Mays Receives Mathematics Excellence Award

At the annual conference, President Judy Ackerman recognized Professor Marilyn Mays of North Lake College, Irving, Texas, with the AMATYC Mathematics Excellence Award. This award is given every two years to an educator who has made outstanding contributions to mathematics or mathematics education at the two-year college. The award recognizes exceptional professional achievement on a regional and national scale.

A popular and sought out instructor, Prof. Mays has taught at North Lake College, in Irving, Texas, for more than 30 years, where she currently serves as Professor of Mathematics and Computer Science and also Dean of the Division of Mathematics and Science. Marilyn was president of AMATYC in 1994 and 1995. For many years, she served as chair of the Equal Opportunity in Mathematics Committee and is passionately devoted to the cause of fostering diversity in the mathematical sciences.

At the ICME 9 conference held in Tokyo in 2000, she served as chief organizer of the first presentation to deal with community colleges ever held at an ICME. She has spoken and written widely on a variety of topics including attracting minorities into teaching mathematics, mathematical misconceptions, and telecommunications.

Professor Mays has been instrumental in AMATYC securing grants from a variety of sources. She led the effort for AMATYC to establish a close connection with the ExxonMobil Foundation. It was largely through her efforts that grants were obtained from the National Science Foundation and from ExxonMobil to fund the development and distribution in 1995 of Crossroads in Mathematics, the organization’s signature publication. Marilyn also served as co-principal investigator on a grant for AMATYC from the Center for Occupational Research and Development that led to the production of contextual materials to support the AMATYC standards.

Congratulations and thanks go out to Professor Marilyn Mays from AMATYC.

Project ACCCESS: “An Amazing Experience”

AMATYC welcomed the first Project ACCCESS (Advancing Community College Careers: Education, Scholarship, and Service) Fellows at its 2004 Annual Conference in Orlando. The twenty-eight ACCCESS Fellows, all new two-year college mathematics faculty from 18 different states, began their ACCCESS experience with an informal reception, followed by special workshop activities designed especially for them. One goal of Project ACCCESS is to provide an opportunity for the Fellows to meet and interact with each other and with the ACCCESS workshop presenters/speakers. Throughout the two-and one-half days of activities, Fellows engaged in small group discussions on topics, such as My biggest surprise!, Who are our students, and Here’s something that works. They reacted to panel discussions about The faculty member as a teacher, scholar and professional and Finding out what our students have learned. They also participated in workshops about teaching smart and creating an active learning environment as well as listened to mathematical presentations.

In addition to the ACCCESS activities, the Fellows got a flavor of what it is like to experience an AMATYC conference by attending featured talks, the AMATYC Regional meetings, the General Session, and Exhibits. This amazing experience, for the Fellows and the co-directors, ended with a presentation on Ensuring all students learn mathematics.

Continued on page 3
As I write this column a few weeks after the AMATYC Annual Conference in Orlando, the glow of a successful conference continues to surround me. My thanks to all who contributed to a wonderful conference experience and who took care of all of the details large and small. Highlights of the conference for me included standing in the lobby in front of the conference registration desk Wednesday evening and greeting conference attendees, finally meeting our keynote and featured speakers after corresponding with some of them for a couple of years, meeting Project ACCCESS Fellows on Wednesday evening and running into them and hearing their enthusiastic comments throughout the conference, attending the Thursday evening forums to hear what our members thought about issues, reminiscing with long-term AMATYC members on Saturday evening as we recalled days when AMATYC was a very small organization, the discussion and constructive suggestions from the delegate assembly, and unveiling the new AMATYC logo.

The logo unveiling was especially exciting since the path to the logo was anything but linear as the criteria for what a logo should say about AMATYC was refined. A call for logo designs was placed in the May 2003 issue of the AMATYC News. At that time we said that the logo should provide name and image recognition and it “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.” As we reviewed the designs that were submitted, and a number of creative designs were received, the AMATYC Board realized that since AMATYC is about mathematics education, there needed to be something mathematical about the logo. Mary Beth Rollick of Kent State Univ sent in a design created by her daughter Kathleen, an engineering student at Case Western Reserve Univ. Kathleen’s design included the acronym AMATYC worked into an inverted or displaced sine curve. This design in turn stimulated board member Jim Roznowski to sketch something close to what became the approved logo. Mary Beth will receive a one year membership to AMATYC. She promises to share AMATYC materials with Kathleen when she is home from college. My thanks to all of our artistic colleagues who sent in logo designs and who stimulated the board’s thinking about logos. The AMATYC seal will continue to be used in formal situations.

Although a logo is used to represent an organization, a logo cannot describe the functioning of the organization. AMATYC members have the opportunity to join one of the eight academic committees that study academic issues facing two-year college mathematics educators. Committees meet at the annual conference and maintain communication throughout the year through newsletters and email discussions. An important part of what academic committees do is develop position statements that describe best practices in areas related to two-year college mathematics. From time to time there have been requests for new academic committees to respond to new areas of concern to two-year college mathematics faculty. As a result, the board has asked whether it is time for AMATYC to consider a different academic committee structure. At the fall board meeting a task force was established to review and make recommendations on the structure of AMATYC committees. The task force, made up of 15 AMATYC members includes board members, committee chairs, former committee chairs, and active AMATYC members. It met for the first time in Orlando. As AMATYC considers possible change in its committee structure, we all should heed the advice of British philosopher and mathematician Albert North Whitehead that “The art of progress is to preserve order amid change and to preserve change amid order.”

