

NEWS

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



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PROJECT ACCESS ACCEPTS A SECOND COHORT AND CONTINUES WITH ITS FIRST COHORT

Project ACCESS (Advancing Community College Careers: Education, Scholarship, and Service) is pleased to announce that the following applicants have been accepted as ACCESS Fellows for 2005-06.

Anoop Ahluwalia, Brookdale CC, NJ
 Judith Atkinson, Univ of Alaska, AK
 Andrea Bell, Linn-Benton CC, OR
 Kirk Bradley, Lake-Sumter CC, FL
 Greg Cripe, Spokane Falls CC, WA
 Jeffrey Downs, Western Nevada CC-Fallon, NV
 James Eby, Blinn College, TX
 Marcial Echenique, Broward CC, FL
 Barbra Gregory, Catawba Valley CC, NC
 Ming-Lun Ho, Chabot College, CA
 Vera Hu-Hyneman, Suffolk County CC, NY
 Mohammad Hussain, Hartnell Col, CA
 Cynthia Keune, Las Positas College, CA
 John Knudson, Seattle Central CC, WA
 Kathryn Leed, Lorain County CC, OH
 Brigitte Martineau, Monroe CC, NY
 Angela Martinek, Linn-Benton CC, OR

Curtis Mitchell, Greenfield CC, MA
 Wendy O'Hanlon, Illinois Central College, IL
 Lourdes Pajo, Pikes Peak CC, CO
 Kristin Ramsey, Columbus State CC, OH
 Kumars Ranjbaran, Mountain View College, TX
 Karen Rendon, Univ of Texas-Brownsville &
 Texas Southmost College, TX
 Jean William Richard, Borough of Manhattan CC, NY
 Marianne Rosato, Massasoit CC, MA
 Amber Rust, College of Southern Maryland, MD
 Anne Schalda, St. Louis CC, MO
 Charlotte Schulze-Hewett, Univ. of Wisconsin Colleges-
 Rock County, WI
 Sarah Stanley, Western Wyoming CC, WY
 Thomas Scott Sundquist, Normandale CC, MN
 Paula Thonney, Brookdale CC, NJ
 Sydeaka Watson, Delgado CC, LA

This diverse group of 32 faculty will attend the first of their two consecutive AMATYC national meetings in San Diego where they will participate in specially developed conference workshops as well as regular conference activities. Through the many ACCESS activities, these Fellows will gain knowledge of the culture and mission of the two-year college and its students, and acquire familiarity with the scholarship of teaching.

Joining the new cohort of Fellows are the 28 returning ACCESS Fellows for whom San Diego will be the second of their two AMATYC conference experiences. During the past year the returning Fellows have attended a MAA Section meeting, as well as worked at their colleges on individual projects focusing on their teaching. In a mid-year survey conducted by the project evaluator, most of the returning Fellows indicated that their projects have had a positive impact on their teaching and on their students' learning. Most Fellows think that the overall experience with Project ACCESS has led to doing a better job explaining mathematical concepts and to using group work more successfully than in the past.

Both AMATYC and MAA welcome the new cohort and congratulate the returning cohort on a successful year as ACCESS Fellows.

Project ACCESS, a professional development and mentoring program for new two-year college mathematics faculty, is funded by a grant from ExxonMobil Foundation and is jointly sponsored by AMATYC and the MAA.

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JUDY E. ACKERMAN
MONTGOMERY COLLEGE
ROCKVILLE, MD

One of the things that I've been thinking about lately is how we are going to recruit and hire talented, eager mathematics faculty to take the place of the large number of faculty who have just retired or are about to retire. My concern is not limited to full-time faculty. This is not just a local happening at my college, but is a function of the first wave of baby boomers starting to retire. The CBMS 2000 survey indicates that in the year 2000, the average age of full-time permanent two-year college mathematics faculty was 47.6 years, with 47% of them 50 years old or older. Next year we'll have an update on the demographics of two-year college mathematics faculty when the CBMS 2005 survey is released.

Where are we going to find the new full-time faculty that we will need? Maybe a look at how many of us came to teaching mathematics at a community college will shed some light on this. Did you know that you were going to grow up to become a community college mathematics professor? I know that I didn't. My plans were to teach in a mathematics education program at a four-year college or to work as a mathematics coordinator in a school system. I dropped in at a community college for what was supposed to be a two-year stay before moving from the area and moving on to something else. The two years became a career!

Each time that there were opportunities to move to a four-year college I agonized over whether I should stay or go. But ultimately the decision came down to the satisfaction of being there for students who needed the opportunities that community colleges provide. As community colleges have become active in teacher preparation, I feel as if I have come full circle to some of my earlier plans.

I've also found that very few of my colleagues planned to teach at a community college. Some started as secondary mathematics teachers, others worked in industry and wanted to do something with more interaction with people, and a few others started as researchers at universities and wanted to teach.

We need to be on the lookout for potential mathematics faculty everywhere including our own mathematics classrooms. In the March 2005 President's Corner I suggested that we should encourage our students to consider careers as community college mathematics faculty and said, "If we don't tell them what a good profession this is and how to get there, who will?" Please look at your students as potential teachers and encourage those with even the smallest interest. If your college is near universities with graduate programs in mathematics or mathematics education, be sure to send them information about two-year college mathematics, and offer to speak about job opportunities at two-year colleges.

Recruiting and hiring new mathematics faculty is not enough. We need to ensure that they are supported through new faculty orientation, mentoring, and professional development. The many professional development opportunities offered by AMATYC through Project ACCESS, the annual conference, summer institutes, and traveling workshops are accessible to faculty at all stages of their careers. It goes without saying that we should encourage them to be involved in professional organizations like AMATYC and its affiliates. Once again, think about how you got involved. It was most likely because someone invited you to go to an affiliate meeting or conference. Please extend a hand to your new colleagues.

