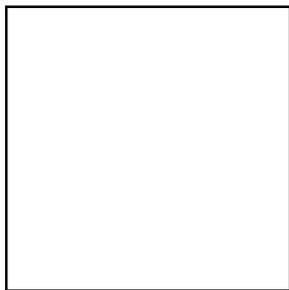
When you arrive at Salt Lake City International Airport, you should have no difficulty getting to the hotel. The Grand America Hotel courtesy van makes the round trip from the airport to the hotel every 20 minutes. If you drive, take the city center exits (either 400 South or 600 South), the hotel will be on Main Street. The Grand America and the Little America will be the location of all the conference sessions and workshops, with the exception of the offsite computer workshops. Those will be held at Salt Lake Community College's Metro Center, 115 South Main. The Metro Center is located a few blocks from the hotel (within walking distance). As you exit the hotel, head towards downtown on the east side of the road. You may also take the light-rail system to the Metro Center. The Trax System runs in front of the hotel. The train is free in the downtown area. You catch the train a short 1/2 block from the hotel lobby and continue downtown for free.

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# President's Corner



**Philip H. Mahler**  
Middlesex CC • Bedford, MA

## Workshop at Middlesex

My department recently hosted a T<sup>3</sup> workshop on using hand-held technology in developmental courses. This one was conducted by Linda Greene, who facilitates workshops for AMATYC's own Traveling Technology Workshops. It brought home to me the usefulness of a department, perhaps in conjunction with departments at other nearby colleges, hosting faculty development workshops facilitated by AMATYC or even by other groups and programs. After more than a decade of AMATYC activism and six years on the Executive Board I have come to believe that the core service of AMATYC to our profession is faculty development. Community college mathematics educators are teachers first—we all know that. But no graduate and/or industrial preparation can prepare us so well that we can single-handedly take on the challenges that face us throughout a dedicated and noble career. AMATYC is our single best hope for learning about the new issues and how they apply to what we do in two-year colleges, and to prepare us to face the resulting challenges.

Without wanting to belabor the subject, I'll remind you of the Scholarship of Teaching thread in our Annual Conference in Salt Lake City and the fact that our annual conference is an outstanding opportunity for professional development.

## Vision Document

You recently received a copy of the document *A Vision: Mathematics for the Emerging Technologies*. It is reported on page 7 in this edition of the *News*, and I recommend the document to you, whether or not you are directly connected to technology education. I have taught mathematics for technicians in the past—being a former electronics technician myself—and I have found it interesting to see the growth of hands-on mathematics, computer based laboratories, data collecting and curve fitting, and interesting applications in our general mathematics courses because that was always part of the secret of technology programs—by their nature they provide much of that. Now, an NSF-funded AMATYC project has led to this report that also stresses the other things we acknowledge today as important in all of our mathematics and other community college courses, such as critical thinking and problem solving. Anyway, I do recommend that you make the time to read this document—I promise you will profit from it and enjoy it.

## The Mathematics Preparation of Teachers

There is a lot going on related to the mathematics preparation of K-12 teachers—see the Congratulations below, too. Several years ago CBMS (see the Window on Washington report, p. 16) sponsored a document *The Mathematical Education of Teachers*. Go to [www.cbmsweb.org/MET\\_Document/](http://www.cbmsweb.org/MET_Document/), if you want to know more. You can get free copies of the smaller of the two versions of this document (the second one includes the first), and you can download, too.

You know that the *No Child Left Behind* legislation mandates much higher standards for schools and their teachers. Combine this with the perennially forecast, but perhaps soon to happen, shortage of K-12 teachers and the importance of recruiting and training future teachers of mathematics becomes more important than ever—too important for us to ignore. Important to every community college educator is realizing that this opens doors to good careers for our students in K-12 education.

## Congratulations

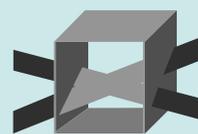
The National Association of Community College Teacher Education Programs (NACCTEP, [www.nacctep.org](http://www.nacctep.org)) held an inaugural meeting in Phoenix in March. This was in recognition of the importance of community colleges in the preparation of many of

our future K-12 teachers. Its founders include current and past AMATYC leaders. Congratulations to this organization, and our wishes for every success.

TODOS: Mathematics for ALL ([www.todos-math.org](http://www.todos-math.org)) is dedicated to equity for all, and particularly Latino/Hispanic students in K-12 systems. This recently formed group is an outgrowth of NCTM's Equity and Diversity Advisory Committee. Congratulations, and we wish this group every success in its mission.

## Crossroads Corner...

Months of writing and thoughtful discussion among members of the Writing Team,



including section and contributing writers, have resulted in an Outline of the AMATYC Standards 2006. The Outline was built upon and expanded the 1995 AMATYC *Crossroads*. Several basic principles were added, in addition to a set of Standards Supporting Student Learning, to complement the Standards for Intellectual Development, Content, and Pedagogy from the 1995 *Crossroads*. The outline was distributed in late May to about 125 people including the project's National Advisory Committee members, mathematics and mathematics education society presidents and AMATYC affiliate presidents and committee chairs. Comments from review of the outline have been incorporated by the Planning Team into the next draft of the document. A new draft will be available for review at the 2003 AMATYC Annual Conference in Salt Lake City. It is expected that a written document will be released in 2006 with supporting products that use a variety of media.

Plan to attend a forum on the *Crossroads Revisited* Project on Thursday evening in Salt Lake City, as well as one or both of the planned Worksessions. Your input is needed! For more information, contact one of the Project Directors, Susan S. Wood ([swood@jsr.vccs.edu](mailto:swood@jsr.vccs.edu)), Phil Mahler ([mahlerp@middlesex.cc.ma.us](mailto:mahlerp@middlesex.cc.ma.us)), Sadie Bragg ([sbragg@bmcc.cuny.edu](mailto:sbragg@bmcc.cuny.edu)), or the Editor, Rikki Blair ([rblair@ncweb.com](mailto:rblair@ncweb.com)).

**Salt Lake City,****Continued from page 1**

The city's namesake, the Great Salt Lake, lies just to the west. Seven canyons snake up into the mountains from the city's edges and many state and national parks, rivers, forests, and recreation areas are within an easy day's drive. Only minutes away from the downtown area, 11,000-foot peaks with both ski resorts and wilderness areas create a dramatic backdrop to this modern western city. Originally settled in 1847 in traditional wagon train style by religious pioneers, Salt Lake City has never stopped growing and now stretches valley wide from the Wasatch Mountains in the east to the Oquirrh in the west.

The story of those early years is a fascinating one, best discovered in Temple Square, which surrounds the historic Tabernacle and Temple and remains the heart of the city today. The downtown area is very easy to navigate. Whether you choose to walk, bike, drive, or take public transportation, you'll find cultural, culinary, and entertainment benefits of Salt Lake City. Shopping centers (the Gateway, ZCMI, and Crossroads mall), brew pubs, and ethnic restaurants lend an increasingly cosmopolitan touch. If you fancy a night out on the town, it might include any of the following: Ballet West, Ririe Woodbury Dance Co., the Repertory Dance Theatre (RDT), Utah Opera, or the Utah Symphony. There are several professional or semi-professional acting companies; in fact Salt Lake CC's own Grand Theatre will be showing "The 1940's Radio Hour" in November.

On Friday night, after an exciting day of sessions and meetings, have dinner at one of Salt Lake's fine restaurants, but leave lots of room for dessert. Return to the Grand America at 8:30 p.m. for an evening of pastries, music, and games. Sample some of the finest pastries Salt Lake City has to offer; meet the Master Pastry Chef and see a pastry making demonstration. Urban Soul Music will be provided by Soul Patrol, a nine-piece soul band based in Salt Lake City. The Band, formed in 1996, spotlights members from around the globe and features their own bay area style of funk, as well as the classic music of James Brown, Al Green, Otis Redding, Wilson Pickett, Sly & The Family Stone, and many others. In addition, there will be a short recreation of Ethel and Albert's old time radio show titled "Ethel's Mathematical Logic."