Mathematics Excellence Award

Nominations are now open for the next AMATYC Mathematics Excellence Award. Nominations close Tuesday, November 1, 2005. Details are on the AMATYC website.
**2005 AMATYC Summer Institutes**

**Outer Banks Summer Institute**

*Developmental Algebra Using a Function Approach*

by Ed Laughbaum

The AMATYC Outer Banks Summer Institute, www.amatyc.org, is being held June 12–17, 2005, in the “resort” town of Duck, North Carolina. The Institute will be of value to those considering a teaching/learning enhancement to the traditional developmental algebra curriculum. We will modify the traditional content by approaching it through function, which will reorder it and capitalize on function concepts to develop mathematical understandings and skills. Inherent in the function approach to teaching algebra (with a graphing calculator) are the cognitive processes of associations, pattern recognition, attention, visualizations, and the enriched teaching environment. By teaching to the way the brain functions, we will remove a layer of difficulty to learning algebra. We will provide materials that use these brain-based strategies for teaching algebra. The classroom for the Institute is housed at the Army Field Research Facility (FRF), www.frf.usace.army.mil/, on the oceanfront and offers the view and sound of the Atlantic surf. The Outer Banks of North Carolina is a major attraction offering beaches, shopping, fine restaurants, and lots of historical sights. It is a great place to take your family.

At the AMATYC Outer Banks Summer Institute, we will consider an algebra curriculum that uses a function approach and develops mathematical ideas in the context of real-world situations. The course is a cooperative effort between the T³ Teachers Teaching with Technology College Short Course Program, www.math.ohio-state.edu/shortcourse/, and the AMATYC Summer Institute Program, www.amatyc.org.

Instructors and info: Instructors for the Institute are Debbie Crocker, Appalachian State Univ and Ed Laughbaum, The Ohio State Univ. Three quarter hours of graduate credit are available from Portland State Univ. Grant pricing will be available on selected Texas Instruments calculators used in the Institute. For further information, please contact Ed Laughbaum, Institute Director, at www.math.ohio-state.edu/~elaughba/, 614.292.7223.

**San Diego AMATYC 2005**

by Peg Hovde

Catch the Wave to San Diego in November 2005. The California math surfers are working hard to ensure that 2005 is a great conference and to share San Diego with all the AMATYC members.

Best known for its benign climate and fabulous beaches, San Diego is home to a dazzling array of top-notch attractions including the world famous San Diego Zoo, a cultural and recreational jewel known as Balboa Park, historic Old Town, the Gaslamp district with fine dining and entertainment and much more. San Diego offers a wide variety of things to do and see, appealing to guests of all ages. Take a virtual tour of San Diego at www.sandiego360.com or www.gothere.com/sandiego.htm.

San Diego is one big outdoor playground. With 70 miles of sandy coastline—plus pretty, sheltered Mission Bay—you can choose from swimming, snorkeling, windsurfing, kayaking, bicycling, skating, and tons of other fun in or near the water. San Diego county features 92 golf courses and a variety of sports, spas, and gaming. In fact, there is a public golf course across the street from the conference hotel and a spa on the grounds of the hotel.

As you can tell we love San Diego, and we can’t wait to share it with you.

**Teacher Preparation:**

*Exploring Statistical Reasoning and Probability*

by James Chesla, Director

The Applied Technology Center at Grand Rapids CC will be the place to be July 7-11, 2005, for teachers of teachers to gain a deeper understanding of fundamental concepts in statistics, which will include data collection, representation, and interpretation. Investigations in probability such as fundamental counting, permutations, and combinations will provide participants with activities for their own classroom. Implications and impact of the No Child Left Behind Act on community college mathematics education will also be explored. Facilitating the institute will be Julie Hess and Dana Sammons of Grand Rapids CC.

Cost for the institute is $290 for AMATYC members or $350 for non-members. A welcome dinner on Thursday, July 7, daily lunches, and a brunch on Monday, July 11 will be provided during the Institute. Hotel accommodations will be available at the Days Inn Downtown in Grand Rapids, MI. The cost is approximately $70/night.

Join us in Grand Rapids, a grand city with many attractions including the Gerald R. Ford Presidential Museum. Plus, beautiful Lake Michigan is a drive of less than an hour away.

For additional information, contact Jim Chesla, jchesla@grcc.edu.

**Project ACCCESS,**

*Continued from page 1*

Throughout the next year, ACCCESS Fellows will build on their experiences by working on an individual project, attending MAA Section NExT meetings, and planning their 2005 ACCCESS program for the AMATYC Annual Conference in San Diego.

Project ACCCESS, developed by AMATYC and MAA, is funded by a grant from the ExxonMobil Foundation. Both AMATYC and MAA invite you to apply to become a Project ACCCESS Fellow. The deadline for the next cohort is July 1, 2005. For more information, please visit: www.amatyc.org/Project ACCCESS or www.maa.org/Project ACCCESS.
AMATYC Hosts Digital Products Planning Meeting for Crossroads Revisited Project

The AMATYC Crossroads Revisited Project hosted a Digital Products Planning Meeting at Southwest Tennessee CC in Memphis, TN, on October 8-9, 2004. The goals of the meeting were to select the focus areas for the initial digital products to be released with the AMATYC Standards 2006 document and to begin the preparation of workplans for the development of these digital products. The digital products will include materials using a variety of media, possibly packaged using a CD or DVD format. The project may solicit video segments from AMATYC members’ colleges to enhance the project.

Twenty-two individuals gathered at the meeting to review the latest draft of the AMATYC Standards 2006, called Beyond Crossroads, Version 6.0, and consider areas where digital products could best enhance and extend the document and assist faculty teaching introductory college mathematics at two- and four-year institutions. Four technology experts, two multimedia faculty and two company representatives, provided invaluable guidance regarding the technological aspects of creating digital products. The focus areas identified at the meeting, from which the initial digital products will be selected, include:

- Assessment
- Instructional Strategies
- Outreach Kit for Various Audiences for Dissemination
- Quantitative Literacy and Mathematics Across the Curriculum
- Strategies for Getting Started in Standards-based Mathematics
- Web-enhanced Version of the Written Document

Planning is underway for the web-enhanced version of the written document (called Beyond Crossroads Live). Dave Graser, AMATYC TIME Committee Chair from Yavapai College (AZ), is serving as editor of the web-enhanced version. Teams to plan additional digital products are forming. For more information, contact the Digital Products Planning Grant Principal Investigators Susan S. Wood (swood@reynolds.edu) or Phil Mahler (mahlerp@middlesex.mass.edu).