In closing this, my last President's Corner, I want to thank all who have contributed to the success of AMATYC during the past two years. This includes the 2003-2005 Executive Board, Committee Chairs and their committees, the Conference Committee, Editors of *The AMATYC Review* and the *AMATYC News*, Directors, Coordinators, AMATYC Office staff, Affiliates, and you, our members. My heartfelt appreciation and thanks to the other two-thirds of the presidential team, Phil Mahler,

Past President and Kathy Mowers, President-Elect. They both do so much for AMATYC and have been so helpful in ensuring that the work of AMATYC gets done.

When I pass the gavel to Kathy Mowers at the closing session of the annual conference in November, I will retain some very special memories that were created during the two years that I served as your president. I look forward to seeing many of you in San Diego for what is sure to be a sensational conference.



Judy Ackerman
President

Kathy Mowers
President-Elect

Phil Mahler
Past President

Irene Doo
Secretary

Tom Adamson
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For additional information or to join AMATYC, visit www.amatyc.org

CALL FOR PRESENTERS & PRESIDERS 2006 CONFERENCE IN CINCINNATI

by Wanda Garner, Program Coordinator

Consider sharing your expertise as a two-year college faculty member during the 2006 AMATYC Annual Conference in Cincinnati as a speaker, a presider, or both. The conference theme will be "Keeping Current with the Standards." **Speaker and presider proposals will be accepted online via the AMATYC website at www.amatyc.org from November 1, 2005, through February 1, 2006.**

Since AMATYC's updated standards document, *Beyond Crossroads*, is scheduled to be released at the 2006 conference, proposals that reflect the recommendations in that document or that illustrate successful implementation of aspects of the original *Crossroads* are particularly encouraged. Consider proposing a session that focuses on the *Beyond Crossroads* implementation standards for learning and the learning environment, assessment of student learning, curriculum and program development, instruction, and professionalism. A draft copy of *Beyond Crossroads* may be downloaded from the AMATYC webpage. Proposals are reviewed and rated by the Program Committee with attention to the appropriateness for mathematics educators in the first two years of college and overall topic balance of the program. Proposals from faculty and other professionals currently engaged in two-year college education are especially encouraged.

Two presentation formats are available: 50-minute sessions and 2-hour workshops. Presentations may involve single or multiple presenters and must not promote or sell a commercially available product. Sessions may range from active attendee participative sessions to lecture or panel discussion format. The two-hour format is very competitive and is reserved for workshops. These must include active attendee participation, an in-depth treatment of a topic, and substantial handouts. Please be as flexible as possible regarding the days you are willing to present and please limit your equipment requests to only that which is absolutely necessary.

- ❖ **Submission deadline is February 1, 2006**
- ❖ **Online submissions only, please**

HONOR A COLLEAGUE: THE 2006 MATHEMATICS EXCELLENCE AWARD

by Philip Mahler, Chair, ME Award Committee

Deadline November 1, 2005

[www.amatyc.org/awards/
MathematicsExcellenceAward.htm](http://www.amatyc.org/awards/MathematicsExcellenceAward.htm)

You honor your colleague when you nominate them for the AMATYC Mathematics Excellence (ME) Award, which recognizes educators who have made outstanding contributions to mathematics or mathematics education at the two-year college.

Nominations must be received by the committee chair by November 1, 2005. For complete details visit the webpage cited above.

A nomination consists of a resume, not to exceed three pages (excess pages are not considered), and three letters in support of the nomination, including the letter of nomination. No other materials will be considered. Submittals are sent to the Mathematics Excellence Award Committee Chair. The letters should address the nominee's accomplishments within each of the criteria.

Award criteria are national reputation, leadership and activities in professional organizations, professional talks and presentations, awards and grants received, publications, professional activities on a regional, state, and national scale, teaching expertise, and other contributions to mathematics and/or mathematics education.

Nominees are rated based on the criteria, by the ME Award Committee, which consists of a representative from each of the eight AMATYC regions.

FINAL DRAFT OF *BEYOND CROSSROADS* NOW AVAILABLE!



The Final Draft of the *Beyond Crossroads* written document is now available at the AMATYC website, www.amatyc.org. In addition to numerous Section Writers and Contributing Writers and others deeply involved in the project, many thanks to the hundreds of AMATYC members who provided broad-based feedback on the document in its numerous earlier drafts. You can submit editorial comments until December 1 on the Final Draft (numbered Version 7.0) by visiting www.bc.matyc.org. The Delegate

Assembly at the 2005 AMATYC Annual Conference in San Diego will be asked to endorse the philosophy and spirit of the *Beyond Crossroads* written document.

Helping to wrap up the Final Draft were the Writing Team Chairs, Digital Product Planners, and Planning Team who met in mid-August at Montgomery College (MD), hosted by AMATYC President Judy Ackerman.

Be sure to attend the various conference events related to *Beyond Crossroads*: a session for department chairs on Thursday afternoon, two forums on Thursday evening (one on the written document and one on digital products), Implementing the Standards sessions on Friday and Saturday, and a Digital Products worksession on Saturday. Hope to see you at one or more of these events!



Beyond Crossroads Writing Team Chairs, Digital Product Planners, and Planning Team meet at Montgomery College (MD) in mid-August 2005.



THE 2005 AMATYC OUTER BANKS SUMMER INSTITUTE DEVELOPMENTAL ALGEBRA USING A FUNCTION APPROACH

by Ed Laughbaum

The resort area of the Outer Banks of North Carolina was again the location of the seventh annual AMATYC Outer Banks Summer Institute held June 12-17, 2005, at the Army Field Research Facility (FRF) in Duck, NC.

