

# *The Math ConneXion*

*Newsletter of the Illinois Mathematics Association of Community Colleges*

<http://www.imacc.org>

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## *President's Message*



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As it is now the first week in February, you probably have made a good start completing and grading the first sets of exams in this new semester. Perhaps you are planning to incorporate alternate assessment techniques and want to document student achievement of stated learning outcomes in different ways this semester. Mary Beth Beno has agreed to chair a new IMACC Assessment Committee and is looking for input of "best practices" and "pilot projects" from interested IMACC members. You will have that opportunity at Allerton. Hopefully you are planning to attend the IMACC annual meeting at Allerton Conference Center, April 3-5, 2003. The tentative program and registration materials are included in this issue of the ConneXion and will also be updated with more details and available online at [www.imacc.org](http://www.imacc.org).

I am and hope you will be excited about the program for the conference this year. Weather permitting, the pre-conference star party Thursday evening will feature 2002 Distinguished Service awardee Robert Custer and his GPS telescope. The opening speaker Friday morning, James Stewart, who spoke of the "calculus wars" at AMATYC in Toronto, will offer suggestions for engaging students' attention in the mathematics classroom to increase understanding and make them more active learners, through the use of two interactive CDs and other methods. Michael Starbird, a featured speaker at AMATYC in Phoenix, will encourage us to offer all students the grandest and most intriguing ideas in mathematics. Saturday morning's speaker, Marty Triola will describe applications of mathematics and statistics related to news stories. Jim Trefzger's "sold-out" AMATYC workshop of fresh ideas for calculus is scheduled over two break-out sessions. Jim Olsen from WIU will discuss modeling courses. Keven Hansen and Jim Harris will lead a discussion of curricular issues and the ISMAA-IMACC College Algebra statement. Please check the tentative program in this newsletter for a list of all the IMACC members who will be presenting break-out sessions on mathematics teacher education, ideas for developmental math classes, a linear algebra panel, and a special session for first-time attendees. Please bring a slide rule to share with our young colleagues after dinner Friday evening during Marvin Johnson's entertaining talk, "Ancient Computational Tools." Donations, such as special mathematics books, ancient tools, and school apparel, are also requested for the raffle to benefit the scholarship fund. The IMACC board will sell IMACC t-shirts with any profits going to the Memorial Scholarship Fund.

IMACC was well represented by officers, board members, speakers, delegates, and other members at the AMATYC meeting in Phoenix last November. AMATYC will be featured at this IMACC conference with Midwest Vice President Kathy Mowers attending and also presenting a session about online elementary algebra. Jim Hall will provide an update of the Crossroads Revisited Project of AMATYC. Jim is chair of the Mathematics Content writing team, while Vern Kays and Jim Trefzger serve as IMACC representatives to other teams.

Now is the time to send nominations to Angie Gum and the Scholarship committee for the student IMACC Memorial Fund scholarships. Though names may be submitted throughout the year, Kim Martin and the Awards committee await your nominations of mathematics colleagues for the annual IMACC James Armstrong, Distinguished Service, and Lifetime Membership awards. Forms and instructions for applications are included in this newsletter as well as online at the IMACC web site. We have extended the nomination deadline to March 7 this year.

(Continued on next page ...)

## President's Message Continued

President-elect and Nominations chair Tim Grant will be sending biographical information of the fine slate of candidates and the ballot for election this year. I want to thank everyone who is willing to serve IMACC as an officer, board member and/or committee member. Please give them your support and return your ballot soon.

Thank you for giving me the opportunity to serve as your president. It has been an honor and I have truly enjoyed putting the Allerton program together for you. I am very appreciative of all who were so willing to help when asked.

Ruth Anne Hartman, President

P.S. The AMATYC assembly adopted two position papers - Distance Education in College Mathematics in the First Two Years and Initial Placement of Two-year College Students into the Mathematics Curriculum. Details will be provided in your conference packets.

## NEWS BYTES

**MATH2.ORG** allows users to search a collection of downloadable mathematics reference tables in French, Spanish, or English. Math tables are available for educators of algebra, geometry, trigonometry, calculus, and more. Go to [www.math2.org](http://www.math2.org).

Attention geometry teachers! **Tiling the Plaza** is a mathematics lesson plan that lets students focus on designs that can be created by tessellating combinations of regular polygons. See [pbs.org/teachersource/mathline/lessonplans/msmp/tiling/tiling\\_pcedure.shtml](http://pbs.org/teachersource/mathline/lessonplans/msmp/tiling/tiling_pcedure.shtml).

## *News on John Bradburn*

John and Ruth Bradburn are in South Africa for two months to begin Project Education - a mentoring program for volunteer educators to mentor South African teachers on an interim basis. Mathematics is the first area to be addressed. There is also a large need in the sciences. Go to [www.mcselca.org](http://www.mcselca.org) for more information on this project and a large selection of photographs of the work they are doing.