Partial support for the meeting was from a Course, Curriculum, and Laboratory Improvement Grant (DUE Award #0410842) from the Division of Undergraduate Education, National Science Foundation.

Crossroads Corner...

Have you heard the news? Beyond Crossroads, Version 6.0, which is the latest draft of the AMATYC Standards 2006, made its debut in draft form at the 2004 AMATYC Annual Conference in Orlando. At a forum, two worksessions, the affiliate presidents’ lunch, the Delegate Assembly, and in numerous committee meetings and informal conversations, the draft was reviewed and discussed. At the heart of the Crossroads Revisited Project is the desire to create a written document and an initial set of digital products that will speak to YOU! The written document provides a new set of five implementation standards, accompanied by recommendations and action items, that will enable the content, pedagogy, and intellectual development standards from the 1995 Crossroads to be put into practice in YOUR courses and on YOUR campuses. The Writing Team will meet in February 2005 to address comments from the conference in Orlando and from reviews by AMATYC members and friends. Visit the AMATYC website, www.amatyc.org, and click on the link to the Crossroads page for project updates.

ANets—AMATYC Networks

Do you have an interest in the history of mathematics or some other topic? Do you want to find and interact with colleagues who share your interest? AMATYC now offers you a way to organize and network professionally with other AMATYC members who share your interest through AMATYC Networks (ANets).

An ANet may be formed if at least five AMATYC members express an interest in forming an ANet. Contact information for these members is then submitted through a form available at the AMATYC website www.amatyc.org. Once an ANet is approved by the Board it will be assigned to one of AMATYC’s eight academic committees to help with organization and to provide support to the ANet.

If you are interested in forming an ANet and need help finding others who share your interest or if you have questions about AMATYC ANets, contact Jim Roznowski, jaroznow@delta.edu.

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The AMATYC Review

The AMATYC Review invites manuscripts and reviewers. Author Guidelines and Reviewer Surveys may be obtained from the editor, Barbara Rives, Lamar State College-Orange, 410 Front St., Orange, TX 77630. Author Guidelines may also be found at www.amatyc.org/Publications/Review.
Highlights of the 2004 AMATYC Fall Board Meeting
by Irene Doo

The AMATYC Executive Board met at the Renaissance Orlando Resort in Orlando on November 14-17 and on November 20, 2004. During the meeting, the Board took the following actions:

- Approved the Outer Banks Summer Institute, Ed Laughbaum, Director, and the Grand Rapids, MI, Teacher Preparation Summer Institute, Jim Chesla, Director, for 2005.
- Changed the Student Math League Committee to a Student Math League Coordinator position. Chuck Wessell is the SML Coordinator.
- Appointed Lois Martin, Massasoit CC, and Marylynne Abbott, Ozarks Technical CC, to the Conference Program Committee.
- Reappointed Linda Laine, Hawai‘i, and Robert Baker, Montana, and appointed Darrell Minor, Ohio, as Editorial Panelists for The AMATYC Review.
- Appointed Pat Roux, Delgado CC, as Local Events Coordinator for the 2007 New Orleans conference.
- Approved the 2006 Cincinnati conference local committee: Barbara Adams, Sandy Franz, Mary Frey, Ed Gallo, Al Giambrone, Larry Gilligan, Greg Goodhart, Carol Gudorf, Mary Ann Hovis, Denise Johansen, Dane Mitchell, Rodney Null, Jesse Parette, Nancy Sattler, Bill Steenken, Deborah Woods, and Janice Hoeweler (Local Events Coordinator).
- Explained the following individuals to the Student Math League Test Development Team: Steve Yramategui, South Seattle CC; Peg Crider, Tomball College; Marilyn Treder, Rochester Community & Technical College; Mary Pearce, Wake Technical CC; and Steve Kilner, Monroe CC.
- Created a task force to review and make recommendations on the structure of AMATYC committees and support for committee chairs.
- Agreed to support the AMATYC chief representative to the ASA/AMATYC joint committee at the committee chair level for 2005 and 2006 and to recognize this committee in AMATYC publications.
- Created AMATYC Networks (ANets), to provide a mechanism for members to share similar professional interests.
- Conveyed the Board's congratulations to Barbara Rives and John Peterson for their excellent work on The AMATYC Review.

Lost and Found

An electronic device was turned into the registration desk at the AMATYC Conference in Orlando. Please contact the AMATYC Office at 901.333.4643 or amatyc@amatyc.org if you believe this might be yours.

Report on the Delegate Assembly 2004
by Irene Doo

The Delegate Assembly met on Saturday, November 20, 2004, at the Renaissance Orlando Resort in Orlando, FL. During the meeting, the delegates received reports from the treasurer, nominating committee, and AMATYC Foundation. President-Elect Kathy Mowers provided delegates with an update on strategic planning and on the conference sites for 2005-2010. The delegates also heard reports on the Crossroads Revisited project, and Project ACCCESS. Delegates voted to approve the increase in individual dues, and to set the rate for institutional dues. The position statement “Guidelines for Dual Enrollment in Mathematics” was referred back to the Program/Curriculum Issues committee for further study.

AMATYC First Timer's Session
by Rob Farinelli

Over 50 people attended this year's AMATYC First Timer's session held on Thursday, November 18, in Orlando. This was a great opportunity for first time conference attendees to network with one another, meet the AMATYC leadership, and learn how to enhance their conference experiences. Three lucky attendees also were awarded one-year memberships, courtesy of the AMATYC Board members. One of the winners, Martine Levy Nelson (Valencia CC), felt that the opening session given by Yolanda Moses was very interesting and was glad to have the opportunity to meet and learn from others. Another winner, John Salem (Edison College), believes that this AMATYC conference was the most beneficial mathematics conference he has ever attended. John even learned how to get into a workshop that was full at the first-timer's session. The third winner was Ann DeBoever from Catawba Valley CC.