The "Developmental Algebra Using a Function Approach" short course was taught by Debbie Crocker (Appalachian State Univ), and Institute Director, Ed Laughbaum (The Ohio State University), both former two-year college math teachers. The Institute is a cooperative effort between AMATYC and the Teachers Teaching with Technology College Short Course Program, www.math.ohio-state.edu/~shortcourse/, based at The Ohio State University. The course was attended by 38 algebra teachers from sixteen states (18 from two-year colleges, 9 from four-year colleges/universities, and 11 from high schools).

The Field Research Facility and Army Pier, www.frf.usace.army.mil, provides opportunities for teachers to learn more about a function approach because of the wealth of data relationships found there. That is, in teaching algebra from a function approach, we start with function relationships in numeric form, and the FRF provides the facilities by which we can collect



Class members get the full tour of the FRF.

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MATH ACROSS THE COMMUNITY COLLEGE CURRICULUM SUMMER INSTITUTE

by Deann Leoni

The Sleeping Lady Retreat Center in the foothills of Washington's Cascade Mountains was the perfect setting for the Mathematics Across the Community College Curriculum (MAC³) Summer Institute on August 9-12. Forty-eight faculty from twelve institutions, sixteen disciplines, and seven states attended this event in Leavenworth, WA, to integrate mathematics into their curricula.

The institute participants worked in interdisciplinary teams to create curriculum integrating mathematics and/or quantitative reasoning into Adult Basic Education, Accounting, Anthropology, Biology, Business, Ceramics, Chemistry, Computer Science, Drafting, Economics, Engineering, English, Environmental Science, ESL, Gerontology, Music, and Reading.

This institute, funded by the Department of Education through Edmonds CC, was the first event of the new MAC³ national dissemination project led by AMATYC and in partnership with Edmonds CC, Miami Dade College, and Seattle Central CC. The institute was based on previous Math Across the Curriculum Summer Institutes hosted by faculty from Edmonds CC and funded by the National Science Foundation. The remainder of the MAC³ project will be funded by the National Science Foundation (DUE-0442439).



Stacy Jones, Shelly Tims, Wayne Ferguson, and Charlotte Alexander from Northwest Mississippi CC worked on projects incorporating mathematics into chemistry and drafting.

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THE AMATYC TEACHER PREPARATION SUMMER INSTITUTE 2005 EXPLORING STATISTICAL REASONING AND PROBABILITY FOR TEACHERS OF PRESERVICE ELEMENTARY TEACHERS

by Jim Chesla



A total of 17 community college instructors representing six states navigated the construction that surrounded Grand Rapids CC this summer to attend the Summer Institute. We enjoyed a course that was presented by David Coffey from Grand Valley State Univ. Dave provided classroom materials that motivated genuine academic discussions and provided learning opportunities and activities that teachers will be able to incorporate into their classrooms. The institute featured many activities that emphasized the importance of teaching mathematics as a process rather than teaching it as a product. The teachers of teachers gained a greater understanding

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BEYOND CROSSROADS DIGITAL PRODUCTS PLANNERS APPOINTED

The *Beyond Crossroads* Project Directors are pleased to announce the appointments of the first four Digital Products Planners. The planners will develop digital products to enhance and extend the message of *Beyond Crossroads*. The first four digital products will be released in November 2006 with the *Beyond Crossroads* written document. The Planners will be introduced in alphabetical order.

Norma Agras, *Beyond Crossroads* Outreach Kit Planner, has been active in efforts to review and revise curriculum since 1994. She is one of the collaborative authors of *Explorations in College Algebra* as well as a section writer for *Beyond Crossroads*. She is the Project Director for Developmental Mathematics: A Plan for Florida's Community Colleges, the originator and organizer for Mathematics in the Sun Annual Retreat for the State of Florida, and a member of the MAA's Committee on the Profession (COTP) and the Curriculum Revision Across the First Two Years (CRAFTY) committee. Norma has facilitated workshops and given talks at national meetings of MAA, AMATYC, ICTCM, as well as at state meetings. The recipient of an Endowed Teaching Chair (1992-1995), she has been a teaching faculty member and is now department chair at Miami Dade College, Wolfson Campus. Norma will be preparing materials for faculty to use to disseminate *Beyond Crossroads*.

David Graser, *Beyond Crossroads* Live Editor, has been active in AMATYC since 1998 when he presented at his first AMATYC conference. Since 1998, David has given presentations involving technology and its use in the mathematics classroom at ICTCM, state affiliate meetings and the national AMATYC conference. For the past two years he has served as the Technology in Mathematics Education (TiME) Committee Chair. During the past summer, David organized a workshop on project-based learning for adjunct faculty and local high school teachers at Yavapai College. He currently serves as department chair at Yavapai College in Northern Arizona. David will be preparing the online version of *Beyond Crossroads* and the website it will reside on.

Rebecca Hartzler, *Beyond Crossroads* Quantitative Literacy/Mathematics Across the Curriculum Digital Product Planner, has been active in these areas for a number of years. She held a position at the Univ of Washington as a research analyst studying the quantitative reasoning (QR) needs and requirements of undergraduate students. She's collected effective and rigorous resources for faculty who wished to make the quantitative dimensions of their disciplines more explicit in their courses. She has taught undergraduate physics at Washington community colleges and is a principal investigator or co-principal investigator on several National Science Foundation (NSF) and Department of Education grants. Rebecca is planning materials designed to help faculty introduce quantitative literacy and mathematics across the curriculum into their own departments and colleges.

Margie Hobbs, *Beyond Crossroads* Assessment Digital Product Planner, served as a Section Writer for the Assessment Chapter of *Beyond Crossroads*. Margie is Associate Director of Institutional Research and Assessment at The University of Mississippi, having also worked for many years at Southwest Tennessee CC, the home of the AMATYC office. She has co-authored several mathematics textbooks, served as mathematics coordinator for a Title III grant, directed two Eisenhower Grants for high school algebra teachers, and scripted and performed in more than 200 instructional videotapes for developmental mathematics. Many of you know Margie well—she has served AMATYC in a number of capacities, including her current role as Conference Coordinator extraordinaire. Margie will be planning materials to expand on and illuminate the Implementation Standard on Assessment.