## INSTITUTIONAL MEMBERS

Institutional membership is an important source of support for IMACC. If the year after your college's name is 2002, it is time to ask your college to renew. If your college is not listed, you need to join! Talk to your department head or coordinator and make sure your college renews or joins.

You will find the combined Individual and Institutional membership forms at the end of this issue.

<u>College</u>	<u>Expires</u>
Black Hawk College	2003
Carl Sandburg College	2003
College of Lake County	2002
Elgin Community College	2003
Harold Washington College	2002
Illinois Central College	2002
Illinois State University	2002
John A. Logan College	2003
Kaskaskia College	2002
Kishwaukee College	2003
Lewis and Clark College	2002
Lincoln Land College	2002
McHenry County College	2002
Morton College	2003
Oakton Community College	2003
Olney Central College	2002
Parkland College	2003
Prairie State College	2002
Richland Community College	2003
Rock Valley College	2002
Saint Xavier University	2003
South Suburban Community College	2003
Southwestern Illinois College	2003
Waubensee Community College	2003
William Rainey Harper College	2003

## IMACC NEWS AND NOTES

### **Southeastern Illinois College:**

**Jack Mummert** will receive the 2003 NISOD Excellence Award in May, 2003. **Mila Maring** -Biology, with assistance from **Kim Martin** - math, will host a 2003 Regional WYSE Competition at the college on February 13, 2003.

We need your news! Please remember to submit to the **ConneXion**.

### **Deadline for Submissions**

Summer 2003 Issue - May 15, 2003  
Fall 2003 Issue - September 15, 2003  
Winter 2004 Issue - January 31, 2004

The following Windows-based formats are most easily used:  
Text - Word Perfect, Word, or RTF format.  
Spreadsheet - Quatro or Excel format.

[jack.mummert@sic.edu](mailto:jack.mummert@sic.edu)



**ILLINOIS MATHEMATICS ASSOCIATION OF COMMUNITY COLLEGES  
THE IMACC MEMORIAL FUND SCHOLARSHIP  
REQUIRED FACULTY NOMINATION FORM**

I hereby nominate \_\_\_\_\_ for the IMACC Memorial Fund Scholarship.  
My nomination is supported by the following comments. (Please continue on an additional sheet if necessary.)

Please check one of the following:

\_\_\_\_\_ I am currently a member of IMACC.

\_\_\_\_\_ I am NOT a member but the college of my employment is an institutional member.

Date \_\_\_\_\_

Your name printed \_\_\_\_\_

Position \_\_\_\_\_

College or University \_\_\_\_\_

# IMACC MEMORIAL FUND SCHOLARSHIP STUDENT INFORMATION FORM

1. The applicant must be a citizen of the United States.
2. The applicant must have a cumulative grade point average of B or better. Only the first 2 years of college mathematics as approved by the ICCB will be considered in the application process. He/she must be pursuing an education at some institution of higher learning in the State of Illinois with a high demonstrated potential to complete the program and must have earned at least 40 semester hours at the Community College.

Please complete the following:

Name: \_\_\_\_\_

Home Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Home Phone: \_\_\_\_\_

Semester hours of completed community college courses: \_\_\_\_\_

Cumulative grade point average: \_\_\_\_\_

Semester hours of completed mathematics courses: \_\_\_\_\_

3. An applicant must be intending to complete a degree in mathematics education or mathematics.

Please complete the following:

Degree pursued: \_\_\_\_\_

Illinois institution to which applicant intends to transfer, enroll as a full-time student, and complete a degree:

\_\_\_\_\_

4. The scholarship will be awarded to selected applicants after receiving a written verification from the college records office that the applicant has enrolled in an institute of higher education in the State of Illinois as a full-time student. Full-time status shall be decided by the institution requirements. Failure to do this will result in the disqualification of the applicant, and the next eligible applicant may be awarded the scholarship.
5. Applicant must submit a written application not longer than five double-spaced standard typewritten pages. Details concerning the following must be addressed: a) career objectives, b) work experience, c) financial conditions and need for scholarship, d) general philosophy of education, and e) other information felt to be helpful. Applicants must follow the above order and label each area addressed.
6. Applicant must submit to the chair of the Selection Committee, one copy of an official transcript of courses and grades to meet the March first deadline. The official transcript must show at least 40 hours completed at the Community College. Four copies of this information form and the written application are required and must be sent to the following address:

Angie Gum, Math Department  
Lincoln Land Community College  
5250 Shepherd Road, P.O. Box 19256  
Springfield, IL 62794-9256

The forms, application, and a transcript must reach this office not later than March 1 of the school year. Allow five days for delivery. Grades for the courses you are taking this semester must be on the official transcript if these courses are to be considered as part of the evaluation process. Scholarship recipients will be notified by May 1.

## Nominations For James Armstrong Award - Distinguished Service Award Life Membership Award

The **James Armstrong Award** was established in 1978 to honor the late University of Illinois professor, James Armstrong, whose leadership fostered a spirit of cooperation between two-year college mathematics teachers and the mathematics faculties at four-year colleges and universities. The award is to be given annually to a four-year college or university professor who continues this tradition of cooperation and assistance with the two-year colleges.