AMATYC Orlando 2004
by Cliff Morris

This year's AMATYC 2004 conference appeared to be among the best according to many attendee's comments. The local team in collaboration with the national office launched many “bright ideas” that found heartfelt positive reception from our members.

We sensed strong member support for splitting the hospitality and networking room from the email cafe. More comments flowed concerning the close proximity of the various sessions and the splendid array of sandwiches in the lobby bar that permitted quick lunches between sessions. We received copious comments on the quality of the activities offered in the hospitality room and our Florida “flamingo” (among other trinkets . . . thanks to both Beth Goodbread and Sharon Griggs). Many found the sleeping rooms and hotel services exemplary. The Friday afternoon free time was wonderful.

We also found splendid support for both our Mathemagician, Arthur Benjamin, and my Siamese twin, Ignacio Bello, who fed black beans and rice to the persons attending his inspiring talk. Thanks for making this conference a memorable one.
Distance Learning Committee
by Nancy J. Sattler

When the Distance Learning Committee met in Orlando, they revisited the goals of the committee and made appropriate changes that will go to the board for approval in April.

At the fall conference, Dana Calland was appointed the chair of the Assessment Subcommittee; Jodi Cotten continues to chair the Best Practices Subcommittee, and Mary Beth Orrange continues to chair the Professional Development Subcommittee. The Distance Learning Committee is seeking a newsletter editor. If you are interested, contact the committee chair at nsattler@terra.edu.

Retention in distance courses was discussed in Orlando. AMATYC members reported that many students drop out of distance classes or do not complete the course with a grade of "C" or better. The committee would like to pursue this issue in the future. If you have any information that has been collected at your college dealing with retention of students in distance mathematics courses, or their success in subsequent courses, please pass the information on to the committee chair.

Committee members shared information about distance courses at their institutions. Courses are being broadcast through interactive TV and the Internet continues to be used as a method to deliver mathematics instruction. Now, Internet videoconferencing is helping to bridge the tremendous distances between students and the expert mathematics educators who are in short supply throughout Alaska. Are you using Internet videoconferencing in your class? If so, share your experiences with the Distance Learning Committee. The committee is interested in current practices and would like to create a larger source of resources on the DL Committee's webpage located at www.terra.edu/amatyc.

Faculty Development Committee
by Judy King

The committee enjoyed a lively, useful discussion in Orlando ranging from hiring practices, to course load, to expectations of both adjuncts and representatives of the department, and touched on other issues as well. The department/division chair colloquium will return in San Diego.

New this year to AMATYC are ANets, a somewhat loose network of individuals with a shared interest. One of the first ANets could be an ANet for international mathematics. To indicate an interest or become part of this ANet, contact Steve Krevisky, skrevisky@nmcc.commnet.edu. They are planning to have a presence in San Diego.

Working with Project ACCCESS fellows and others, Faculty Development is working on integrating new faculty into the department.

We continue to solicit opinions on position statements related to the Faculty Development Committee. Support for Professional Development, Guidelines for Internships for Two-Year College Mathematics Faculty, Academic Preparation of Mathematics Faculty at Two-Year Colleges, and The Working Conditions of Adjunct Faculty, are each available on the AMATYC website. Comments can be sent to Judy King, jking@nhctc.edu, for a report for this spring's board meeting. See you in San Diego! Let us hear from you in the meantime.

Foundation/Developmental Mathematics Committee
by Jeff Morford

The Foundation/Developmental Math Committee (F/DMC) is working on a draft position statement on the Hiring of Full-Time and Adjunct Instructors to Teach Developmental Mathematics. You can read the current version of this and other useful information at www.amatycdev.org.

The AMATYC board has also asked our committee to help find literature about helping at-risk students succeed in mathematics. If you have suggestions for resources, please email me at jmorford@hfcc.edu.

Placement and Assessment Committee
by Ed Gallo

We had a great line-up of presentations on placement and assessment at the 2004 AMATYC Conference in Orlando. In addition to regular 50-minute sessions, we had nine, 15-minute presentations in the Placement and Assessment Committee (PAC) sponsored themed session titled "Mathematics Assessment: Here's How We're Doing It." You can find information about these presentations by going to the PAC website, www.placementamatyc.org.

One of the goals of the PAC is to "Maintain visibility on the need for all AMATYC members to review the Beyond Crossroads, Version 6.0. In particular, place special emphasis on the section on Placement (in Chapter 3), Classroom Assessment (page 42), Course Assessment (page 43), and Program Assessment (page 44)." In keeping with this goal, I encourage all of you to go to www.amatyc.org to review the Beyond Crossroads document.

As a last note, PAC is working on a spring 2005 PAC Newsletter. Please send any short articles or other items that you think would be of interest to all of the PAC membership to ed.gallo@sinclair.edu, by February 11, 2005. Also, please email Jim Ham, PAC Newsletter editor, jaham@alpha.delta.edu, if you want to be on our distribution list for the PAC Newsletter or to become a member.

Program/Curriculum Issues Committee
by Ruth Collins

We certainly enjoyed seeing all of the committee members at the Orlando conference. Beautiful weather, beautiful hotel, and wonderful conversations. Watch for our new webpage linked from www.amatyc.org. Links to all three subcommittees (Faculty Issues, Statistics, and Teacher Preparation) will be located there as well as a copy of the current draft of the Dual Enrollment Position Statement. Please read this draft and provide feedback using the link located at the site. The position statement was referred back to the committee and will come up for a vote in San Diego in a revised form. Your feedback is solicited and is important.

The P/C Issues Committee continues its work on Teacher Preparation. Hope to see you all in San Diego.

Congratulations!