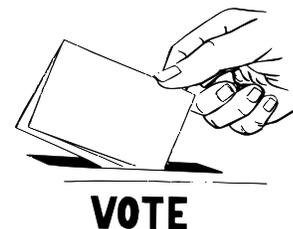
Unwind from your conference activities by planning time for sightseeing or hiking. Walk the Bonneville Shoreline Trail system or the Jordan River Parkway, or hike up Millcreek Canyon. Arrive early and visit one of Utah's national parks or monuments; see what happens to sandstone after it has been subjected to wind, water, and time. Dinosaur National Monument is only 185 miles from Salt Lake City, and it has the world's largest collection of Jurassic Period dinosaur bones ever discovered. Whatever you plan on doing for leisure, make sure you include one of the tours we are offering.

"This is LaPlace" would have been the saying that echoed through Emigration Canyon had Brigham Young studied mathematics. We hope to see you at the 29<sup>th</sup> Annual AMATYC conference for a **Prime Time for Mathematics**.

**Your Vote Counts**

by Susan S. Wood

**W**atch for your ballot in the mail for the election of AMATYC Officers for the 2003-2005 term. Ballots will be sent via first class mail in late August or early September to all active regular members as of May 31, 2003, and to all lifetime members. 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. Winners will be announced during the 2003 AMATYC Annual Conference in Salt Lake City and will take office at the close of that conference, serving until the close of the 2005 AMATYC Annual Conference in San Diego. Ballots must be returned in the envelope provided and must be postmarked by Wednesday, October 1, 2003. Your vote counts, 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. A member number and expiration date should appear on the label of this newsletter. If the alpha prefix before the number is "IA," you are listed as the contact for your institution's membership and do not hold a regular, voting membership unless you have joined separately as a regular, individual member. Questions regarding your membership status should be directed to the AMATYC Office by email to [amatyc@southwest.tn.edu](mailto:amatyc@southwest.tn.edu) or by phone to 901.333.4643.

If you are eligible to vote and do not receive a ballot by September 20, 2003, please notify Susan S. Wood by email at [swood@jsr.vccs.edu](mailto:swood@jsr.vccs.edu). You should give your membership number and indicate that you have not received a ballot.

The slate of candidates is given below, with candidates in alphabetic order by last name. Write-ins are permitted for each office.

President-Elect: Kathy Mowers, Ilga A. Ross  
 Secretary: Irene Doo, Martha T. Goshaw  
 Treasurer: Thomas (Tom) Adamson, Vicki Froehlich  
 Northeast Vice President: Nkechi Madonna Agwu, Jack Keating  
 Mid-Atlantic Vice President: Rob Farinelli, Charles J. Miller, Jr.  
 Southeast Vice President: Robert L. Kimball, Donna Saye  
 Midwest Vice President: Jim Roznowski, Nancy J. Sattler  
 Central Vice President: Joe M. Gallegos, Wanda J. Long  
 Southwest Vice President: Mary Robinson, Paula Wilhite  
 Northwest Vice President: Christie Gilliland, Doug Nelson  
 West Vice President: Jan Ford, Marcella Laddon

Thank you in advance for taking the time to vote in the election of AMATYC officers for the 2003-2005 term and for your active participation in AMATYC.

**An Institutional Membership...includes one complimentary conference registration!**

## A Report on the AMATYC Summer Institute in Raleigh

by Rob Kimball

During the AMATYC Summer Institute in Raleigh, May 18-23, Institute participants had time to learn more about how and when mathematics is used in the workplace and to create industry “snapshots” with workplace applications. These interactive, web-based, multimedia snapshots contain a company overview, profiles of selected employees, an interactive warm-up quiz, and a brief introduction to the industry-based applications. The accompanying applications cover topics from developmental mathematics to calculus, may be short in-class assignments or multi-day projects, and are designed for teachers to use in their classrooms without a great deal of adaptation. CD’s containing these snapshots and applications will enable instructors to make math more meaningful, to motivate more students to enroll in additional mathematics courses, to increase the students’ awareness of job opportunities in the workplace, and to encourage more students to pursue degrees in AAS programs.

Visiting industry was a rewarding process for all involved. Industry reaction to the visits by AMATYC faculty was very positive, and companies voiced their high regard for the professionalism of the faculty who visited. In addition, Summer Institute participants found the experience “energizing” and “eye-opening.”

During the evenings, participants were given the opportunity to meet industry representatives, to tour Raleigh, and to experience some of the fine dining establishments in the area. Participant feedback was enthusiastic and several have already arranged to visit industries in their regions and to write their own snapshots.



AMATYC Summer Institute in Raleigh, May 18-23, 2003

Bottom row (left to right): Nancy Martin-Young, Cathy Jordan, Barbara Cribbs, and Deborah Benton; 2nd row: Kirk Mehtlan, Cyrus McCarter, Sandra Villas, and Sharon Clark; 3rd row: Chuckie Hairston and Lorrie Randall; 4th row: Janell Sargent, Mary Juliano, Arlene Sherburne, and Juile Tarr; 5th row: Larry McKenzie, Dorm Saylor, Cathie Pirri, Barbara Glass, and Donald Ransford; 6th row: Ruth Collins, Joan Lipsmeyer, and Darlene Winnington; Top row: Darrell Abney, Jesse Williford, and Rob Kimball

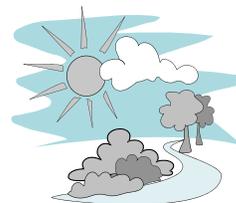
## Adjunct Avenue

by Ernie Danforth

The adjunct subcommittee continues to look for ways colleges can help inform adjuncts about the many details that make teaching smoother that full-time faculty may take for granted. We ask others to share programs, events, activities, and opportunities to integrate adjuncts into their departments and colleges. We especially seek ideas that could be replicated on other campuses.

New Hampshire Technical Institute, Concord, NH, held an Adjunct Fair late last summer, just before students returned to campus. Food and door prizes encouraged over 80 adjuncts to attend. The adjunct fair team put this first ever experience together to welcome adjuncts to NHTI and to make sure they had seen face-to-face all the services available to students and faculty. All the offices and services an adjunct might encounter, or need to encounter, were represented. Adjuncts had ID photos taken. They were introduced to the various departments; media services, admissions, registrar, financial aid, security, the Teaching and Learning Team, disability services, the

learning center, and others. Building on last year’s success, they will repeat the event again this summer.



### Annual Conference, Continued from page 1

#### ❖ Math and Music

Enjoy either or both of the interactive sessions on connections between math and music by Steve Gadbois, complete with a baby grand piano. And, back by popular demand, Janet Tarjan will present the second edition of her standing-room-only “Math Songs.” There is nothing standard or common place about this “strand.”

#### ❖ Thursday’s Opening Session

Learn what it means, from a Native American perspective, to make knowledge and education meaningful for all students. Eric Jolly will draw on his Cherokee heritage to share his insight and suggestions for more effective ways to reach our diverse student population.

#### Old Friends and Familiar Topics:

##### ❖ Saturday Morning’s Awards Breakfast and Address

Enjoy a humorous, entertaining, and enlightening address on code breaking by Joseph Gallian.

##### ❖ Sessions and Workshops on all your favorite topics:

Teacher preparation, developmental mathematics, statistics, calculus, diversity, distance learning, assessment, placement, faculty development, and teaching with technology are some of the topics that may interest you.

## 2004 AMATYC Mathematics Excellence Award

The 2004 Mathematics Excellence (ME) Award Selection Committee makes its final call for nominations for the ME Award, which is given to an outstanding leader in the field of mathematics. The ME Award selection criteria encompass overall professional accomplishments at the national and regional levels. You may self-nominate or nominate a colleague. Nominations close on **November 3, 2003**. For more information, visit the AMATYC website at [www.amatyc.org](http://www.amatyc.org) or email Susan S. Wood, ME Award Committee Chairperson, at [swood@jsr.vccs.edu](mailto:swood@jsr.vccs.edu).