The **Distinguished Service Award** is to honor one of our members for a career of outstanding service to IMACC. This award may be given annually under the conditions that the nominee must:

- a) be an active member who has participated in IMACC for at least 10 years (retired members are eligible).
- b) have held an elected office (President, Secretary, Treasurer, or Director) in IMACC.
- c) have served at least 4 years in some combination of elected offices, committee appointments, ConneXion editor, or conference coordinator.
- d) have the recommendation of an IMACC member familiar with the nominee's qualifications.

For the **Life Membership Award**, IMACC members who are retiring, the recipient must have:

- a) Been a member of IMACC for at least 10 years (not necessarily in a row)
- b) Been a regular attendee at the IMACC conference or have other significant contributions to the organization.

IMACC members who are applying for SURS retirement benefits (retiring from teaching), please complete the form ([page 3](#)) and send it to the Awards Committee.

Please submit your nominations by **March 7, 2003**. The recipients will be honored at the Allerton conference. Submit the name of your nominee, the position and school, with your supporting letter (except for Life Membership Award) for the committee's consideration to:

Kim Martin  
Department of Mathematics  
Southeastern Illinois College  
3575 College Road  
Harrisburg, IL 62946

## 2004 AMATYC Mathematics Excellence Award

### Call for Nominations

Deadline: November 3, 2003

Nominations are now open for the next AMATYC Mathematics Excellence Award, which will be presented at the 2004 AMATYC Annual Conference in Orlando, FL. Nomination materials include a resume or vita (not to exceed 3 pages) and three letters in support of the nomination, one of which is a letter of nomination. At least one of the three letters should be from outside the nominee's AMATYC region.

Letters of support that elaborate on those qualities mentioned in the resume or point out additional exemplary characteristics of the nominee are more helpful to the committee than letters that reiterate items mentioned in the resume. In an effort to compare all candidates on the same basis, any additional materials submitted will not be considered.

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

- National reputation (20 points)
- Leadership and activities in professional organizations (20 points)
- Professional talks and presentations (10 points)
- Awards and grants received (10 points)
- Publications (10 points)
- Professional activities on a regional, state, and national scale (10 points)
- Teaching Expertise (15 points)
- Other contributions to mathematics and/or mathematics education (5 points).

Nomination materials should be submitted to: Susan S. Wood, AMATYC Past President, J. Sargeant Reynolds Community College, PO Box 85622, Richmond, VA 23285-5622. Contact Susan at [swood@jsr.vccs.edu](mailto:swood@jsr.vccs.edu) if you have questions. For more information about the AMATYC Mathematics Excellence Award, visit [www.amatyc.org](http://www.amatyc.org).

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# Allerton House History and Information

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Allerton House is the site of the IMACC Annual Conference. Built as a private home by Robert Allerton in 1900, it was developed into a conference center in 1946. It is located just west of Monticello, Illinois and is part of the University of Illinois system. More information, including maps, can be found on their web site at <http://www.conted.ceps.uiuc.edu/rapcc/index.html>. Also, Dr. Sunil Koswatta has put a tour of Allerton Park on his web site at <http://www.harper.cc.il.us/mathdept/mathnews.html>.

The Conference Center, which consists of the main house and three additional lodging facilities, is surrounded by a 1500 acre forest designated as a National Nature Landmark. Adjacent to the Conference Center are formal gardens, decorative ornaments and museum-quality sculptures. Miles of hiking trails are maintained in the woodlands, and the Sangamon River winds its way through the middle of the park. The Conference Center is designed as a place to get away from the pressures and responsibilities of everyday life to focus on teaching and learning mathematics, and to interact with colleagues from across the state. Plan on joining us in April- you will not be disappointed in the experience.

Lodging rooms for the annual IMACC Conference are located in the Main House, the Evergreen Lodge, the Gate House and the Little House in the Woods. Most rooms are double occupancy with two single beds, but some are dormitory style (4-10 beds) with limited bathroom space. In keeping with the educational atmosphere and rustic setting, rooms are not equipped with telephones or televisions. A variety of recreational activities are available including pool and ping-pong. You may even be able to find a card game or two going on! Quarters are assigned on a first-come, first-served basis. There is very limited space for spouses, and the conference is not designed for, nor do the facilities adequately accommodate, children.

Conference meals are preplanned by the Conference Coordinator and deliciously prepared from scratch by the Allerton staff. Special dietary needs can be accommodated if you contact the Conference Coordinator ahead of time. Snacks are served throughout the day and evening, and publishers are present with textbooks on display for your perusal. All amenities are included in the registration fee.

In years past, when the number of registrants exceeds Allerton's capacity, the overflow has been housed at either Foster's Plaza or the Best Western, both in downtown Monticello. If you prefer to stay off-site, you must make your own reservations from among our block of rooms at one of these two facilities. Please do so early as hotel rooms may be scarce due to scheduled events at U of I. Indicate "no lodging" on your reservation form if you stay in town. Questions or concerns regarding Allerton House should be directed to Beth Beno at South Suburban College by phone, 708-596-2000, ext. 2333, or by email at [mbeno@southsuburbancollege.edu](mailto:mbeno@southsuburbancollege.edu).