Nancy Sattler has been appointed to the Mathematical Sciences Education Board for a three-year term.
**Student Mathematics League**
by Chuck Wessell

For the first time ever the AMATYC Annual Conference included a Faculty Mathematics League competition. Twenty faculty members from across the country took a 15-question test modeled after the Student Mathematics League exam. The high score was recorded by T. J. Duda of Columbus State CC (OH). There was a second place tie between Timothy Swyter of Frederick CC (MD) and Anatoliy Nikolaychuk of Los Angeles City College (CA). Please look for the second Faculty Mathematics League contest at the San Diego Conference.

If your college has never participated in the Student Mathematics League and you would like to try it, your college is eligible for a free spring test. Let SML Coordinator Chuck Wessell (wessellc@durhamtech.edu) know of your interest, and a test packet will be sent to you in February, 2005.

**Technical Mathematics/AAS Programs Committee**
by Mary Ann Hovis

Members of the Technical Mathematics/AAS Programs Committee were busy during the Annual AMATYC Conference in Orlando. The themed session “Growing Mathematically Using Biotechnology” was well received by the people who attended. A big thank you goes to Lisa Seidman from Madison Area Technical College and Linnea Fletcher from Austin CC, two nationally renowned biotechnology faculty, for their time and effort in making the session a success. There was a request from those present that a hands-on session be offered next year. The biotech faculty who presented along with members of the committee will work on the idea.

One committee meeting was devoted to critiquing the Technical Mathematics section in the Beyond Crossroads document. The committee gave the section writer (who was present) for the technical mathematics area excellent suggestions on changes and updates for the section along with web resources. There were many thoughtful ideas exchanged. The other meeting dealt with normal business. It was decided to propose another themed session at the 2006 annual conference. Discussion occurred on what mathematics is required for many of the different technology areas.

Discussion will continue on email about the mathematics courses students are required to take for the different technologies. Jesse Williford has agreed to become the webmaster for the committee. Anyone interested in joining our committee, please email me at hovis.ma@rhodesstate.edu.

**Technology in Mathematics Education Committee**
by David J. Graser

The TiME Committee held two meetings at this year’s conference in Orlando. During these meetings, attendees discussed revisions to the committee’s position statements. As this goes to press, these position statements are being finalized and sent to the AMATYC Board for approval. You can view the statements at the committee’s website at http://time amatyc.org.

**Window on Washington**
by Judy E. Ackerman

Two comparative studies of the performance of high school students in mathematics were released in December. The Program for International Student Assessment (PISA), that is conducted every three years, indicated that at the secondary level the gap between the United States and other countries in Europe and Asia is widening. The second study which is conducted every four years is the Trends in International Mathematics and Science Study, or TIMSS. It too shows a sharp drop-off in high school. The results of these studies have increased the call for ensuring that students are taught mathematics by highly qualified teachers as well as for the establishment of a robust database on research in mathematics education so that informed decisions can be made about pedagogy and curriculum.

The state of mathematics education was also on the agenda at the December meeting of the Council of Scientific Society Presidents (CSSP). CSSP approved an Issue Position Statement on the need for well-qualified science and math teachers so that every student is taught mathematics and science by well-qualified teachers citing the need for a significant investment in teacher education courses and programs as well as for research related to best practices in teaching mathematics.

We cannot simply wring our hands and complain that students are not prepared. With the increasing role of two-year colleges in the preparation of teachers, our institutions need to be prepared to contribute to addressing the preparation of highly qualified high school mathematics teachers.

**Help us draft the Strategic Plan for 2006-2011.**

www.sp.matyc.org
Arizona

An AMATYC Traveling Workshop will be held on February 26, 2005 at Chandler-Gilbert CC following the spring ArizMATYC Conference. The workshop will focus on communication and pedagogy for the Math for Elementary School Teachers classes. Representatives from all of the community colleges and universities in Arizona are being sought for attendance in this workshop. New membership is still a prime objective of ArizMATYC and newly recruited members are taking advantage of ArizMATYC’s website, newsletter, and discussions on the ArizMATYC list serve.

The new ArizMATYC officers are president, Dan Russow (Arizona Western College); president-elect, Shay Cardell (Central Arizona College); secretary, Jennifer Jameson (Coconino CC); and treasurer, Anne Dudley (Glendale CC).

California

On October 2, 2004, CMC³-South had its Fall Miniconference at Crafton Hills College, in Yucaipa, CA. Sherri Wilson and her Crafton Hills College team organized a superb conference around the theme of Student Learning Outcomes, in view of the new Western Association of Colleges and Colleges accreditation standards.

CMC³-South turns 20 years old this year, and will celebrate this landmark with the 2005 Spring Conference, “Score One for Math: Twenty Years of Excellence,” March 4-5, 2005. The keynote speaker for the conference will be Ed Burger, from Williams College.

Georgia

Congratulations to Gina Reed, Gainesville College in Gainesville, GA, who was chosen the first recipient of the GMATYC Teaching Excellence Award. She was presented the award at the spring meeting of GMATYC in February 2004. Gina is an exceptional teacher who is always looking for opportunities to incorporate new ideas, techniques, and technology in teaching.

GMATYC thanks Calandra Davis, webmaster for GMATYC, who has done an outstanding job creating a new “look” for the GMATYC website, and Susan White, the new editor for the GMATYC newsletter. You can visit GMATYC at www.gmatyc.org.

Minnesota

On October 21, MinnMATYC hosted an AMATYC Traveling Workshop which focused on probability and statistics for teachers of future teachers. Approximately 25 faculty from around the state attended the six-hour workshop at Normandale CC. The presenters, Mercedes McGowan and Darlene Whitkanack, kept everyone very busy as we examined various problems from many levels. Our thanks go to Peggy Rejto, Normandale CC, for organizing this successful event.

Illinois

Lisa Benson has been promoted to Dean of Instruction at Olney CC.