The Digital Product Planners, from left to right, are Norma Agras, Rebecca Hartzler, Margie Hobbs, and David Graser.

Outer Banks, Continued from page 4

basic function data through the use of the CBL2™, education.ti.com, and the Vernier Sensors, www.vernier.com, in the classroom, on the 120 foot tower, the beach, the pier, surf, and water. Analysis of function behaviors continues as we look at the visual and symbolic representations, and geometric characteristics. The function approach continues by using functions and function behaviors to teach a revised and re-ordered traditional "looking" algebra curriculum.

For more information on using the function approach to teach developmental algebra, please see articles and presentations posted at www.math.ohio-state.edu/~elaughba/.

MAC³, Continued from page 4

Future components of the MAC³ project include summer institutes, winter institutes, presentations at AMATYC affiliate meetings, dissemination of the project at national conferences, a new strand of AMATYC traveling workshops, and a website including resources available to faculty. More information on the MAC³ project can be found on at www.mac3.amatyc.org or in the display area at the AMATYC Annual Conference in San Diego. The MAC³ coordinators will also be giving a presentation on the project in San Diego on Friday at 3:30 p.m. For additional information, contact the project directors at mac3@amatyc.org.

ASA/AMATYC JOINT COMMITTEE

by Brian Smith

The Joint Committee is pleased to report that its workshop planned for November 8-9 at the Town and Country Resort in San Diego has met with an enthusiastic response. The workshop, entitled **Preparation of Two-Year College Mathematics Instructors to Teach Statistics with GAISE**, is funded by a grant from the Strategic Initiatives Program of the American Statistics Association. The response to the email announcement, mailed to the AMATYC membership on August 18, was immediate, and the thirty available spots in the program were filled within hours. GAISE, an acronym for *Guidelines for Assessment and Instruction in Statistics Education*, has been endorsed by the American Statistics Association (ASA), MAA, NCTM, and the ASA/AMATYC Joint Committee. The GAISE college report may be found at <http://it.stlawu.edu/~rlock/gaise/GAISECollege.htm>.

Workshop presenters include Jessica Utts (Univ of California, Davis), Robert delMas (Univ of Minnesota), and Brian Smith (McGill Univ). In the workshop, each of the GAISE recommendations will be presented and participants will be involved in a practical guide to implementation of the guidelines in the college statistics classroom.

The Joint Committee is excited about this initiative and looks forward to a successful and informative experience.

DISTANCE LEARNING COMMITTEE

by Nancy J. Sattler

The Distance Learning Committee will be "Catching the Wave" in San Diego in November. First, the committee will offer a special themed session on Thursday, November 10, from 8:45-11:40 a.m. There will be a total of nine different short presentations during which members of the committee will share their tips and techniques for success with you. Next, the Technology Committee and the Distance Learning Committee team up with the presentation "Using Technology to Deliver Instruction" to be held on Friday morning, November 11, from 10:30-11:20 a.m. We welcome your

participation at our committee meeting in San Diego, which will be held on Friday, November 11, from 4:30-5:30 p.m. See your program for room assignments. If you are unable to attend the San Diego meeting, and are interested in the committee, visit our committee website at www.amatyc.org/Committees/committees.html#Distance.

As I end my term as the chair of the Distance Learning Committee, I am reminded of Jean Piaget who said "The principal goal of education is to create men who are capable of doing new things, not simply of repeating what other generations have done." I believe that the Distance Learning Committee and its members have done just that. We live in a time that is constantly changing; technology allows us to do "new" things. Take the challenge and incorporate technology into your classes to improve student learning.

For further information about educating your students through distance learning and using technology in your classes, watch for the Final Draft of the *Beyond Crossroads* document. The Final Draft is available at the AMATYC website, www.amatyc.org.

PLACEMENT AND ASSESSMENT COMMITTEE

by Ed Gallo

Here we come, San Diego! We have a great line-up of 15-minute presentations on Placement and Assessment at the AMATYC Conference in San Diego. These are scheduled for 10:45 a.m.-1:40 p.m., Saturday, November 12. These presentations are separated by five minute breaks, so that you can come and listen to all of them; or go in and out to listen to the ones that you are particularly interested in.

In addition, the Placement and Assessment Committee will have two committee meetings scheduled as follows: 1:45-2:35 p.m., Thursday, November 10 4:30-5:30 p.m., Friday, November 11

We plan to have our next PAC Newsletter ready by February 1. So, if you have a short article or other item on math placement or assessment that you think would be of interest to all of the PAC membership, please send it to me (ed.gallo@sinclair.edu) and I will make

sure that it gets into our next PAC Newsletter.

You can find out more about the PAC and its three subcommittees (Assessment of Student Performance, Assessment of Mathematical Programs, and Placement) by going to www.amatyc.org, then committees, then placement and assessment, and then PAC webpage. One of the links on the PAC webpage is to our March 2005 PAC Newsletter.

If you are interested in becoming a member of the Placement and Assessment Committee, just send an email to Jim Ham (jaham@delta.edu), and he will add you to our membership list.

As a final note, I would like to invite you to stop by the committee poster display area in San Diego. The Placement and Assessment Committee (PAC), as well as all of the other committees, will have posters that show in what each committee has been involved. Also, you can add your name to our mailing list if you want to receive the PAC Newsletter.