Hope to see you at Allerton!

**Beth Beno**

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As you are aware, the cost of registration for the IMACC Annual Conference at the Allerton Conference Center increased substantially last year (from \$150 to \$200). This was due to a new pricing structure that was implemented by the conference center. Even with this increase, our income for the conference fell far short of our bill at Allerton. In the past our bill for the conference has gone up from year to year as all things do. However, last year's increase was, to say the least, substantial. See the table below.

Year	Allerton Cost
1999	\$15,276
2000	\$16,815
2001	\$17,704
2002	\$26,462

In addition to this, the prices at Allerton for next year will increase by about 8% over the 2002 costs. As a result, we have no alternative except to increase the conference registration fee and institutional membership dues to \$250. We are sorry for this increase and welcome any suggestions that you might have for containing costs. Please send comments to me at [dclydesd@ameritech.net](mailto:dclydesd@ameritech.net).

**Dave Clydesdale**

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## NEWS BYTES

The **Association for Childhood Education International** will hold its 2003 Annual International Conference and Exhibition April 13-16, 2003, in Phoenix. The theme is "Bridging the Gap: Educating the Hearts and Minds of Our Future." Registration is \$143 for ACEI members and \$227 for nonmembers. For more information go to [acei.org](http://acei.org).

**Texas Instruments** presents the **15<sup>th</sup> Annual International T3 Conference**, Titans of Technology, on March 7-9 in Nashville. Learn ways to integrate educational technology into the classroom to enhance the teaching and learning of mathematics, science, and social studies. Registration before 2-15-03 is \$150 for in-service teachers. For more information, see [education.ti.com/us/t3/conferences/international/confoverview03.html](http://education.ti.com/us/t3/conferences/international/confoverview03.html).

The **National Council of Teachers of Mathematics** and the **Association of Teacher Educators** outline some of the essential components that should be included in doctoral programs in mathematics education which aim to prepare graduates for a wide range of position in the mathematics education field. This position paper is available at [www.amte.net](http://www.amte.net).

The **National Science Foundation** has funded five *Centers for Mathematics Learning and Teaching* to help rebuild the nation's infrastructure in mathematics education. Funds will provide long-term support for individual pursuing doctoral studies in mathematics education and for research on fundamental problems in the field. For more information go to [www.ehr.nsf.gov/esie/resources/centers.asp](http://www.ehr.nsf.gov/esie/resources/centers.asp).

**Alvirne High School AP Calculus** posts a problem of the week during the academic year and maintains an archive of previous problems and solutions. See [seresc.k12.nh.us/www/alvirne.html](http://seresc.k12.nh.us/www/alvirne.html).

## *Tentative Agenda for the 2003 Allerton Conference*

### *Thursday Pre-Conference*

9:00 pm or later      Book Exhibits  
 Star Party with Robert Custer and his 7" LX200 GPS telescope

### *Friday Sessions*

7:00	-	8:15	Breakfast
8:20	-	8:30	Welcome
<b>8:30</b>	-	<b>9:30</b>	<b>James Stewart - How to Enliven the Mathematics Classroom</b>
<b>9:35</b>	-	<b>10:35</b>	<b>First Break-Out Session</b>
			Jim Olsen - Modeling Courses and Articulation from High School to College
			Brenda Alberico, Brian Garant, Terra Stamps - Modifying your Math for Elementary Education Teachers Course
			Jim Hall - An Update on AMATYC's Crossroads Revisited Project
			Technology Demonstration
10:35	-	10:55	Coffee Break
<b>11:00</b>	-	<b>12:00</b>	<b>Michael Starbird - Abandoning Dead Ends: Resuscitation of the Heart of Mathematics</b>
12:00	-	1:00	Lunch
1:00	-	2:15	Leisure Time and/or Park Excursion
<b>2:20</b>	-	<b>3:20</b>	<b>Second Break-Out Session</b>
			Jim Trefzger - Top Ten List of Fresh Ideas for Traditional Calculus Part I
			Bettie Truitt - First Time at IMACC? Come Learn the Ropes
			Brian Mercer - Interactive Student Study Guides in Beginning and Intermediate Algebra
			Keven Hansen & Jim Harris - Curricular Issues and a College Algebra Statement
3:20	-	3:35	Coffee Break
<b>3:40</b>	-	<b>4:45</b>	<b>Third Break-Out Session</b>
			Mary Beth Beno - Input for IMACC Assessment Committee
			Omar Adawi, George Dorner, Jeff McCreight - Birds of a Feather Panel Discussion on Elementary Linear Algebra
			Catherine Moushon & Brenda Alberico - IMTE - Illinois Math Teacher Educators
			Technology Demonstration
4:45	-	5:45	Social Hour
<b>5:50</b>	-	<b>6:55</b>	<b>Dinner and Presentation of Awards</b>
<b>7:00</b>	-	<b>8:00</b>	<b>Entertainment - Marvin Johnson - Ancient Computational Tools</b>
			(Bring a slide rule to share with our young colleagues.)
<b>8:15</b>	-	<b>????</b>	<b>Evening Meetings</b>
			IMACC Board Meeting
			P&C Group
			Probability and Statistics Group
			LAG Group