Louisiana/Mississippi

The Sixth Annual Conference of LaMSMATYC was held at Delgado CC, City Park Campus, on September 24-25, 2004. Milton Vavasseur, Delgado CC, served as Chair. New officers for 2004-2005 are president, Susan W. Santolucito (Delgado CC); LA vice president, Darlene Frederic (Delgado CC); MS vice president, Pat Shaw (MSU); secretary, Gloria Hernandez (LSU Eunice); and treasurer, Pat Cox (Delgado CC). The conference was dedicated to the memory of Freda Cadow Ducorier, a past LaMSMATYC president, who passed away on August 28, 2004.

Jeanne Gagliano and Carol Juncker, Delgado CC, were nominated for the “Seymour Weiss Excellence in Teaching Award” and were recognized as NISOD Excellence Awards Recipients for 2003-2004.

Maryland

On November 4, 2004, Frederick CC hosted its 3rd Annual Differentiation Bee. It was a 4-1/2 hour marathon, as 21 students competed for first place. The problems were tough, and tension was high. There were door prizes and pizza to entertain the audience as they watched the competitors sweat. It was a great turnout and a good time was had by all. The Bee is sponsored by the FCC Math Club with help from the Mathematics Department.

The annual MMATYC meeting was held on January 13, 2005, at Cecil County CC. The AMATYC Teacher Prep grant provided a six-hour workshop on the first course in teacher prep. The presenter was Ruth Collins.

Michigan

At its fall conference at Grand Rapids CC, MichMATYC presented its Teaching Excellence Award to Gladys Rockind of Oakland CC, Auburn Hills Campus.

North Carolina

NCMATYC is beginning a curriculum review of all math courses listed in the Common Course Library (NC Community College System). At the present time, committees are concentrating on four courses by studying present course descriptions and making suggestions for changes. Marjorie Gross, Carteret CC, Cyrus McCarter, Wake TCC, Lee Ann Spahr, Durham TCC, and Teresa Sink, Davidson CC, will serve as chairs of the four committees. In addition, the committees are creating competencies for these courses. Drafts of committee suggestions will be presented for membership discussion at the annual conference in Durham in March 2005. Final documents will be sent to the NCCCS for approval.

Martin Lancaster, president of the North Carolina Community College System, is scheduled to be the keynote speaker at the spring conference in Durham on March 10-11.
Ohio

Jesse Parete received the Community College Board of Trustees 2004 Teacher of the Year Award.

During its fall meeting at Raymond Walters College, OhioMATYC awarded three student scholarships.

Oklahoma

On September 25, 2004, OKMATYC held its fall meeting at Seminole State College in Seminole, OK. Brenna Bellovich of Tulsa CC demonstrated a new tool that allows an instructor to post hand written comments on a website. Jay Malmstrom of Oklahoma City CC used counting tiles to demonstrate cognitive issues in developmental math.

Oregon

Clackamas CC is in the second year of teaching a new math course for nursing students and medical assistant students. It is entitled “Math for Health Care Professionals.” It consists of calculating medical dosages. For more information on this course, contact Kathy Taylor at ktaylor@clackamas.edu.

Ilga Ross, former AMATYC Board Member, is retiring from Portland CC after 21 years of service.

Tennessee

This year AMATYC awarded free Traveling Workshops on Teacher Preparation to five affiliates, and TMATYC was one of the lucky recipients. The topic for the upcoming workshop is “The 1st Course: Pedagogy and Communication,” and the presenters are Zoe Pine from Northeast State CC in Tennessee and Joyce Lindstrom from St. Charles College in Missouri. The workshop will be held on the Chattanooga State Technical CC campus on Saturday, February 26.

Texas

The TexMATYC board is reviewing results of its recent survey to determine how to serve their members. Since August, membership is up by approximately 80% and approximately 35 campus representatives have been established as points of contact. For more information on the survey, contact Linda Zientek, TexMATYC president, at lzientek@blinn.edu. TexMATYC recently established a listserv to facilitate communication. One important use of the listserv was to issue an open invitation to faculty to submit proposals to the newsletter on innovative teaching ideas.

Virginia

VMATYC, through funds shared from a CCHE grant to J. Sargeant Reynolds CC, offered to pay the AMATYC Conference registration for members who would attend the conference to focus on Teacher Preparation and present a related session at the VMATYC Spring Conference. Claude Moore (Danville CC), Teresa Hudson (Southside CC), P.J. Malachias (Reynolds CC) and Sandie Dashell and Krystyna Karminska (Thomas Nelson CC) were selected.

Washington

Lower Columbia College received a Title III grant. Part of this grant will be applied towards developmental mathematics. For more information, contact Carol Flakus at cflakus@lcc.ctc.edu.

Work continues on Washington’s Transition Math Project. This project aims to help make high school graduates better prepared for college-level mathematics courses. WAMATYC members have been actively involved from the outset of the project. For more information, contact Mike Kenyon at mkenyon@yvcc.edu.

Wisconsin

George Alexander was elected WisMATYC president at the affiliate’s spring meeting.

See Calendar on page 10 for specific conference information. Due to space limitations, not all news submitted may have been printed.

Call for Articles on Teaching

If you are doing something exciting and innovative in the classroom, please consider sharing your experiences by submitting an article to the AMATYC News. Send articles to the editor, Jean Woody, at jeannwoody@cox.net.

Providing Direction for AMATYC

At the 2004 Conference, members had the opportunity to meet at a forum to discuss the Strategic Plan for 2006-2011. In addition, more than thirty of your colleagues took about an hour out of their busy conference schedule to meet in focus groups. The groups brainstormed ideas to provide direction for the future of AMATYC. All the input was greatly appreciated.

Now it’s your turn. The draft of the Strategic Plan for 2006-2011 can be read at www.sp.matyc.org. Comments and ideas (small, big, or monumental) can be submitted at the site or by an email to Kathy.Mowers@kctcs.edu.
The American Statistical Association and the American Mathematical Association of Two-Year Colleges share the common goal of improving statistics education. Toward that end the Joint ASA/AMATYC Committee was created in 2003.