PROGRAM/CURRICULUM ISSUES COMMITTEE

by Ruth Collins

Once again it is time to reconvene, catch up on all the latest in presentations, visit with old friends, and make new acquaintances. The AMATYC Conference in San Diego should be an especially exciting conference for AMATYC and in particular for our committee members. The P/C Issues Committee will meet once, on Friday from 4:30-5:30 p.m. Committee members interested in the topic of preservice teacher preparation will be discussing appropriate use of technology in teacher preparation classrooms nationwide. It is an important issue and little has been collected in terms of what is being done right now. It is our hope to share what we do individually and what we hope to accomplish in the future. It is difficult to find a person who hasn't some stake in the mathematical education of our preservice teachers. If you don't currently teach a preservice teacher's math course, perhaps you would like to talk to someone who does. If you have school-aged children or grandchildren, you have a stake in this, too. Information on the new AMATYC linked grant, Mathematics Across the Community

College Curriculum (MAC³) will be available at this meeting as well.

The committee is sponsoring a themed session on teacher preparation in San Diego, and this takes place Saturday morning starting at 10:45 a.m. and continuing until 1:30 p.m. with a speaker change every 20 minutes. We have assembled some experienced teacher preparation faculty from across the country to share ideas with you and we hope that you can all attend. Teacher Preparation courses at community colleges continue to develop and many colleges are offering their second and in some cases third full semester of theory in mathematics for teachers. This area still has room to grow. Come join us for this presentation.

Last but not least, the P/C Issues committee will lead a forum on Dual Enrollment, bringing the position statement to the floor in the Delegate Assembly. The position statement is available on the committee website <http://amatyc.dtcc.edu>. (NOTE: no www!) Comments are being collected prior to the conference. Email Ruth Collins at Lv2fly@comcast.net with your suggestions.

Looking forward to seeing you in San Diego.

TECHNICAL MATHEMATICS/AAS PROGRAMS COMMITTEE

by Mary Ann Hovis

The Technical Mathematics/AAS Programs Committee will meet twice during the AMATYC Annual Conference in San Diego. This year the meetings will be Thursday, November 10, 11:15 a.m.-12:05 p.m. and Friday, November 11, 4:30-5:30 p.m. These meetings are designed to provide a forum for the sharing of ideas about issues regarding AAS programs. The first meeting will concentrate on the final report of the NSF grant (DUE 0003065) "Technical Mathematics: Recommendations and Exemplary Programs" with a look to thinking about applying for a future NSF ATE grant. The committee will also talk about its findings on the mathematics requirements for the health areas and where this data might lead. The second meeting will discuss a themed session proposal for the 2006 AMATYC Annual Conference in Cincinnati and discuss the committee

structure. Jesse Williford from Wake Technical CC will be welcomed as our new committee chair.

The committee continues to collect information on the mathematics requirements for students in the nursing and allied health areas. Thanks to those who have written. If your college has not sent information, it's not too late. Please send the following information to Mary Ann Hovis.

- Please list the programs by name. For example, Dental Hygiene or Medical Laboratory Technology.
- For each program, or cluster of programs, list the mathematics course or courses required in the program and the prerequisite for that course. For example, Medical Assisting requires *Mathematical Modeling* (MAT 115) in the program. MAT 115 requires *Beginning Algebra* (MAT 070) as a prerequisite.
- If the program does not require a math course, then is a math competency expected and how is that measured? For example, Nursing, Dental Hygiene and Radiography do not require a math course. However, successful completion of an algebra course is required for admission into the program or to be put on the waiting list for admission into the program.
- List the URL for the website that defines your mathematics courses, if one exists.

The Chair plans to share the data collected. Many health programs do not have a mathematics requirement within their two years of course work. We would like data from both those who do and do not require mathematics within the programs.

Two of our themed session presenters from last fall, nationally renowned biotechnology faculty, Lisa Seidman from Madison Area Technical College and Linnea Fletcher from Austin CC, will present a workshop on mathematics for biotechnology in San Diego. Please attend! Both presenters are wonderful instructors; we can learn a great deal from them as they look at mathematics from an application perspective.

Anyone interested in working on the committee or providing information on their college's mathematics requirement for the nursing and allied health area, please email me at hovis.ma@rhodesstate.edu.

TECHNOLOGY IN MATHEMATICS COMMITTEE

by David J. Graser

Over the next few years, the TiME Committee will be rewriting two of its position statements, *Instructional Use of Technology in Mathematics* and *Use of Internet Resources to Enhance Mathematics Instruction*. This review is part of a five year cycle that all position statements undergo. This will be a major revision so the statements must go through the same approval process as newly drafted position statements. Since most AMATYC members are not familiar with the process, I will outline it below.

Position statements may be drafted by a committee, affiliate, or AMATYC member. As part of a two year approval process, an appropriate committee chairman submits the proposed statement to the AMATYC Board for approval in concept. If approved, an Input Hearing is scheduled for the annual conference during the first year. The Editing Director reviews the draft and recommends revisions. The committee chair distributes the revised document to affiliates, delegates, Board members, and other committee chairs. After the hearing at the annual conference, more revisions are made based on input from the hearing. A Final Hearing is scheduled at the annual conference during the second year and several more cycles of revision made prior to the conference. At the end of these cycles, the draft is included in delegate packets for the annual conference. The draft is presented at the Final Hearing and a vote is scheduled during the Delegate Assembly. If all goes well, the vote is taken at the Delegate Assembly. If approved, the position statement becomes an official AMATYC document.

This extensive process ensures that proposed position statements represent the consensus and vision of AMATYC members. But the work of a committee chair does not end with approval. Each position statement is maintained by an AMATYC committee and reviewed regularly. At least every five years, committees examine position statements to determine if they should be retired, revised, or rewritten. Retirement requires

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CALIFORNIA

CMC³ South

The CMC³ South Board had their annual retreat last June. The Board created two new positions—Special Projects Coordinator and Historian and School Contact Chair. Most of the retreat focused on assisting **Peg Hovde**, the San Diego Conference Chair for the AMATYC conference in San Diego. Peg has been working extremely hard with her team of volunteers to make this conference the best ever.