## Highlights of the 2003 AMATYC Spring Board Meeting

by Peg Pankowski

The AMATYC Executive Board met at Southwest Tennessee CC in Memphis on April 25-28. Some highlights of actions taken include:

- Adopted a Strategic Planning Cycle
- Allocated funds to allow for travel of the AMATYC President to ICME-10, the 10<sup>th</sup> International Congress on Mathematical Education, to be held in July 2004 in Copenhagen, Denmark
- Established an AMATYC Research Associate (ARA) appointment to provide an opportunity for AMATYC members who are interested in doing classroom research or research on practices in mathematics instruction at two-year colleges
- Approved a proposal to provide each AMATYC committee with a subdomain at no cost to the committee to host its website
- Approved a proposal to host websites for affiliates
- Created a new position of Affiliate Website Director to provide assistance to AMATYC Affiliates
- Adopted a Privacy Policy
- Approved a Policy on Guests at AMATYC events
- Created a continuing ASA/AMATYC Joint Committee on Statistics Education in Two-Year Colleges and appointed Brian Smith, Marty Triola, and John Climent to the committee
- Reorganized the work areas encompassed by the Grants Committee and the Editorial Policy Review and Publicity Committee. See the articles "AMATYC Board Reorganizes Two Service Areas" on this page and "AMATYC Announces the Creation of Three Positions and Solicits Applications" on p. 7 for details
- Amended and clarified the Delegate Assembly Minutes Approval Procedure
- Made the following appointments: (effective at the close of the 2003 AMATYC Annual Conference)
  - ♦ Sam White as official AMATYC photographer for the Conference in Salt Lake City
  - ♦ Gwen Turbeville, J. Sargeant Reynolds CC, as AMATYC Advertising Chair
  - ♦ Margie Hobbs, Univ of Mississippi, as Conference Coordinator
  - ♦ Jean Woody, Tulsa CC, as Editor of the *AMATYC News*
  - ♦ Barbara Rives, Lamar Univ-Orange, as Editor of *The AMATYC Review*
  - ♦ John Peterson, Chattanooga State Tech CC, as Production Manager of *The AMATYC Review*
  - ♦ Wayne Mackey, Univ of Arkansas, Fayetteville, as AMATYC MATHEDCC List Manager
  - ♦ Peter Georgakis, Santa Barbara City College, as AMATYC Legal Advisor
  - ♦ Steve Blasberg, West Valley College, as Student Mathematics League Test Developer
  - ♦ Chuck Wessell, Durham Technical College, as Coordinator of the Student Math League
  - ♦ Doug Mace, Oakland CC, as Traveling Workshop Coordinator
  - ♦ Peg Greene, Florida CC at Jacksonville, as Traveling Workshop Director for Technology
  - ♦ Irene Doo, Austin CC, as Traveling Workshop Director for *Crossroads*
  - ♦ Nancy Sattler, Terra CC, as Chair of the Distance Learning Committee
  - ♦ Judy King, New Hampshire Community and Technical College, as Chair of the Faculty Development Committee
  - ♦ Jeff Morford, Henry Ford CC, as Chair of the Foundation/Developmental Mathematics Committee
  - ♦ Ed Gallo, Sinclair CC, as Chair of the Placement and Assessment Committee
  - ♦ Ruth Collins, Delaware Technical CC, as Chair of the Program/Curriculum Issues Committee
  - ♦ Mary Ann Hovis, Lima Technical College, as Chair of the Technical Mathematics/AAS Programs Committee
  - ♦ David Graser, Yavapai College, as Chair of the Technology in Mathematics Education Committee
  - ♦ Peter Georgakis, Santa Barbara City College, as a member of the Conference Program Committee for 2004-2006
  - ♦ San Diego Conference Local Planning Committee:
    - Jan Ford and Tammi Marshall, Cuyamaca College, Local Interest/Tours
    - Irene Palacios, Grossmont College, Hospitality Room
    - Terrie Teegarden, San Diego Mesa College, Breakfast
    - Carol Murphy, San Diego Miramar College



## AMATYC Board Reorganizes Two Service Areas

by Philip H. Mahler

At its spring meeting the AMATYC Board disbanded two service committees, and replaced them with three new, more focused positions; the rationale is described below. See also the article on page 7, "AMATYC Announces the Creation of Three Positions and Solicits Applications," which is an outgrowth of the following Board actions.

The Grants Committee has historically focused on serving as a resource for members who want information on grants, by answering questions and by providing informational sessions at the annual meeting. The demand for this has not been onerous.

At the same time, the AMATYC Board has recognized that the organization itself needs to focus on grants in a more formal manner. AMATYC has just finished two large, very successful grants on teacher preparation and on technical mathematics curriculum. This pattern of success should be continued, and to do so the organization needs to redirect its limited resources toward this effort.

The Board has always recognized the excellent work that Cathy Curtis, Mt. Hood CC, has done as Chair of the Grants Committee, as well as her predecessors; but, acknowledging the need to change directions with regard to grants in general, the Board disbanded the Grants Committee effective at the end of the 2003 AMATYC Annual Conference in Salt Lake City, and created the position of AMATYC Grants Coordinator. See the above-referenced article about the duties of this position. The Board felt that these duties need the attention of one dedicated individual to provide the personal contact and continuity needed to accomplish the redirected goals.

Continued on page 6

## Student Mathematics League

by Susan McLoughlin

The final results for the 2002-2003 competition year for the Student Mathematics League are as follows:

### Team Championship

City College of San Francisco (CA)	328.0
Pasadena City College (CA)	323.5
Los Angeles City College (CA)	311.5
William Rainey Harper College (IL)	303.0
Mt. San Antonio College (CA)	297.0
Glendale Community College (CA)	285.5
Bellevue Community College (WA)	285.0
DeAnza College (CA)	279.5
West Valley College (CA)	274.0
Montgomery College-Rockville (MD)	272.0



### Individual Rankings

Jeffrey Amos	Johnson County CC (KS)	77.5
Pavel Batrachenko	Rochester C & TC (TX)	75.0
Gene Kim	Middlesex CC (NJ)	73.0
Charles Meeks	Austin CC (TX)	73.0
Luana Raduca	Los Angeles City College (CA)	73.0
Jiajing Xu	Pasadena City College (CA)	73.0
Nikolay Olshanskiy	Los Angeles Valley College (CA)	71.5
Xiao Xu	Pasadena City College (CA)	71.5
Justin Kelly	Frederick CC (MD)	70.0
Dmytro Ryazanov	DeAnza College (CA)	69.5

### Regional Champions

Northeast	Onondaga CC (NY)	219.0
Mid-Atlantic	Montgomery College-Rockville (MD)	272.0
Southeast	Georgia Perimeter College (GA)	219.0
Midwest	William Rainey Harper College (IL)	303.0
Central	Rochester CTC (MN)	268.5
Southwest	Austin CC (TX)	249.5
Northwest	Bellevue CC (WA)	285.0
West	City College of San Francisco (CA)	328.0

The Charles Miller Memorial Scholarship will be awarded at the annual conference in Salt Lake City in November to the highest ranked qualifying individual. Plaques will be awarded to the top five teams, the top five individuals, and the eight regional team and individual champions. Also, prizes will be awarded to the top ten individuals and the members of the first place team.

One hundred sixty colleges and more than seven thousand students participated in the Student Mathematics League competition during the 2002-2003 year. The competition consisted of two exams given during the academic year, administered on each campus by the local moderator. If your two-year college is not participating in the Student Mathematics League, please consider joining. Information concerning the Student Mathematics League can be found on the AMATYC website.

Several changes will be implemented in the 2003-2004 academic year. The annual fee has increased from \$25 to \$35. Additionally, registrations received after September 30 will incur a \$15 late fee. The registration fee continues to be waived for institutional members current as of August 31, 2003; however, if registration is not received by September 30, the late fee will apply. The small \$10 increase and the late fee will help cover the expenses associated with administering the competition. There has been no increase in the registration fee for many years.

Registration will only be accepted electronically through the AMATYC website. Beginning early August, moderators will go to the AMATYC website, [www.amatyc.org](http://www.amatyc.org) to register for the Student Mathematics League. Once all fields are completed and

## AMATYC Announces the Creation of the Research Associate Position

An AMATYC Research Associate (ARA) Appointment is an opportunity for AMATYC members who are interested in doing classroom research or research on practices in mathematics instruction at two-year colleges. The research may be in conjunction with activities such as graduate work, a sabbatical, or a grant. AMATYC will be able to provide support to ARA appointees such as labels, publicity, and recognition. An article soliciting proposals from interested members for an ARA appointment will appear in the *AMATYC News* in the October issue, and information on how to apply for an ARA appointment is on the AMATYC webpage.

### Two Service Areas, Continued from page 5

Please note that the AMATYC Grants Coordinator will still act as a resource for the needs of particular members, and that the Board believes this change will better serve all AMATYC members, as well.