Brian Smith is the first chair and is joined on the committee by AMATYC representatives John Climent and Mario Triola, and ASA representatives Mary Parker, Robert Delmas, and Mary Sullivan.

The committee organized a Statistics Education Symposium that was held at the 2004 AMATYC Annual Conference. Roxy Peck led a session entitled “Teaching Introductory Statistics: Guidelines, Examples, and Resources,” at which she presented the new Guidelines for Teaching Introductory Statistics courses. She followed up her initial presentation with a hands-on workshop. Both presentations were well attended and enthusiastically received by an appreciative audience. Brian has established a list of AMATYC members who are interested in being informed about the work of the Joint Committee.

Committee members attending the AMATYC conference informed participants about current projects in statistics education, including CAUSE, GAISE, TEAMS, and ARTIST. (See www.causeweb.org). Information was provided on the upcoming United States Conference on Teaching Statistics (USCOTS) to be held May 19-21, 2005, at Ohio State Univ.

The joint committee has been asked to develop an ARG for Beyond Crossroads. Former ASA President Richard Scheaffer has agreed to be part of the group. In a similar vein, Joan Garfield has asked that the joint committee work with AMATYC to gain their endorsement of the Guidelines for Teaching Introductory Statistics.

The joint committee is proposing that statistics be a topic for an AMATYC summer institute in 2006.

**AMATYC Calendar of Events**

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

**February 18-19, 2005 TexMATYC/TCCTA Conference**, Renaissance Hotel, Austin, TX. Contact: Linda Zientek, lzientek@blinn.edu. Website: www.texmatyc.org

**February 18-19, 2005 GMATYC/18th Annual Georgia Perimeter College Mathematics Conference**, Georgia Perimeter College-Lawrenceville Campus, Lawrenceville, GA. Contact: Kimberly Bennekijn, kbennekijn@gpc.edu

**February 25, 2005 ArizMATYC Spring Conference**, Chandler-Gilbert CC, AZ. Contact: Daniel Russow, daniel.russow@azwestern.edu

**February 26, 2005 MinnMATYC’s Second Annual Future Teachers Conference**, Minneapolis CTC, Minneapolis, MN. Contact: Tara Evensen-Daas, chatelev25620@aol.com

**March 3-4, 2005 OKMATYC/OACC Meeting**, Westin Hotel, Oklahoma City, OK. Contact: Jay Malmstrom, jmalmstrom@okccc.edu

**March 4, 2005 ColoMATYC Conference**, Red Rock CC. Contact: Rick Reeves, 303.914.6400, reeves.rick@rrcc.edu

**March 4-5, 2005 CMC®-South Spring Conference**, Contact: Rich Zucker, rzucker@ivc.edu

**March 10-11, 2005 NCMATYC Annual Conference**, Durham Technical CC, Durham, NC. Contact: Jan Mays, jmays@elon.edu

**April 1-2, 2005 VMATYC Annual Meeting**, J. Sargeant Reynolds CC, VA. Contact: Linda Taylor, ltaylor@nvcc.edu

**April 1-2, 2005 OhioMATYC/Teachers Teaching with Technology® Regional Conference**, Rhodes State College, Lima, OH. Contact: Rodney Null, nullr@rhodesstate.edu

**April 7-9, 2005 MOMATYC Conference**, Lake of the Ozarks, MO. Contact: Russell Murray, 314.984.7470, rmurray@stlcc.edu

**April 8, 2005 NEBMATYC Spring Conference**, Scottsbluff, NE. Contact: Connie Bulfer, cbuller@mcneeb.edu

**April 8-9, 2005 Joint PSMATYC and WVMATYC Meeting,** CC of Allegheny County-Boyce Campus, PA. Contact: Rob Farinelli, rfarinelli@ccac.edu

**April 9, 2005 MATYCJN Spring Meeting,** Passaic CC-Wayne Campus, NJ. Contact: Arlene Rogoff, rogoff@ucc.edu

**April 9, 2005 SOCAMATYC Spring Meeting,** Trident TCC, Columbia, SC. Contact: Jerry Marshall, gmarschal@ctc.edu

**April 14-16, 2005 IMACC Conference,** Allerton House, Monticello, IL. Contact: Marybeth Beno, mbeno@southsuburbancollege.edu. Website: www.imacc.org

**April 21-23, 2005 19th Annual ORMATYC Conference**, Lincoln City, OR. Website: www.ormaty.org

**April 22-23, 2005 4th Annual TMATYC Conference,** Pellissippi State Technical CC, Knoxville, TN. Contact: Angela Everett, angela.everett@chattanoogastate.edu. Website: www.tm.matyc.org

**April 29-30, 2005 16th Annual MinnMATYC Conference,** Duluth, MN. Contact: Keven Dockter, kdocte@inverhills.edu Website: www.minnmatyc.org

**May 5-7, 2005 WAMATYC/Washington State CC Math Conference,** Ocean Shores, WA. Website: www.highline.edu

**Need a Sabbatical Project?**

Do you have a sabbatical coming up? Are you recently retired and looking for an interesting project to work on? Members on sabbatical or retired members are encouraged to work with AMATYC to make a difference and to advance its mission and goals through a “Consulting Professor” position.

Your project should be of interest to you, be useful to AMATYC, and be designed so you can accomplish it from your home or college. While your project will be unique, you should have full-time sabbatical leave from your institution for at least one quarter or semester, commitment to the completion of an agreed upon project that can be completed without relocation within the time allotted for the leave, and active membership in AMATYC. AMATYC will provide technical and secretarial support for the approved project.