CMC³ South and CMC³ will be working together on a special project in conjunction with the Intersegmental Major Preparation Articulation Committee to enhance student recruitment into math related fields.

CMC³

In preparation for its fall conference in Monterey this December, the CMC³ program committee has selected **Jerry Johnson** for the kick-off speaker on Thursday evening. Johnson's talk is entitled "Yogi Berra's Guide to Teaching Mathematics." **Millie Johnson** will follow with Friday's keynote address. More information is available by contacting the CMC³ website at www.cmc3.org.

GEORGIA

GMATYC was initially founded in 1987 during the first annual Georgia Perimeter College (GPC) Mathematics Conference, and the annual GMATYC meeting is always held during the spring semester of each year in conjunction with the GPC Mathematics Conference. GMATYC membership has grown to nearly 150 members representing the two-year and four-year colleges, technical schools, and universities (both public and private) in Georgia. The next GMATYC meeting will feature as keynote speaker **Robert Kimball**, the current Vice President for the Southeast Region of AMATYC and Chair of the Mathematics and Physics Department at Wake Technical CC in Raleigh, NC.

KENTUCKY

The mathematics faculty at Owensboro Comm. & Tech. College are participating in a Title III grant aimed at improving developmental education. Focusing on the prealgebra course, the faculty participated in a workshop by **Paul Nolting** last May on mathematics learning styles and strategies for teaching a one-

hour study skills course paired with the usual three-hour prealgebra.

Karin Chess, Owensboro CTC, spent July in China working with elementary and high school teachers of English to improve their oral English skills. Some students reported that they majored in English because, although they were good at mathematics in school, the demand was greater for English teachers.

NEBRASKA

Mike Flesch, Metropolitan CC, Omaha, NE, was awarded Conagra Foods Excellence in Teaching Award. Mike has a particular interest in designing, teaching, and mentoring new teachers for our online and blended math courses.

NEW MEXICO

NMMATYC is accepting articles for publication in our newsletter. Articles should be sent electronically to **Ivette Chuca**, the newsletter editor, at ichuca@yahoo.com.

NMMATYC welcomes **Robert Miller** of NMSU-Alamogordo as our new secretary. Thanks **Dane Reese** for a great year of service.

NORTH CAROLINA

NCMATYC is continuing to construct competencies for each of the mathematics courses in the NC CC Common Course Library. When completed, these competencies will be distributed by the community college system and will be used as guidelines in the teaching of courses across the state.

The new editor of the NCMATYC Newsletter is **Helen Kolman** from Central Piedmont CC. Helen takes over for **Rob Kimball**, who has served faithfully as editor for a number of years.

NORTH DAKOTA

Dan Leingang, Bismarck State College, was named Phi Theta Kappa advisor of the year for the Min-Wi-Kota region. He was also one of 30 recipients of the 2005 Paragon Award for New Advisors, which recognizes distinguished service, at the Phi Theta Kappa international convention in Dallas in April.

Linda Tonolli received the 2005 Faculty Award for Excellence from Bismarck State College.

OKLAHOMA

On September 24, 2005, OKMATYC hosted a Teachers Teaching with

Technology College Short Course on Developmental Algebra Using a Function Approach. Joe Fielder from CSU-Bakersfield taught the one-day workshop.

PACIFIC ISLANDS

PMATYC will hold its fall conference in November. Location is yet to be determined but stay tuned. **Tom Carson** will address the group followed with an afternoon session involving instructional software.

TENNESSEE

TMATYC will be presenting its first TMATYC Teaching Excellence Award at its spring 2006 conference. Guidelines are being finalized and will be voted on at the fall business meeting. The award will be given in even years to recognize outstanding faculty.

TEXAS

The TexMATYC board is continuing to offer online professional development, and a workshop will be administered this fall by **Don Allen** of Texas A&M Univ. The TexMATYC Funding Committee has been formed and will receive training by the UT Dana Center on how to acquire future funding for workshops and speakers.

A variety of sessions will be offered at the next TexMATYC conference. This year's speaker, **George "Pinky" Nelson**, was a NASA astronaut from 1978 to 1989 and is a veteran of three space flights on the Challenger, Discovery, and Columbia. Currently, Nelson serves as the director of Science, Mathematics, and Technology Education at Western Washington Univ. He has also served as the director of Project 2061 and as a senior staff member of the American Association for the Advancement of Science. In addition, to presentations by our colleagues, a pre-conference workshop will be conducted.

VIRGINIA

VMATYC is once again offering payment of registration to the upcoming AMATYC conference to two VMATYC members. These recipients will select a topic of their choice to investigate at the AMATYC Conference in San Diego this November, and share what they learn there in a presentation at the spring VMATYC conference.

Northern Virginia CC, Woodbridge campus, has received additional funding this year for two programs in mathemat-

ics. The NOVA-Gold program places a student aide in any developmental class in which the instructor has requested such assistance. This is also the second year for "It Figures," an outreach program to local high school students. The program offers tutoring to high school students for a minimal cost, performed at the college by college students, many who plan to become math teachers.

WASHINGTON

Interdisciplinary teams from Bellevue CC, Edmonds CC, Green River CC, and Spokane Falls CC attended the Math Across the Community College Curriculum (MAC³) Summer Institute and developed curricula to integrate mathematics into courses in numerous other fields in the coming year.

In June 2005, Monroe CC, Rochester, NY, paid for 28 individual AMATYC memberships (26 renewals plus 2 new members), as well as 2 adjunct renewals. With an investment of over \$1700, Monroe CC ensured that 100% of the mathematics faculty are members of AMATYC. Peter Collinge is the department chair.

THANK YOU



The AMATYC Office is pleased to announce the arrival of Kelsey Christina Hunsucker on July 31, 2005. She weighed 8 lbs. 5 oz. and was 21½ in. long. The proud parents are Dallas and Christy Hunsucker. Christy is AMATYC's Accounting Director.