### *Saturday Sessions*

7:15	-	8:15	Breakfast
<b>8:30</b>	-	<b>9:30</b>	<b>Mario Triola - Mathematics in the News</b>
9:30	-	9:45	Coffee Break
<b>9:45</b>	-	<b>10:45</b>	<b>Fourth Break-Out Session</b>
			Jim Trefzger - Top Ten List of Fresh Ideas for Traditional Calculus Part II
			Follow-up Session
			Kathy Mowers - Online Elementary Algebra: Can It Work?
			Lowell Doerder - Department Chairs Meeting
<b>10:50</b>	-	<b>12:00</b>	<b>Annual Business Meeting</b>
12:00	-	1:00	Lunch -- and Departure

This agenda is subject to change.

Please check the IMACC web page ([www.imacc.org](http://www.imacc.org)) and your conference packet for the final agenda.

**2003 IMACC CONFERENCE**  
**Allerton House – April 3, 4, 5**  
**Return to Beth Beno by March 28, 2003**

**Registration Information**

\_\_\_\_\_  
First Name (for name badge)

\_\_\_\_\_  
Last Name

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Zip

\_\_\_\_\_  
School Name

\_\_\_\_\_  
E-mail Address

\_\_\_\_\_  
School Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Zip

\_\_\_\_\_  
Home Phone

\_\_\_\_\_  
School Phone

Please check all that apply:

I am a graduate student.

I am attending for the first time.

I am retiring this year.

I will stay in town and make my own arrangements.

I will arrive at Allerton House after 11 pm.

**Accommodations and Food**

Which night(s) will you be staying at Allerton House?  Thursday  Friday

Roommates: \_\_\_\_\_

Housing (indicate 1st, 2nd and 3rd choices):  No Preference

Main House  Gatehouse

Evergreen Lodge

Little House in the Woods

Meals (check all meals you will eat at the conference):

Friday  Breakfast

Saturday  Breakfast

Lunch

Lunch

Dinner

Dinner Preference (circle one):

Chicken

Steak

Vegetarian

Special Needs? Contact Beth Beno at 708-596-2000 Ext. 2333 (South Suburban College)  
or Jim Gortner at 217-333-3287 (Allerton House)

**See Other Side for Additional Information**

Please circle the appropriate dollar amount depending upon your specific situation.

Make check payable to *THE UNIVERSITY OF ILLINOIS*.

“Members” must have paid dues for 2002-2003.

	<b>Member</b>	<b>Non-Member</b>	<b>Graduate Student</b>	<b>Institutional Representative</b>
<b>Entire Conference</b>	<b>\$250</b>	<b>\$275</b>	<b>\$200</b>	<b>N/C</b>
<b>Registration, Thurs. Lodging Fri. Meals</b>	<b>\$160</b>	<b>\$175</b>	<b>\$128</b>	<b>N/C</b>
<b>Registration, Fri. Lodging Fri. &amp; Sat. Meals</b>	<b>\$180</b>	<b>\$200</b>	<b>\$144</b>	<b>N/C</b>
<b>Registration Fri. &amp; Sat. Meals</b>	<b>\$125</b>	<b>\$140</b>	<b>\$100</b>	<b>N/C</b>
<b>Registration Friday Meals</b>	<b>\$ 85</b>	<b>\$100</b>	<b>\$ 68</b>	<b>N/C</b>
<b>Registration Saturday Meals</b>	<b>\$ 75</b>	<b>\$ 90</b>	<b>\$ 60</b>	<b>N/C</b>
<b>Registration ONLY No Lodging or Meals</b>	<b>\$ 60</b>	<b>\$ 75</b>	<b>\$ 48</b>	<b>N/C</b>

Late (postmarked after March 28) and on-site registration – add \$25.

**Refund Policy:**

! Those canceling before March 28 will receive a full refund.

! Those canceling after March 28 should not expect a refund, but may appeal their circumstances to the IMACC Board for consideration.

**Confirmation:**

Those requesting confirmation of, or receipt for, conference registration should include a self-addressed, stamped envelope with your registration form and check.