Interested? Send a statement of interest, an outline of your project, and a resume to Cheryl Cleaves, AMATYC Executive Director of Office Operations, Southwest Tennessee CC, 5983 Macon Cove, Memphis, TN 38134. The material may also be emailed to ccleaves@southwest.tn.edu or faxed to 901.333.4651.
Helen Kluk

Helen Kluk, professor of mathematics at Seminole CC, Sanford, FL, is the 2003 Teaching Excellence Awardee for the Southeast Region. Martha moved to SCC after teaching at Piedmont Virginia CC in Charlottesville, VA. At SCC Martha teaches all courses in the calculus sequence from College Algebra through Differential Equations. She also teaches Statistics and Concepts of Calculus. Martha has written the following:

Reflections of a TE Award Winner

For as long as I can remember, being a teacher was always my dream. In first grade, when all the other little girls wanted to be nurses, I wanted to be a teacher. A pair of excellent junior high and high school algebra teachers narrowed that goal to being a math teacher. Even in college, when a calculus professor tried to talk all the women math majors into studying something else (yes, he could do that in 1969), I stayed true to my dream. And now, after 34 years of teaching math, I am still just as excited about teaching as I was when I first started. For me, receiving the AMATYC Teaching Excellence Award represents a very special milestone in my career. We are members of a profession that is frequently criticized, rarely praised, and often underpaid and unappreciated. It is rewarding to realize that my colleagues as well as my students feel that I have in some way made a difference that is worth recognition.

As a math teacher, one huge frustration comes from trying to get my students to appreciate the mathematics I am teaching them. We’ve all heard the “why do we need to learn this?” complaint from our students. I often tell my students that I am not trying to make them all into math majors; rather, I just want them to appreciate the subject and see its usefulness. Making the subject real to them has always been one of my major goals as a professor. Granted, it takes some time on my part to scour the newspapers and the Internet to find interesting applications to share with them, but it is time well spent when my students actually admit they enjoyed my class and can see how the math is actually used!

Future AMATYC Conferences

- 2005: San Diego, November 10-13
- 2006: Cincinnati, November 2-5
- 2007: New Orleans, November 15-18
- 2008: Washington, D.C., November 20-23

Fulbright Scholars in China

by Annie Han and Michael George

Enlightening seminars, distinguished speakers, stimulating discussions, unforgettable historical sights, elegant math lessons, excellent food, warm friendships, and pleasant memories—all these and more are legacies of the Borough of Manhattan CC-CUNY Fulbright-Hays Group Project Abroad Program: Short Term Seminar in Chinese History of Mathematics. Mathematics professors Annie Han, Nkechi Agwu, Sandra Boer, Dwight Perrier, Jean Richard, Michael George, Leonid Khazanoy, and Claire Wladis from BMCC and four New York City math teachers and educators under the BMCC Fulbright-Hays Grants spent four weeks in China during summer 2004.

The Fulbright participants traveled to Beijing, Inner Mongolia, Xian, Shanghai, Hangzhou, and Suzhou, visiting 15 institutions and schools. They had the privilege and honor of receiving many lectures on the history of Chinese mathematics from ten of China’s most distinguished mathematicians. The presentations covered topics from China’s most ancient (~2000 BC) calculating device, the counting rod, to 17th century Qing dynasty Chinese-Mongolia mathematician, astronomer and topographer Antu Ming, the first person to measure the entire Chinese territory, the first Chinese mathematician to calculate infinite series, and the first mathematician in the world to formulate Catalan numbers. The group had the rare opportunity to see counting rods and the abacus used in action by experts, as well as to see and photograph several important texts that would be unobtainable in the United States.

The Fulbright group observed four math lessons at three elementary schools in Shanghai and Beijing. The lessons were extraordinarily ambitious and successful in their innovative approach to creative mathematics teaching and learning. The overall pedagogical strategy was impressively cutting-edge and the extraordinarily well-behaved students seemed to enjoy the lesson and the presence of their American guests. After each class observation, the Fulbright participants had the pleasure of dialoguing with the elementary math teachers and math educators from China.

During the four weeks in China, the Fulbright participants visited more than 20 historical sights, museums, libraries, and famous mathematicians’ special collections. They had privilege and honor to meet with two of the most distinguished scholars of Chinese mathematics history alive today, Professors Shen Kangshen, primary author of The Nine Chapters on the Mathematics Art, and Professor Li Di author and co-author of over fifty books on the history of Chinese Mathematics. Professor Shen autographed his The Nine Chapters on the Mathematics Art book for Annie Han, the leader of the Fulbright group. Professor Li graciously received the group in his apartment, the two main rooms of which were lined wall-to-wall with texts, many of them over a hundred years old, on the history of mathematics, physics, astronomy, medicine, philosophy, and more. Also on display were several antique counting artifacts and puzzles. It was a wonderful experience to see the inside of a Chinese apartment, especially one housing the works and person of such a great man.

All in all it was an impressive and unforgettable experience.
Dates To Remember!

Last Call for Presenters & Presiders
Deadline: February 1, 2005

Call for Nominations for AMATYC Office
Deadline: February 1, 2005

Call for Nominations for Mathematics Excellence Award
Deadline: November 1, 2005

AMATYC Seeks Publicity Director

The AMATYC Publicity director has an important role in vigorously pursuing AMATYC publicity opportunities, overseeing press releases and maintaining an AMATYC media kit. The term of appointment is three years and will conclude at the end of the 2007 AMATYC Annual Conference. If you are interested in getting more involved in AMATYC, this might be an interesting way to do it!

This is a volunteer position. The individual should be adept at email and word processing and be a get-it-done individual not requiring close supervision. No prior directly-related experience is necessary.

Individuals who wish to be considered for this position should send electronic application materials to Judy Ackerman, judy.ackerman@montgomerycollege.edu by February 21, 2005. Applications will be considered after that until the position is filled. Questions concerning the nature and demands of this position may be directed to Judy. Application materials are a letter of interest indicating experience that might be related to this position, a resume, and one reference addressing professional project work experience.

We make a living by what we get, but we make a life by what we give.
Winston Churchill

Jean Woody, Editor
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