AMATYC SEEKS TRAVELING WORKSHOP COORDINATOR

The AMATYC Traveling Workshops Coordinator serves a major role in the promotion of the Traveling Workshop program and works closely with the board liaison and the AMATYC Office. Traveling Workshops support the professional development of two-year college mathematics faculty in mathematical content, pedagogy, curriculum development, and other areas approved by the AMATYC Executive Board. The coordinator's duties include but are not limited to:

- Working with those requesting a Traveling Workshop to clarify the topic(s) for the workshop and selecting an appropriate facilitator for the workshop
- Coordinating the promotion of AMATYC Traveling Workshops through activities such as, but not limited to, the Traveling Workshop Brochure, communication with AMATYC affiliates and institutional members, and preparation of articles on Traveling Workshops for the *AMATYC News*.
- Coordinating the recruitment of new Traveling Workshop facilitators and their orientation and training at the annual conference
- Chairing the meeting of the Traveling Workshop Directors at the annual conference
- Maintaining regular contact with all Traveling Workshop Directors and facilitators.
- Reviewing evaluations of Traveling Workshops and recommending changes in topics, procedures, or fees.
- Working with individuals on proposals for new traveling workshop strands.
- Carrying out other duties necessary to promote successful Traveling Workshops.

Qualifications

1. Good written and verbal communication skills
2. Experience as a workshop presenter
3. Experience in program evaluation
4. AMATYC member with a Regular or Life membership.

Personal Qualities

- Well organized and can work on a regular schedule
- Can meet requests for Traveling Workshops promptly
- Ability to deal well with colleagues and to provide leadership
- Ability to take direction from and work with others cooperatively

Term

Three years (renewable)

Compensation

Tangible: Support for attendance at the AMATYC Annual Conference

Intangible: Intellectual stimulation, satisfaction, professional development and the satisfaction of serving your profession.

To be considered for this position the following materials should be sent electronically to Judy Ackerman (judy.ackerman@montgomerycollege.edu):

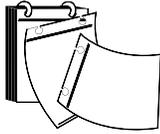
- a cover letter expressing interest in the position and citing relevant experience for this position
- a resumé
- a reference from a host of a workshop or presentation that you have given
- a letter of support from your administrator

The deadline to submit all materials is November 1, 2005, and the position will remain open until filled.

Visit the AMATYC Online Store by following the link on the AMATYC webpage.

a vote of the Delegate Assembly. A minor revision needs to be approved by the Board, but not the Delegate Assembly. A major rewrite needs to go through the process outlined above.

Throughout this process, AMATYC members have many opportunities to provide feedback through hearings at the annual conference. TIME Committee members will have even more opportunities to revise the position statements, *Instructional Use of Technology in Mathematics* and *Use of Internet Resources to Enhance Mathematics Instruction*. We will work together via email, the TIME listserv and at committee meetings in San Diego and Cincinnati to create new statements. To become a TIME Committee member, you simply need to participate in this work. If you use any type of technology in the classroom, please join us in San Diego on Thursday, November 10, 12:30-1:20 p.m., or Friday, November 11, 4:30-5:30 p.m. Information on the TIME Committee position statements is available at www.time.amatyc.org.



AMATYC CALENDAR OF EVENTS

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

November 5, 2005 **TMATYC Fall Conference**, Location TBA. Contact: Eric Matsuoka, ematsuok@hawaii.edu

November 10-13, 2005 **31st Annual AMATYC Conference**, San Diego, CA. Contact: AMATYC Office, 901.333.4643, amatyc@amatyc.org

February 17-18, 2006 **19th Annual Georgia Perimeter College Mathematics Conference and GMATYC Meeting**, Georgia Perimeter College-Lawrenceville Campus, Lawrenceville, GA. Contact: Jessica Craig, jcraig@gpc.edu

February 18-19, 2006 **Joint FTYCMA/MAA Spring Meeting**, Florida Atlantic Univ, Jupiter, FL. Contact: Martha Goshaw, goshawm@sccfl.edu. Website: www.ftycma.org/html/events.htm

February 23-25, 2006 **TexMATYC/TCCTA Conference**, Houston, TX. Contact: Linda Zientek, lzentek@blinn.edu. Website: www.texmatyc.org

March 3, 2006 **COLOMATYC Meeting**, Aims CC, Greeley, CO. Contact: Carol Kuper, 970.542.3202, carol.kuper@morganc.edu

March 9-10, 2006 **NCMATYC Spring Meeting**, Wake Technical CC, Raleigh, NC. Contact: Chuckie Hairston, hairstonc@halifaxcc.edu

March 31-April 1, 2006 **VMATYC Spring Conference**, Germanna CC, Fredericksburg, VA. Contact: Carol Kuper, 970.542.3202, carol.kuper@morganc.edu

April 7, 2006 **NEBMATYC Annual Meeting**, North Platte CC, North Platte, NE. Contact: Debi Martin, 800.658.4308, martindc@mpcc.edu

April 20-22, 2006 **Joint WAMATYC and Northwest CC Mathematics Conference**, Skamania Lodge, Stevenson, WA. Contact: Ronda Kingstad, rkingsta@pcc.edu, or Elizabeth O'Neil, eoneil@oc.ctc.edu

April 21-22, 2006 **5th Annual TMATYC Conference**, Nashville State CC, Nashville, TN. Contact: Angela Everett, angela.everett@chattanooga.state.edu. Website: www.tn.matyc.org

May 18-20, 2006 **17th Annual NMMATYC Conference**, Dona Ana Branch CC, Las Cruces, NM. Contact: Ellen Schneider, elschnei@nmsu.edu. Website: www.nmmatyc.org

October 28-29, 2006 **Joint SOCAMATYC/SCCTM Conference**, Greenville, SC. Contact: Jerry Marshall, gmarshal@tctc.edu. Website: www.soca.matyc.org

November 2-5, 2006 **32nd Annual AMATYC Conference**, Cincinnati, OH. Contact: AMATYC Office, 901.333.4643, amatyc@amatyc.org

November 15-18, 2007 **33rd Annual AMATYC Conference**, New Orleans, LA. Contact: AMATYC Office, 901.333.4643, amatyc@amatyc.org

November 20-23, 2008 **34th Annual AMATYC Conference**, Washington, D.C. Contact: AMATYC Office, 901.333.4643, amatyc@amatyc.org

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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Teacher Prep, Continued from page 4

about the importance of making their teaching practice explicit for their students-preservice and inservice teachers.