The Board has recognized the excellent work that Bill Palow, Miami-Dade CC, has done as Chair of the Editorial Policy Review and Publicity Committee (EPRPC), as well as the work of his predecessors, while also realizing that this committee's mission could best be met by two different persons dedicated to the two disparate goals of the EPRPC—editing and publicity.

This committee has historically focused on editing of AMATYC documents and on publicity, largely through press releases. The Board feels that the health of our organization requires promoting marketing and publicity more strongly, while still meeting the editing needs. This made it clear to the Board of the need for separate individuals to focus on the different functions of publicity and editing. As a result, the Board disbanded the Editorial Policy Review and Publicity Committee effective at the end of the 2003 AMATYC Annual Conference in Salt Lake City and created the positions of AMATYC Publicity Director and AMATYC Editing Director. The previously mentioned article describes these two positions.

These changes meet with the approval of the two current committee chairs, who recognize the need to refocus these service areas to best meet the needs of AMATYC's mission in the context of limited resources.

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## Technical Mathematics is Focus of Recently-Released Report

by John Peterson

**A** *Vision: Mathematics for the Emerging Technologies* was released in spring 2003, and already it is being viewed as the seminal report on the teaching of technical mathematics in two-year colleges. Its authors, Mary Ann Hovis, Robert L. Kimball, and John C. Peterson wrote the report based on discussions with, and recommendations from, mathematics educators, technical personnel from business and industry, and technical faculty from two-year colleges, and textbook authors. The report establishes a vision for the mathematical needs of students in emerging technologies. This three-year effort was funded by the National Science Foundation through a grant to AMATYC.

Preliminary work on the *Vision* began in October 2000 with two Curriculum Renewal Across the First Two Years (CRAFTY) workshops that were patterned after, and done in collaboration with, a series of workshops conducted by the CRAFTY subcommittee of the Committee on the Undergraduate Programs in Mathematics (CUPM) of the Mathematical Association of America (MAA). At AMATYC's CRAFTY workshops, participants used a set of questions developed by MAA to address the mathematics needs of employees and/or students in the merging technology areas of biotechnology; electronic engineering technology, semiconductors, and telecommunications; information technology; and mechanical and manufacturing technology.

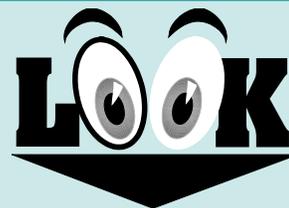
Interest in the effort grew as evidenced by the fact that over 80 people participated in a national conference where recommendations from the CRAFTY workshops were reviewed and refined prior to issuing of the *Vision* document. Educators and industry/business leaders from corporations such as Bristol Myers Squibb, Marathon/Ashland Corporation, Honeywell International, Sikorski Aircraft, and ExxonMobil worked together to develop recommendations for content, pedagogy, and resources that provided the substance for the *Vision*.

Discussion did not revolve around *whether* technology *should* be used for technical mathematics instruction but rather *how* it *could* be used. There are many options for the classroom: graphing calculators, spreadsheets, and computer algebra systems (CAS) such as Derive™, Maple®, MathCad®, and Mathematica® allow students to examine, organize, and analyze real data. Because they are pursuing careers in areas where they will routinely use technology, the ability to use technology to examine, organize, and analyze real data should be a natural extension of the student's technical program. Mathematics courses must include the appropriate content to help students acquire these skills.

Participants would like to see mathematics books that promote skills students will need in the workplace. Textbooks should include writing assignments, projects, technology-based activities, a sufficient amount of skill-and-drill, useful web materials, and information that is relevant to the technologies represented in their mathematics courses. Books need to include problems that more realistically reflect real world applications. For example, some problems need to provide too much information and other problems should omit some information. Students need to use the appropriate technology to model actual situations.

The conversation between educators and those who employ two-year college graduates was worthwhile. As mathematics educators continue to promote changes in content and pedagogy, we should be careful not to make those decisions without the input and feedback from business partners and graduates.

For specific recommendations related to arithmetic, algebra, geometry, trigonometry, statistics, and calculus content, readers can examine the complete *Vision* in an interactive and web-friendly document by following the links at [www.amatyc.org](http://www.amatyc.org). You may also order a free print copy from the AMATYC Office.



## AMATYC Announces The Creation Of Three Positions And Solicits Applications

### Grants Coordinator

The role of the Grants Coordinator is to:

- identify and notify the AMATYC President of appropriate grant opportunities
- seek grants to fulfill objectives identified and authorized by the Executive Board
- coordinate AMATYC grant proposal development
- provide expertise and consultation for AMATYC leaders and members on grant-related matters
- attend conferences and training opportunities as directed by the President
- stay current with NSF personnel and other appropriate leaders
- conduct information sharing and training on grants for members through conference sessions

Support for travel to the annual conference and other limited travel is included with this coordinator position.

### Publicity Director

The role of the Publicity Director is to:

- vigorously pursue AMATYC publicity opportunities
- oversee press releases
- maintain an AMATYC media kit

### Editing Director

The role of the Editing Director is to:

- track position statement review
- coordinate editing of position statements according to the policy for position statements
- coordinate editing of other AMATYC documents as directed by the President
- coordinate an editing group designated by the President. This group assists in all editing assigned to this director.

The term of appointment for each position is three years beginning at the close of the 2003 AMATYC Annual Conference in Salt Lake City. Persons wishing to be considered for these positions should contact Philip Mahler (see page 14 for contact information) by **Friday, October 10, 2003**. Applications will be considered after that until the positions are filled. Questions concerning the nature and demands of these positions may be directed to Phil.

## Alaska

The Univ of Alaska Fairbanks is currently dealing with placement issues for developmental mathematics. It is investigating better methods for proper placement of students in an effort to increase student success in mathematics courses. Placement methods will likely include mandatory placement in conjunction with mandatory testing and advising. For more information, contact **Jane Weber**, ffjw@uaf.edu.

## Arizona

ArizMATYC held its spring meeting at Arizona Western College. In attendance were college and university faculty

throughout Arizona, local high school teachers, and the Southwest Vice President **Mary Robinson**. In addition, there were four faculty from a college in Mexico. ArizMATYC was happy to welcome these faculty members and hope to have them at future meetings. At the business meeting, discussions were held on what ArizMATYC would do in the future to promote membership. There were many suggestions including expanding the ArizMATYC website to include information from presentations given at meetings; a listing with addresses, phone numbers, and email addresses for all mathematics faculty around the state; and the newsletter. The fall meeting will be held at Scottsdale CC on October 10-11.

## British Columbia

The British Columbia Committee on the Undergraduate Programme in Mathematics (BCCupm) met in Nelson, BC, in late May 2003. One of the important projects of BCCupm was the development of a Core Curriculum for first-year Sciences Calculus and first-year Social Sciences/Business Calculus. As a result of this project, it is now easier for receiving institutions to grant full transfer credit to first-year calculus courses from other post-secondary institutions. The First-Year Core Calculus Curriculum can be found at <http://ccins.camosun.bc.ca/~bccupm/document/CoreCalOutline.html>. For more information, contact **Slava Simice**, simice@nic.bc.ca.

## California

The CMC<sup>3</sup> board met in May 2003. **Barbara Illowsky**, De Anza CC, reported that the California state academic senate is discussing changing the minimum

mathematics level for the AA degree to intermediate algebra. (Currently the requirement is elementary algebra.) The conversations are lively, yet civil, and will continue for the next year. **Barry Wood**, Santa Rosa JC, reported that the Lake Tahoe mini-conference went well. **Ron Graham**, Univ of California San Diego, gave a keynote presentation on "Juggling and Mathematics" and **Woolcott Smith**, Temple Univ, gave a keynote presentation, "A Statistical Ecology of Google Whacking."

The CMC<sup>3</sup> Foundation has given five scholarships to the students in Northern California who received the top scores on the 2002-03 AMATYC Student Math League tests: **Dmytro Ryazanov**, DeAnza College (\$500), **Michael Nguyen**, Modesto JC (\$150), **Dmitry Toubinsky**, Santa Rosa JC (\$150), **Boris Bukh**, San Francisco City College (\$100), and **Dibiao Pang**, San Francisco City College (\$100).