**Please send all registration materials (including check made payable to *THE UNIVERSITY OF ILLINOIS* ) to:**

**Beth Beno  
South Suburban College  
15800 South State Street  
South Holland, IL 60473**

**Phone: 708-596-2000, ext. 2333  
E-mail: mbeno@southsuburbancollege.edu**

*We want to apologize for the substantial increase in the cost of this year's Allerton Conference.  
The increase reflects a restructuring in the rates charged by the Allerton Conference Center.*

## Directions to Robert Allerton Park and Conference Center

### **From the Champaign-Urbana Airport:**

1. Turn right to go south on Route 45 after leaving the airport.
2. Follow Route 45 and turn right again onto Monticello Road.
3. Follow the Monticello Road for about 18 miles (you will cross over the interstate) into Monticello. You will be on Washington St.
4. Follow Washington St. until you reach the second stop sign and turn left onto Allerton Road. This takes you out of town. It's about 2 miles to the entrance of Allerton Park and Conference Center. It will be on the right. Watch for the sign, it's easy to miss especially after dark.

### **From Champaign-Urbana: If you are staying at a hotel on Interstate 74:**

1. Take I74 west to I57.
2. Take the I57 South exit. Follow I57 to the Monticello Road exit;
3. Go west to Monticello. When you get to Monticello, the road becomes Washington St. Follow Washington St. until you reach the second stop sign and turn left onto Allerton Road. This takes you out of town. It's about 2 miles to the entrance of Allerton Park and Conference Center. It will be on the right. Watch for the sign, it's easy to miss, especially after dark.

### **From Interstate 72- Exit 164:**

1. Turn off the interstate at Monticello Exit 164 onto Bridge St. which will take you into Monticello.
2. Turn right at the first stop sign onto Market Street.
3. Follow Market St. to the stop sign at Marion Street and turn right.
4. Follow Marion St. to the next stop sign and turn left onto Allerton Road. This takes you out of town. It's about 2 miles to the entrance of Allerton Park and Conference Center. It will be on the right. Watch for the sign, it's easy to miss, especially after dark.

### **From other areas of Illinois north of Champaign:**

1. Take Interstate 57 south to Champaign.
2. Take Decatur West exit on Interstate 72.
3. You will drive about 25 miles.
4. Turn off the interstate at Monticello Exit 164 onto Bridge St. which will take you into Monticello.
5. Turn right at the first stop sign onto Market Street.
6. Follow Market St. to the stop sign at Marion Street and turn right.
7. Follow Marion St. to the next stop sign and turn left onto Allerton Road. This takes you out of town. It's about 2 miles to the entrance of Allerton Park and Conference Center. It will be on the right. Watch for the sign, it's easy to miss, especially after dark.

### **From other areas of Illinois south of Champaign:**

1. Take Interstate 57 north to the Monticello Road exit.
2. Turn west on Monticello Road and cross over the interstate. Follow this road into Monticello. You will be on Washington St.
3. Follow Washington St. until you reach the second stop sign and turn left onto Allerton Road. This takes you out of town. It's about 2 miles to the entrance of Allerton Park and Conference Center. It will be on the right. Watch for the sign, it's easy to miss especially after dark.

### **Country Road Directions from Exit 164:**

1. Take exit 164 from I72. Turn left at the end of the exit and stop sign to go south back over the interstate to the first stop sign (about 0.5mile).
2. Turn right onto Route 47 (there is a brown Allerton sign nearby).
3. After about a mile watch for another Allerton sign, and as it indicates turn left (south). This is a very rough country road.
4. Follow this road until it becomes a T (about 1 mile).
5. Turn right at the T. There should be another Allerton sign there.
6. After about 0.5 mile you will turn left in the Allerton entrance road between two large brick pillars. Follow the road about 1.5 miles into the Allerton property. If you have never tried this route, I do not recommend trying it in the dark, because the brown signs are sometimes missing from year to year and you must watch for deer and potholes.

## COLLEGE ALGEBRA - A PROPOSAL

There has been much discussion within Illinois and nationwide about the need and desire for college algebra reform (see for example the article in last year's May/June *Focus* magazine). Much of the suggested reform involves increasing the modeling aspects of college algebra—an outgrowth of this movement can be seen in the recent addition of a mathematical modeling course to the Illinois Articulation Guide as a general education course. However, among a small number of 4-year institutions this reform has reinforced a long-standing practice of counting college algebra itself as a general education course. At the moment, very few (if any) community colleges offer college algebra for general education credit since the Illinois Articulation Initiative clearly does not allow this.

In order to provide a solid voice from the mathematical community on this issue, the joint ISMAA/IMACC/ICTM Ad-Hoc Committee on College Algebra drafted the statement below. This statement, if approved by the membership of both ISMAA and IMACC, would be inserted in the front of the Articulation Guide, thus providing a clear written statement to the mathematics faculty who may wish to change their institution's current policy. The statement supports the idea that college algebra cannot easily serve simultaneously the goals of quantitative literacy and preparation for later courses; thus, college algebra should not count as general education credit.