The weather was great in Grand Rapids and we were able to fit in a field trip to an area horse racing track where participants could win prizes based on a contest we designed. And, we certainly gained a better perspective about why the sport of kings is so popular.

Planning is underway for another teacher prep summer institute next year at Green River CC in Washington State.

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
2009	Las Vegas	November 12-15

USAMO

AMATYC is a proud sponsor of the USA Mathematical Olympiad (USAMO). President-Elect Kathy Mowers had the pleasure of representing you at the awards ceremony and dinner honoring the twelve top scorers in the 2005 USAMO. The awards ceremony was held at the National Academy of Sciences with Dr. Donald G. Saari, University of California-Irvine, sharing his "Mathematics is Everywhere" ideas. An elegant dinner followed at the U.S. Department of State Diplomatic Reception Rooms. This year AMATYC Grants Coordinator, Mary Kay Abbey, also attended.

Six of the twelve winners were chosen to participate in the International Mathematical Olympiad, which was held in Merida, Mexico. The USA team finished second overall close behind the team from China. The team had four individual gold medallists and a silver medallist. From the information and pictures, available at www.unl.edu/amc/, it appears that the team both worked and played hard and had a great time.



President-Elect Kathy Mowers and the USAMO winners enjoy time with Einstein in the garden at the National Academy of Sciences.

AACC AWARDS

AACC and its partners, AMATYC and NACCTEP, recently announced the ten programs at community colleges selected as recipients of the Teaching by Choice Community College Teacher Preparation Program Recognition Award, funded by the National Science Foundation. The award is designed to identify exemplary K-12 teacher preparation programs at community colleges that include science, technology, engineering, and mathematics (STEM), and to disseminate information about them nationally. The winning colleges will each receive a \$10,000 award that they plan to use to expand or enhance current programs.

Selection criteria for the award were based on recommendations from a 2004 national conference hosted by the American Mathematical Association of Two-Year Colleges (AMATYC), National Association of Community College Teacher Education Programs (NACCTEP), and AACC. The report is available at www.aacc.nche.edu/tbc_K12rept.

Congratulations to the following ten colleges identified to have exemplary programs:

Brookdale CC, NJ
Cerritos CC District, CA
City College of San Francisco, CA
Collin County CC District, TX
Green River CC, WA

Indian River CC, FL
Itasca CC, MN
Jackson CC, MI
Montgomery College, MD
San Juan College, NM

WINDOW ON WASHINGTON

by Judy Ackerman

In July, fifteen business organizations joined together to release *Tapping America's Potential*, a report to "Leaders Who Care about America's Future." In this report there is a call for business leaders to unite with government officials at all levels to "create the momentum needed" to achieve the goal of doubling the number of STEM graduates with bachelor's degrees by 2015. In order to reach the goal the document calls for a long-term, comprehensive initiative to

1. Build public support for making improvements in science, technology, engineering, and mathematics performance a national priority.
2. Motivate U.S. students and adults, using a variety of incentives, to study and enter science, technology, engineering, and mathematics careers, with a special effort geared to those in currently underrepresented groups.
3. Upgrade K-12 mathematics and science teaching to foster higher student achievement, including differentiated pay scales for mathematics and science teachers.
4. Reform visa and immigration policies to enable the United States to attract and retain the best and brightest science, technology, mathematics, and engineering students from around the world to study for advanced degrees and stay to work in the United States.

The full report can be found at the U.S. Chamber of Commerce website, www.uschamber.com/publications/reports/050727_tap.htm.

Congratulations to Past President Sadie Bragg on her appointment to the U. S. National Commission for Mathematics Instruction (USNCMI). This commission is one of the commissions of the National Academy of Sciences. The goals of the USNCMI include "promoting the advancement of the mathematical sciences in the United States and throughout the world..." Another former AMATYC President, Marilyn Mays, just completed her second term on the USNCMI.



www.amatyc.org/Foundation

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

Winston Churchill

AMATYC's Foundation solicits your support for one of its three funds:

- Crossroads Revisited Fund
- Project ACCCESS Fund
- General Development Fund

Any amount helps and is greatly appreciated.

Please visit the webpage for more information.

AMATYC
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Philip Mahler, Foundation Chairperson
Middlesex Community College
781.280.3861 - mahlerp@middlesex.mass.edu

Dates To Remember!

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

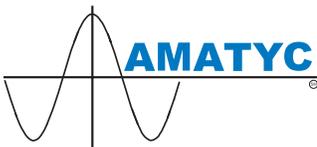
AMATYC Traveling Workshop
Coordinator Application
Deadline: November 1, 2005

Call for Presenters and Presiders
for the 2006 AMATYC Annual
Conference in Cincinnati
Proposals accepted November 1,
2005 through February 1, 2006

For more information visit
www.amatyc.org

THE AMATYC REVIEW

The AMATYC Review invites manuscripts and reviewers. Author Guidelines and Reviewer Surveys may be obtained from the editor, Barbara Rives, Abilene Christian Univ, 204 Hardin Admin Bldg., ACU Box 29140, Abilene, TX 79699-9140. Author Guidelines may also be found at www.amatyc.org/Publications/Review.



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