## Colorado

New ColoMATYC officers for 2003-2005 are President **Rick Reeves**, President-Elect **Michael Brilleslyper**, Secretary-Treasurer **Gudryn Doherty**, and Newsletter Editor **Mary Sloan**.

## Florida

FTYCMA will hold its second annual retreat, Mathematics in the Sun, at St. Petersburg College in Tarpon Springs, Florida, September 26-27, 2003. This year's topic is "A Celebration of Teaching." Mathematics faculty will have the opportunity to share ideas and strategies that reflect the AMATYC Standards in order to facilitate the teaching and learning of mathematics, and thus continue the momentum to implement the Standards statewide. They may also participate in panel sessions or discussion groups regarding specific ideas or concerns. A specific item for discussion will be the new concept-based mathematics course being created to replace the existing skills-based Intermediate Algebra course. This new course will serve as a more appropriate prerequisite for today's College Algebra. Both courses, the Intermediate Algebra and the College Algebra, will embody the AMATYC Standards. For further information, please visit our website, [ftycma.org](http://ftycma.org), or contact **Norma Agras**, [nagras@mdcc.edu](mailto:nagras@mdcc.edu).

FTYCMA officers and other interested members met June 13 at Valencia CC to plan the retreat and to consider other business.

## Georgia

GMATYC congratulates the students of Georgia Perimeter College who placed first in the Southeast Region team standings of the AMATYC Student Mathematics League. Special recognition goes to **Joseph Goodman** of GPC who placed first in the individual standings of the Southeast Region. Joseph has received a plaque and a cash award from GMATYC.

**Bill Bompert** of Augusta State Univ has been awarded the Augusta State Univ Alumni Association Distinguished Service Award.

Many GMATYC members' schools participated in the Ninth Annual Mathematics Tournament for Two-Year Colleges on Saturday, April 12, 2003, held on the Gainesville College campus. The competition consisted of a morning individual competition and an afternoon team competition. The Gainesville College math tournament is a yearly event that provides an opportunity for mathematics students to be recognized and rewarded.

## Iowa

**Charles Ashbacher**, Mount Mercy College, Cedar Rapids, IA, received a Maytag Innovation award for fall 2003. The grant will be used to purchase robotics equipment. Charles and three students will write software that can be used to teach future classes in robotics at Mount Mercy.

## Minnesota

**Matt Dempsey** and **Zika Perovic**, Normandale CC, have been awarded a Center for Teaching and Learning grant from the Minnesota State College and University system to develop an online Finite Mathematics course to be piloted in spring 2004.

The MinnMATYC Instructor of the Year Award was presented to **Richard Dalrymple** from Minnesota West Technical and CC. This is the eighth consecutive year the award has been given by MinnMATYC to one of its members.

MinnMATYC members who retired this past year include **Carl Gustafson**, Anoka Ramsey CC; **John Kronholm**, Minneapolis CTC; **John Venables**, Century College; and **Kathleen Peak**, Rochester CTC.

MinnMATYC held its 14<sup>th</sup> annual conference jointly with MCTM in Duluth on April 24-26. For the first time, a preconference technology session was held at Lake Superior CC. **Joe Gallian**, Univ of Minnesota, Duluth, spoke on the mathematics of ID numbers, and **Mercedes McGowen**, William Rainey Harper College,

led discussions on teacher preparation and college algebra.

MinnMATYC has 139 members from 33 different campuses and 19 student members from 8 campuses who are participating in the Student Mentoring Project.

### Nebraska

NEBMATYC elected a five-member committee to develop criteria for a NEBMATYC teaching award. The first annual teaching award will be presented at the 2004 conference in Omaha.

### New Jersey

The fall meeting of MATYCNJ will be held at Bergen CC on October 4, 2003. Professional development opportunities will include a panel discussion and sharing session on effective curriculum design for developmental mathematics and algebra.

### New Mexico

NMMATYC had its 14<sup>th</sup> annual conference on May 30-31, 2003, in Farmington, New Mexico. The conference theme was "Come and Be a Link...Creating Connections." The keynote speaker was **Jim Trefzger**, Parkland College, in Champaign, Illinois, who spoke on "Reaching Students By Making Verbal, Operational, and Applied Mathematical Connections."

A pre-conference workshop on teaching mathematics by distance education and a trip to Chaco Canyon started the 2003 NMMATYC Conference. **Dennis Vargo** of Albuquerque TVI and **Lynn Onken** of San Juan College demonstrated their Internet courses and shared what they had learned about teaching distance education classes.

**Lillian Quintana** was awarded the 2003-04 Michelle Jimenez Memorial Scholarship, which is a \$500 cash award. She is a student at New Mexico State University-Grants. **Juana Roman de Smet** was the recipient of the Celeste Nossiter Textbook Award of \$100. She attends El Paso CC.

The New Mexico Articulation Task Force, an annual meeting held in conjunction with the NMMATYC Conference, co-chaired by **Kitty Berver**, New Mexico State Univ, and **Sue Weber Hall**, Eastern New Mexico Univ at Roswell, met on May 30, 2003, and updated the State's Articulation Matrix.

### North Carolina

North Carolina was host to two AMATYC Summer Institutes this year. NC's beautiful Outer Banks hosted "Developmental Algebra Using a Function Approach," June 8-13. Wake Tech CC, in Raleigh, hosted the "Making Math Meaningful Through Workplace Research" Institute during the middle of May. In the latter, supported by NSF, participants constructed multi-media snapshots of business and industries. The snapshots include video and audio of the workplace, interviews with technicians, and applications taken from the workplace. The snapshots, on CD, will be available in late summer.

### North Dakota

**Lyle Andersen**, Montana State Univ, will speak at the NDMATYC Fall Conference, October 3-4, 2003. His topic will be "A Look to the Future While Remembering the Past."

### Ohio

**Judy Giffin** and **Mary Ann Hovis**, both of Rhodes State College, have been selected to participate in the MAA NSF-supported "Supporting Assessment in Undergraduate Mathematics" workshop. One of the goals is to help mathematics departments assess student learning in their programs.

### Oklahoma

**Chris Oehrlein**, Oklahoma City CC, was a recipient of a NISOD award for outstanding teaching. Chris received his award at the annual NISOD conference in Austin, TX, over Memorial Day Weekend.

### Ontario

The OCMA Great Mathematics Teaching Seminar was held May 28-30 at Talisman Mountain Resort. **Colleen Quinn**, Senaca College, and **John Kezys**, Mohawk College, were co-chairs. Participants from 16 colleges, including AMATYC Regional Vice Presidents **Jack Keating** and **Kathy Mowers**, each sent in a teaching innovation and an instructional challenge. The participants had experience ranging from 1 year to 36 years. These writings were compiled and distributed upon arrival. Groups of six faculty met to share their ideas and to collaboratively explore what a great teacher is and does. The facilitators took the ideas from the small groups to design the next day's larger group discussions. On the last day the small groups reconvened to report out what they had experienced at the

seminar. All agreed that they learned a lot and had a great time.

### Pennsylvania

PSMATYC's spring 2004 meeting will be held in conjunction with the EPADEL section of MAA. This joint meeting was held once before back in 1994 with much success. The program coordinator is **Dennis Ebersole** from Northampton CC.

### Texas

TexMATYC is holding its conference with TCCTA on February 20-21, 2004, in Fort Worth, TX. Speaker proposals are accepted until October 1, 2003. Information and forms are on the TexMATYC website, TexMATYC.org.

### Virginia

**Susan S. Wood** of J. Sargeant Reynolds CC has been appointed to the Steering Committee of the CBMS2005 Survey. This survey of mathematics departments in two- and four-year colleges is completed every five years by the Conference Board of the Mathematical Sciences and provides useful information about two- and four-year college mathematics faculty, courses, course enrollments, and departments.

J. Sargeant Reynolds CC was recently awarded a \$150,000 Improving Teacher Quality Grant for a one-year project to assist K-12 paraprofessionals in becoming "highly qualified" according to *No Child Left Behind* federal legislation. **Gayle Childers** is serving as Project Director and is coordinating the development and offering of in-depth and refresher courses in mathematics, reading, and writing needed to assist paraprofessionals in being successful on a standardized paraprofessional assessment.