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### Proposed College Algebra Statement:

*College Algebra and Precalculus courses should continue to be taught at post-secondary institutions where needed but these courses should not fulfill general education or quantitative literacy requirements. The content and instructional pedagogy applied in these courses should continue to be reviewed with the goal of preparing students to be successful in calculus and other courses that depend on a similar level of knowledge, rigor and maturity. Adjustments to these courses should attempt to build upon appropriate changes in the K-12 curriculum that are a part of state-wide efforts to advance achievement for all students and, in particular, to smooth the transition from school to college.*

*Departments are advised not to attempt to design and teach college algebra and pre-calculus courses with the dual purpose as preparation for calculus and meeting goals for quantitative literacy and general education requirements. Expectations for mastery of the objectives considered essential preparation for subsequent calculus courses must take priority and time constraints, together with cognitive demands on the student group to be served, suggest such dual purpose courses are not likely to be successful.*

---

This statement has already been endorsed by the ISMAA board at the request of the Two-Year College Committee, a standing committee of ISMAA that tries to tackle issues directly affecting two-year institutions and the first two years of four-year institutions. The goal of this committee in general is to generate understanding, discussion, and hopefully agreement between ISMAA and IMACC on two-year issues. This committee has worked closely with IMACC's Curriculum Committee in formulating the above statement.

The Two-Year College Committee (Keven Hansen-Southwestern Illinois College, Bill Blair-Northern Illinois University, Vern Kays-Richland Community College, Laura Snook-Black Hawk College, and Patricia Kiihne-Illinois College) would like to hear from anyone who has a concern relating to this statement (or any other curriculum concern). Please feel free to contact the committee chair (Keven.Hansen@swic.edu) or Jim Harris, the chair of the IMACC Curriculum Committee or any of the members of either committee about any curricular concerns or issues of interest to you.

## NEWS BYTES

The **American Mathematical Society** has released a report titled *Statistical Abstract of Undergraduate Programs in the Mathematical Sciences in the United States*. The Conference Board of Mathematical Sciences 2000 report is a survey of undergraduate mathematics and statistics programs, containing information about mathematics and statistics majors, enrollment, and faculty. Download free at [ams.org/cbms](http://ams.org/cbms).

A web-published book, *Obtaining Resources for Technology in Education: A How-to Guide for Writing Proposals, Forming Partnerships, and Raising Funds*, by Dr. David Moursund, is available free at [darkwing.uoregon.edu/~moursund/GrantWriting](http://darkwing.uoregon.edu/~moursund/GrantWriting). It includes step-by-step directions on how to write grants in all areas of education. For more info, contact the author at [moursund@oregon.uoregon.edu](mailto:moursund@oregon.uoregon.edu).

**Convergence** is an online magazine that combines mathematics, teaching, and history to aid teachers in grades 9 - 14 to utilize mathematics history as a learning and teaching tool. The magazine can be found at [testapp.mathforum.org:8010/mason.test/convergence](http://testapp.mathforum.org:8010/mason.test/convergence).

**NASA Explores** provides weekly lesson plans that incorporate mathematics, science, and technology into activities based on NASA aeronautics and space exploration. See [www.nasaexplores.com](http://www.nasaexplores.com) for more information.

NSF has officially approved the funding for **PMET (Preparing Mathematicians for Educating Teachers)**, MAA's new initiative for helping mathematicians enhance their teaching of mathematics courses for future teachers. This program, initially funded for three years, will engage in a variety of activities including workshops. Basic information is now on the web, including application forms for all of the workshops we are planning for this summer. You get to the information as follows: <http://www.maa.org/pmet/workshops.html>. The application forms are obtained by clicking on Application Form under the workshop to which you wish to apply.

An electronic version of **ENC Focus: A Magazine for Classroom Innovators** is available online to provide full articles from the print version of the magazine. Educators can explore different educational topics in mathematics and science, share classroom experiences, and interact with article authors. To view ENC Online, visit [enc.org/focus](http://enc.org/focus).

## 2003 AMATYC INPUT AWARDS

**DEADLINE: May 15, 2003**

Is your mathematics program implementing *Crossroads in Mathematics: Standards for Introductory College Mathematics Before Calculus*? If the answer is yes, submit your mathematics program for consideration for a 2003 AMATYC INPUT Award! This award highlights exemplary mathematics programs that use technology and are revitalized in accordance with the AMATYC Standards. Eight programs have been recognized in previous rounds of the award. Each program representative was honored at an AMATYC Annual Conference and presented with a check for \$500. Support for the AMATYC INPUT Award competition is from a Central Michigan Univ grant funded by the Annenberg/CPB Project.

The *Crossroads* presents a vision and recommendations for college mathematics before calculus. Three sets of standards are presented as a foundation for reform in college mathematics:

- Standards for Intellectual Development embrace problem solving, modeling, reasoning, connecting with other disciplines, communicating, using technology, and developing mathematical power.
- Standards for Content focus on number sense, symbolism and algebra, geometry, function, discrete mathematics, probability and statistics, and deductive proof.
- Standards for Pedagogy emphasize teaching with technology, interactive and collaborative learning, connecting with other experiences, multiple approaches, and experiencing mathematics.

Applications are invited from faculty members who have developed innovative curriculum and/or pedagogy using technology in their college mathematics courses before calculus. Four awards will be made in 2003, with the awards presented at the 2003 AMATYC Annual Conference in Salt Lake City in November 2003. The (postmark) deadline for proposals for the 2003 AMATYC INPUT Awards is May 15, 2003. For more information and application materials, visit the AMATYC website at [www.amatyc.org](http://www.amatyc.org). Contact Susan S. Wood, AMATYC INPUT Award Chair, at [swood@jsr.vccs.edu](mailto:swood@jsr.vccs.edu) if you have questions. **APPLY NOW!**

## IMACC Committees 2001-2002

<p style="text-align: center;"><b>Awards</b></p> <p><b>Kim Martin *</b> Rodger Hergert Richard Diefenbach Tammi Kostos Tom McCabe Brian Mercer</p> <p style="text-align: center;"><b>Budget</b></p> <p><b>Dave Clydesdale *</b></p> <p style="text-align: center;"><b>Conference</b></p> <p><u>Publishers</u> <b>Phil Bossaers *</b></p> <p><u>Membership</u> <b>Mary Beth Beno *</b></p> <p><u>Raffle</u> <b>Bob Cappeta *</b></p> <p style="text-align: center;"><b>Curriculum</b></p> <p><b>Jim Harris *</b> John Bradburn Bob Cappetta Sandra Cox Tim Grant Jim Hajek Cathy Moushon Marilyn Zopp</p> <p style="text-align: center;"><b>Historian</b></p> <p><b>Jim Trefzger *</b></p>	<p style="text-align: center;"><b>Home Page</b></p> <p><b>Vern Kays *</b> James Jones Steve Kifowit</p> <p style="text-align: center;"><b>Math ConneXion</b></p> <p><b>Jack Mummert *</b></p> <p style="text-align: center;"><b>Membership</b></p> <p><b>Karen Froelich *</b> Brenda Alberico Sandra Cox Sunil Koswatta</p> <p style="text-align: center;"><b>Memorial Fund Scholarship</b></p> <p><b>Angie Gum *</b> Chris Cullop Diane Koenig Tony Paris Carol Schmidt</p> <p style="text-align: center;"><b>Nominations &amp; Elections</b></p> <p><b>Tim Grant *</b> Jim Harris Ruth Hartman</p> <p style="text-align: center;"><b>Program</b></p> <p><b>Ruth Hartman *</b> Tim Grant Jim Harris</p>
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## UPCOMING Annual Meetings

### IMACC

2003 Allerton Conference Center April 3 - 5 [hartmanr@bhc.edu](mailto:hartmanr@bhc.edu)

2004 Allerton Conference Center April 15 - 17 [tim.grant@swic.edu](mailto:tim.grant@swic.edu)

### AMATYC

2003 Salt Lake City, Utah November 13 - 16 [amatyc@stcc.cc.tn.us](mailto:amatyc@stcc.cc.tn.us)

2004 Orlando, Florida November 18 - 21

2005 San Diego, California November 10 - 13

2006 Cincinnati, Ohio November 2 - 5

2007 New Orleans, Louisiana November 15 - 18

### ICTM

2003 Chicago, Illinois October 16 - 18 [samu303@aol.com](mailto:samu303@aol.com)

2004 October 14 - 16

2005 October 13 - 15

### NCTM

2003 San Antonio, Texas April 10 - 12 [nctm.org/meetings](http://nctm.org/meetings)

2004 Philadelphia, Pennsylvania April 22 - 24

2005 Anaheim, California April 7 - 9

2006 Kansas City, Missouri April 27 - 29

### ISMAA

2003 Illinois College, Jacksonville March 28-29, 2003 [Carol.Schmidt@ilcc.cc.il.us](mailto:Carol.Schmidt@ilcc.cc.il.us)

## DELEGATES AND REPRESENTATIVES

AMATYC	Delegates	Other Mathematics	Organizations
<b><u>Affiliate Delegates</u></b>		<b><u>ISMAA</u></b>	
Jim Harris	John A. Logan College	Sandra Cox	Kaskaskia Community College
Ruth Anne Hartman	Black Hawk College		
Vern Kays	Richland Community College	<b><u>MOMATYC</u></b>	
Tim Grant	Southwestern Illinois College	Tim Grant	Southwestern Illinois College
<b><u>Alternate</u></b>		<b><u>NCTM</u></b>	
Brian Mercer	Parkland College	Betty Truit	Black Hawk College
<b><u>State Delegates</u></b>		<b><u>Alternate</u></b>	
Carole Ann Bauer		Tim Grant	Southwestern Illinois College
Richard Diefenbach	Shawnee Community College		
Suzanne Stock			

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**IMACC Individual Membership Form  
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Home Address: \_\_\_\_\_ School Address: \_\_\_\_\_

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To which of the above addresses do you wish to have correspondence sent?      HOME      SCHOOL

Do you wish your name distributed with the IMACC database?      YES      NO

**Membership Fees:      1 Year → \$ 7.00      3 Years → \$ 19.00      5 Years → \$ 29.00**

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**Please make checks payable to: IMACC**

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