### Washington

The Washington Teachers of Teachers of Mathematics (WaToToM) recently published the position statement "State Requirement for Mathematics Content Courses for Preservice Elementary Teachers." WaToToM recommends that the state require a full academic year (9 months) of college mathematics content courses for all preservice elementary teachers in the state of Washington prior to their beginning mathematics methods

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Continued on page 10

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See Calendar on page 12 for specific conference information.  
Due to space limitations, not all news submitted may have been printed.

Continued from page 9

courses. For more information, contact **Virginia Warfield** at warfield@math.washington.edu.

On May 1-3, 2003, WAMATYC held its annual meeting as part of the Washington State CC Math Teachers Convention in Wenatchee, WA. **Heidi Ypma** of Whatcom CC was elected as the organization's Information Officer to manage the WAMATYC webpage.

WAMATYC has donated funds for a new Math League Perpetual Plaque listing the top scoring community college in Washington State. WAMATYC provided a cash award to the top scoring state Math League team and presented the check at the awards banquet held in Wenatchee.

WAMATYC has initiated statewide discussions on content of Intermediate Algebra courses and the prerequisite for quantitative skills courses.

The membership of WAMATYC has indicated a desire to raise awareness of the public regarding what math teachers do at community colleges. They want to raise awareness among state legislators regarding community college mathematics instruction, and plan to initiate electronic discussion of issues related to CC math instruction. For more information, contact **Doug Mooers**, dmooers@whatcom.ctc.edu.

### West Virginia

**Gary Seldomridge** of Potomac State College has developed a plug-in for Microsoft Word called "EasiWord" that allows mathematical symbols, text and graphs to be easily added to MS-Word documents and chat rooms. Seldomridge distributed free copies of the software at the WVMATYC Conference (which may be downloaded from www.electricabacus.com). Long time WVMATYC President, **Jerry Keepers**, will be retiring in December 2003.

### Wyoming

Casper College was host to a two-day workshop sponsored by WVMATYC on May 19-20. The workshop had a focus on Problem Solving (Math for Liberal Arts). **William Briggs** presented an afternoon workshop on "Topics in Quantitative Literacy" and **George Gilbert** presented the morning workshop on "Topics in Math of Liberal Arts." Conference attendees were from all seven community colleges in Wyoming and the Univ of Wyoming. It was an excellent opportunity to share ideas and socialize with colleagues from across the state.



The AMATYC Office is pleased to announce the arrival of Dallas Todd Hunsucker on May 15, 2003. He weighed 8 lbs. 12 oz. and was 21½ in. long. The proud parents are Dallas and Christy Hunsucker. Christy is AMATYC's Accounting Director.

## Travel Grants Available for ICME-10

by Marilyn Mays

Applications are now available for travel grants to attend the Tenth International Congress on Mathematical Education (ICME-10), July 4-11, 2004, in Copenhagen, Denmark (see [www.icme-10.dk](http://www.icme-10.dk)). The National Science Foundation grants are available only to U.S. citizens and will support travel expenses to ICME-10, which occurs every four years, for mathematicians and mathematics educators from the United States.

Grants can be used for hotel accommodations, meal costs, and conference registration. They also can be used toward air transportation, but only on American carriers. Travel grant awardees under this program may not use funds from other NSF programs to supplement their international travel (airfare to Denmark or subsistence at ICME-10).

Grants provide a unique opportunity for mathematics educators from the United States to discuss issues related to mathematics education with their international peers, including mathematics educators from developed and developing countries. Participants will be able to listen to world-renowned scholars in mathematics and mathematics education and to take part in small, focused discussion groups on a wide range of topics (see congress website above).

A selection committee will review applications and award the grants for ICME-10 travel. The committee will include representatives from the National Council of Teachers of Mathematics, the Mathematical Association of America, the American Mathematical Association of Two-Year Colleges, the American Mathematical Society, and the U.S. National Commission on Mathematics Instruction.

The travel grant application and selection criteria are available from Gail Burrill, 116 North Kedzie, Division of Science and Mathematics



Education, Michigan State University, East Lansing, MI 48824; telephone 517.432.2152, ext. 133; fax 517.432.5653, email [burrill@msu.edu](mailto:burrill@msu.edu). Applications are also available on the AMATYC website at [www.amatyc.org/ICME/grants.html](http://www.amatyc.org/ICME/grants.html). The application deadline is September 30, 2003. Notifications will be made by November 15, 2003.

## AMATYC Professional Development

AMATYC Traveling Workshops Deliver

by Doug Mace

Now is the time to begin planning professional development activities for the next academic year. Consider an AMATYC Traveling Workshop to assist you and your colleagues in increasing your effectiveness in the classroom. Workshops are custom-designed to meet the needs of your department, and are cost-effective since they are offered onsite at your college.

AMATYC offers Traveling the *CROSSROADS* Workshops to help your faculty implement the recommendations from *CROSSROADS IN MATHEMATICS*, Traveling Technology Workshops that provide instruction on the use of a variety of handheld and computer technology in the teaching of mathematics and now AMATYC offers Traveling Teacher Preparation Workshops to support the ever more important function of teacher preparation in community colleges.

Experienced facilitators work with you to design workshops ranging in length from a half-day to two or three days. If you are an affiliate leader planning an upcoming conference, consider scheduling an AMATYC Traveling Workshop as part of your affiliate conference. To set up a workshop for your college or affiliate, contact Doug Mace, Traveling Workshop Coordinator, [dwmace@oaklandcc.edu](mailto:dwmace@oaklandcc.edu).

## Math Club—If You Form It, They Will Join

by Jeganathan Srisikandarajah

At Madison Area Technical College (MATC), we have found that the main ingredients for a successful math club are as follows:

1. **Mathematically motivated students.** The students need not be taking higher-level courses (after all MATC is a two-year technical college), but should have leadership qualities to run the club. Other students will be participating to receive extra credit in their math courses.
2. **Cooperative faculty and supportive administration.** The faculty promoted the math club activities among their students by encouraging them to attend and write papers for bonus points. Students who could not attend a presentation due to a conflict of class or work had the opportunity to borrow the video from the library and receive credit by writing a paper on the topic. Each presentation was videotaped with the prior permission of the speaker.
3. **Funding from the campus foundation.** This helped with the travel expenses and gifts from the bookstore, such as sweatshirts, and meals for the speakers. The majority of the speakers were from four-year colleges and their departments funded their travel expenses. No honorarium was given. The Student Life Office supported the receptions following the monthly presentations and also an overnight stay for the speaker, if needed. We also approached the area businesses to donate graphing calculators as door prizes and small gifts to winners of our math competitions at middle, high school, and college levels. There are four scholarships set up for those who excel in the high school math competition and who decide to attend MATC.
4. **An attractive website.** We post all the events past, present and future and have links to popular math-related sites such as AMATYC, AWM, MAA, and NCTM.
5. **A good network of speakers from four-year colleges.** As the State Director of the American Mathematics Competitions (WI), I did not have any problem in finding good speakers because of my association with this organization since 1988.

Some activities of a math club could include:

- Student Math League
- A weekly column called, Mathematically Correct, which was posted on our webpage and consisted of 3 problems, with extra credit attached. This problem corner also appeared in our weekly student paper.
- Student presentations at the state level—MAA(WI) Spring Conference

The MATC Math Club accomplishments, from fall 2000 until the present, include:

- Twenty-five monthly presentations
- Two high school math competitions for approximately 12 area high school teams
- Two middle school math competitions for approximately 40 area middle school teams
- One student presentation at the MAA(WI) held April 21, 2001
- A very successful Pi day celebration in 2003 on 3.14 (March 14)
- MATC students have been consistently ranked in the SML among the top two-year colleges in the Midwest region.

All the above and more could be seen by visiting <http://matcmadison.edu/is/as/math/mathclub/>.

Once again, if we can do it, you can do it! All you need is a few dedicated instructors, a few motivated students, funding from the administration and area businesses and a good network of speakers. I have Kodak moments of all our activities since the club's inception in fall 2000. For more information, you can contact me at [jsriskandra@matcmadison.edu](mailto:jsriskandra@matcmadison.edu).

## AMATYC Announces ASA/AMATYC Joint Committee

At the Spring Board meeting AMATYC formed an ASA/AMATYC Joint Committee on Statistics Education in Two-Year College Programs. Previously approved by the American Statistical Association (ASA) Board, it only needed AMATYC's approval for formal status in both organizations.

The committee's charge is:

- To improve the quality of statistics education in two-year colleges by planning workshops, conference presentations, and other effective forms of professional development for two-year college statistics instructors.
- To promote consistency and transferability between statistics courses offered at two-year and four-year colleges.
- To communicate with two- and four-year colleges relative to the statistical preparation of elementary and secondary teachers.
- To communicate with K-12 mathematics educators to address the effect of pre-college statistical education on statistics courses taught in two-year colleges.
- To ensure ongoing communication between AMATYC and the ASA with the objective of identifying changing trends in undergraduate statistics education.

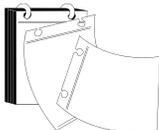
The Committee is composed of three appointed members from the ASA and three from AMATYC. Initial AMATYC appointees are Brian Smith, Marty Triola, and John Climent. This committee is the outcome of an ad hoc joint committee created several years ago on which Brian and Marty served, and the formalization and recognition is due to the hard work of Brian Smith, who will be the first chair of this committee.

## Logo Sought - Are You Artistic and Creative?

AMATYC is still inviting suggestions for a logo. This will be used to give a new look to our documents, publications, and website. The logo should be simple, contain the acronym AMATYC, and probably no other text, and look good in black and white and in two colors, and in small and large sizes. Note that AMATYC will copyright the final design.

If AMATYC uses your design, or significant design elements therefrom, you will receive a one-year membership and public acknowledgement. The final design will be approved by the AMATYC Board.

If you have a design suggestion, please send it to the AMATYC Office. To date about a dozen submissions have been made. **The deadline for submissions being received in the AMATYC Office is Friday, September 19, 2003.**



# AMATYC Calendar of Events

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

**September 20, 2003 UMATYC Fall Semester 2003 Meeting**, Salt Lake CC, Salt Lake City, UT. Contact: John Close, [john.close@slcc.edu](mailto:john.close@slcc.edu)

**September 26-27, 2003 La-MsMATYC Annual Conference**, Mississippi Gulf Coast CC, Gulfport, MS. Contact: Milton Vavasseur, [mvasvas@dcc.edu](mailto:mvasvas@dcc.edu)

**September 27, 2003 WisMATYC Fall Conference**, Madison Area Technical College, Madison, WI. Contact: Judy Jones, [jjones@matcmadison.edu](mailto:jjones@matcmadison.edu)

**September 27, 2003 OkMATYC Fall Meeting**, Tulsa CC, Tulsa, OK. Contact: Jay Malmstrom, [jmalmstrom@okccc.edu](mailto:jmalmstrom@okccc.edu)

**September 27-28, 2003 2<sup>nd</sup> Annual FTYCMA Retreat**, "Mathematics in the Sun," St. Petersburg College-Tarpon Springs Campus. Visit: [www.ftycma.org](http://www.ftycma.org)

**October 3-4, 2003 NDMATYC Fall Meeting**, Carrington, ND. Contact: Linda Tonolli, [linda.tonolli@bsc.nodak.edu](mailto:linda.tonolli@bsc.nodak.edu)

**October 4, 2003 MATYCNJ Fall Meeting**, Bergen CC, Paramus, NJ. Contact: Mary DeHart, [dehart@aol.com](mailto:dehart@aol.com)

**October 10, 2003 IMATYC Fall Conference**. Contact: Sue Grapevine, [sgrapevine@nwicc.edu](mailto:sgrapevine@nwicc.edu)

**October 10-11, 2003 ArizMATYC Fall Meeting**, Scottsdale CC, Scottsdale, AZ. Contact: Kate Kozak, [kathryn.kozak@coconino.edu](mailto:kathryn.kozak@coconino.edu)

**November 13-16, 2003 29<sup>th</sup> AMATYC Annual Conference**, Salt Lake City, UT. Contact: AMATYC Office, 901.333.4643, [amatyc@southwest.tn.edu](mailto:amatyc@southwest.tn.edu)

**December 4-6, 2003 CMC<sup>3</sup> Annual Conference**, Monterey, CA. Contact: Rick Hough, 650.738.4193, [hough@smccd.net](mailto:hough@smccd.net)

**February 20-21, 2004 Annual TexMATYC Meeting with TCCTA**, Fort Worth, TX. Contact: Natile Woodrow, [natile.woodrow@sweetwater.tstc.edu](mailto:natile.woodrow@sweetwater.tstc.edu)

**March 5-6, 2004 KYMATYC Annual Conference**, Shakertown, KY. Contact: Gerald Johnson, [gerald.johnson@kctcs.edu](mailto:gerald.johnson@kctcs.edu)

**March 25-27, 2004 IMACC Annual Meeting, Allerton Conference Center**, Monticello, IL. Contact: Tim Grant, [tim.grant@swic.edu](mailto:tim.grant@swic.edu)

**April 16, 2004 3<sup>rd</sup> Annual NebMATYC Conference**, Metropolitan CC-Fort Omaha Campus, Omaha, NE. Contact: Connie Ranard-Chandler, [cranard-chandler@metropo.mccneb.edu](mailto:cranard-chandler@metropo.mccneb.edu)

**April 16-17, 2004 ColoMATYC Joint Meeting with the MAA-Rocky Mountain Section**, Colorado College, Colorado Springs, CO. Contact: Mary Sloan, [mary.sloan@arapahoe.edu](mailto:mary.sloan@arapahoe.edu)

**April 22-24, 2004 ORMATYC Annual Conference**, Inn at Spanish Head, Lincoln City, OR. Contact: Kurt Lewandowski, [kurtl@clackamas.cc.or.us](mailto:kurtl@clackamas.cc.or.us)

**April 30-May 1, 2004 15<sup>th</sup> Annual MinnMATYC Conference**, Duluth, MN. Contact: Keven Dockter, [kdockte@inverhills.edu](mailto:kdockte@inverhills.edu)

**May 21-22, 2004 Annual NMMATYC Conference**, Santa Fe CC, Santa Fe, NM. Contact: Rockford Burris, [burris@nmsua.nmsu.edu](mailto:burris@nmsua.nmsu.edu)

**November 18-21, 2004 30<sup>th</sup> AMATYC Annual Conference**, Orlando, FL. Contact: AMATYC Office, 901.333.4643, [amatyc@southwest.tn.edu](mailto:amatyc@southwest.tn.edu)

**November 10-13, 2005 31<sup>st</sup> AMATYC Annual Conference**, San Diego, CA. Contact: AMATYC Office, 901.333.4643, [amatyc@southwest.tn.edu](mailto:amatyc@southwest.tn.edu)

**November 2-5, 2006 32<sup>nd</sup> AMATYC Annual Conference**, Cincinnati, OH. Contact: AMATYC Office, 901.333.4643, [amatyc@southwest.tn.edu](mailto:amatyc@southwest.tn.edu)

**November 15-18, 2007 33<sup>rd</sup> AMATYC Annual Conference**, New Orleans, LA. Contact: AMATYC Office, 901.333.4643, [amatyc@southwest.tn.edu](mailto:amatyc@southwest.tn.edu)

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

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## Committee Reports

### Distance Learning Committee

by Nancy J. Sattler

Internet-based distance education is becoming the most predominant and fastest growing technology according to National Center for Educational Statistics (2002). This is due, in part, to the greater number of students owning their own personal computer, the increased telecommunication bandwidth capabilities, and the state-of-the-art software development and delivery. A growing number of faculty use the Internet to complement their traditional courses.

The varied use of the Internet has prompted Harmon & Jones (as cited in Reiser & Dempsey, 2002) to classify levels of Internet use: informational, supplemental, essential, communal, and immersive. At the informational level, the course syllabus is posted on the Internet for access by students in a traditional class. At the supplemental level, the syllabus, as well as the class notes, are placed on the Internet. At the essential level, most or all of the written material necessary for the course is found on the Internet. At the communal level, classes meet both face-to-face and through the Internet. Course content is provided both online and in the traditional classroom environment. At the highest level, all of the course content and course interactions occur online. At this level, a virtual learning community exists.

When developing a distance course, the faculty member must determine which level of Internet activity is appropriate for the course. Internet-based distance education allows the teaching/learning process to occur at any time and in any place. A student has access to materials 24 hours a day, 7 days a week; hence the expression "24-7" has become a term often associated with distance education. You may wish to try using the Internet at the informational level in one of your traditional classes to begin using the Internet as a tool in your course. You may decide that a different level of Internet-use is appropriate for your course and adjust your course accordingly. If you would like to hear what your colleagues are doing in their courses, join the MathViaDistance listserv by sending an email to [MathViaDistance@imail.terra.edu](mailto:MathViaDistance@imail.terra.edu).

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References:

- National Center for Education Statistics (2002). *The condition of education*. Retrieved October 15, 2001, from <http://nces.ed.gov/programs/coe/>
- Reiser, R. A., & Dempsey, J. V. (2002). *Trends and issues in instructional design and technology*. Upper Saddle River, NJ: Pearson Education

### Equal Opportunity in Mathematics Committee

by Herb Hamilton

The Equal Opportunity in Mathematics Committee (EOMC) invites you to attend the committee meetings at the AMATYC Annual Conference in Salt Lake City. This committee was established to:

1. Ensure better mathematics preparation of elementary school teachers.
2. Educate political leaders on the importance of community colleges in the preparation of under-represented groups in mathematics and science related fields.
3. Improve attitudes of students and faculty toward mathematics.
4. Provide courses in learning styles and diversity awareness for all faculty.
5. Provide information on the importance of a positive campus climate for minority students' success in mathematics and related fields.

As you read the objectives, did you reflect back to your community college to see what is being done there to meet some of these objectives? Each community college is different. The student bodies in some community colleges are more diverse than others. The role in the community is different for some community colleges than others. In order to meet these objectives, we must come together to discuss them.

One of the objectives we as faculty members should be striving for in all of our mathematics classes is to improve the attitude of the students, and also to improve the attitude of the faculty in the other courses. How does your college provide a positive campus climate for minority students? Does your college provide workshops to the faculty for diversity awareness?

The EOMC is trying to meet its objectives through two subcommittees. There is a subcommittee for Equity for Women in Mathematics and another for Minorities in Mathematics. The Equity for Women in Mathematics is chaired by Cleopatrina Martinez, and the Minorities in Mathematics is chaired by Barbara Lott. Remember we can learn from each other and become better faculty.

### Program/Curriculum Issues Committee

by Ruth Collins

It is not too early to start thinking about the 2003 AMATYC Annual Conference in Salt Lake City. Many interesting proposals have been submitted and it looks to be another wonderful conference. There is much to learn, friendships to renew and refresh, and all of this in a beautiful setting.

At the committee meeting for Program/Curriculum Issues we will be trying to do some things the same, and other things differently. Brian Smith will be meeting with his Statistics committee. If you teach a Stats course or a course that has Statistics in it, you would find this an interesting group to meet.

Give them a try. They tackle factors such as instructor qualifications, course content and other statistics-oriented items. Brian will report on the creation and activities of the new ASA-AMATYC Joint Committee.

The Teacher Preparation subcommittee of the Program/Curriculum Issues Committee will be meeting in the same room but in another corner, and we would like to try to set up a networking and news sharing group. All of you who attended one of the Teacher Prep sessions, conferences, seminars, or institutes are welcome. If you have an interest in teaching preservice teachers or have been teaching courses for this group, you are most welcome, too.

For information on the meeting date and time, to become part of the sharing email network, or just to keep in touch with committee activities, email Ruth Collins, committee chair, at [lv2fly@comcast.net](mailto:lv2fly@comcast.net). Please note this is a new email for Ruth but similar to the previous email. For information on the Statistics side of this committee, contact Brian Smith at [brian.smith@mcgill.ca](mailto:brian.smith@mcgill.ca).

### TiME Committee

by Jerry Kissick

The TiME Committee is planning to have a Themed Session of short presentations at the AMATYC Annual Conference in Salt Lake City, in conjunction with the AMATYC Distance Learning Committee, dealing with the use of various forms of technology in distance learning. The presentations will be on Thursday during the conference. The following is a list of the presentation topics and presenters:

- Assessment in Distance Mathematics Courses et al. by Wayne Mackey
- Projects for Online Elementary Statistics by Karen Estes
- Blackboard: A Beginning by Renae Weber
- Teaching an Online Statistics Course Using Standard Internet Utilities by Joyce Oster
- Online Resources in the Statistics Classroom by Brian Smith
- Technology Tools for Teaching by Irene Doo
- Students in the Internet Classroom by Judy Ann Jones
- Teaching Math across Alaska by Jane Weber and others

I believe this will be a very good session and look forward to seeing many of you at the presentations.

The TiME Committee online newsletter can be found at <http://spot.pcc.edu/academ/math/TiME>. The latest edition features articles by Wayne Mackey and Joe Fiedler. Anyone wishing to contribute a technology-related article, report on a technology event/workshop attended, or announce an upcoming technology event/workshop, email your information to [jkissick@pcc.edu](mailto:jkissick@pcc.edu).

### Student Mathematics League,

Continued from page 6

transmitted successfully, your registration will be confirmed by an acknowledgement email from the AMATYC Office. Moderators must register before September 30 in order to avoid the late fee and ensure receipt of round-one materials before the testing window begins. Colleges owing any fees will then be invoiced directly by the AMATYC Office. All payments are now due by December 15 to accommodate closing the fiscal year.

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## Future AMATYC Conferences

2003	Salt Lake City	November 13-16
2004	Orlando	November 18-21
2005	San Diego	November 10-13
2006	Cincinnati	November 2-5
2007	New Orleans	November 15-18

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The AMATYC Review invites manuscripts and reviewers. Author Guidelines and Reviewer Surveys may be obtained from the Editor, Virginia Carson, Floyd College, PO Box 1864, Rome, Georgia 30162-1864. Author Guidelines may also be found at [www.amatyc.org/Review](http://www.amatyc.org/Review).

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# Window on Washington



by Philip H. Mahler, President

**A** MATYC is a member of several prestigious national societies, representing our profession and our membership. The President or designated representative attends their periodic meetings on your behalf. Below are reports of two recent meetings.

## Conference Board of the Mathematical Sciences

I recently attended the spring meeting of the Conference Board of the Mathematical Sciences (CBMS) at the beautiful MAA headquarters in Washington on May 3, 2003. Some highlights from this meeting include:

**CBMS2005:** The Board is ready to initiate the CBMS2005 Survey (hope you have the CBMS2000 edition!). Steve Rodi will continue to lead the project for the two-year colleges, and Past President Susan Wood has been chosen to represent two-year colleges as well. We were asked to think about what else we might like to see in the next survey. The survey cannot be extensively redone, nor would we want to, because it currently provides a wonderful longitudinal set of data. Nevertheless, if there are things you or AMATYC would like in the survey, we can bring that to CBMS. So think about it! What would you like to know about two-year college mathematics instruction that wasn't in the survey?

**ICME-10:** Copenhagen, Denmark, July 4-11, 2004: A PowerPoint was shown about this conference and members urged to attend. The PowerPoint is available at [www.icme-10.dk/](http://www.icme-10.dk/) under marketing materials. (Caution: 10 Mb file!)

**Mathematical Education of Teachers Report (MET) Follow-up:** The American Statistical Association has organized a conference related to the mathematical education of teachers for October 30-November 1. ASA's Executive Director Bill Smith also talked about the new ASA-AMATYC Joint Committee. Bill noted that 10,000 high school students took the AP Stat course six years ago, and this year it was 60,000. Irvin Vance, Executive Director of the Benjamin Banneker Association, is organizing a MET II conference for October 11-12. I represent AMATYC on the program committee. Alan Tucker talked about PMET, MAA's effort to follow up on the MET report (a CBMS project). He noted that they recognized the role that two-year colleges play in the mathematics preparation of teachers. Ron Rosier, CBMS Administrative Officer, noted that CBMS has lots of copies of the MET I document for free.

## Council of Scientific Society Presidents

I attended the 30<sup>th</sup> Anniversary meeting of the Council of Scientific Society Presidents (CSSP), on May 4-5. I participated in the "Public Understanding of Science" committee. Societies shared what they do to get the public to appreciate science. Does that sound familiar to math educators? No answers, just constant efforts.

Attendees heard talks about "21<sup>st</sup> Century Physics" and "21<sup>st</sup> Century Chemistry," and about junk science in the courts. I participated in the Math/Science Education Committee, co-chaired by NCTM President Johnny Lott. We prepared a position statement protesting the proposed reorganization of ERIC by the Department of Education.

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