

The Math Connexion

Newsletter of the Illinois Mathematics Association of Community Colleges

<http://www.imacc.org>

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President's Message

As we drove "through" Bay City, Wisconsin yesterday, my thoughts were of IMACC friend Dan Gardner and his entertaining talk at the Allerton meeting several years ago. We had spent the beautiful fall weekend with friends - taking a tour of Frank Lloyd Wright's Taliesin at Spring Green, visiting our grandchildren in Minnesota, and riding the bicycle trail from Cannon Falls to Red Wing. While we all enjoy these last few fine fall days, we are reminded that time goes quickly and we (and hopefully our students as well) have reached the midpoint in our courses for the semester.

On behalf of IMACC, I want to wholeheartedly welcome all new faculty teaching mathematics at a community college in Illinois. As members, please don't forget to invite new and adjunct faculty in your department to join IMACC and to attend the annual meeting at Allerton House, April 3-5, 2003. Individual and institutional membership application forms are included in this issue as well as online at www.imacc.org. Check the mailing label on this issue to verify that your own membership is current.

IMACC officers and board members drove to Moline for the fall Board meeting on Saturday, October 5. I appreciate the effort and time commitment of those who serve IMACC in this way. We had several important decisions to make. The most difficult was to raise the conference registration and institutional membership fees to \$250 this year. The Allerton conference center revised their structure for charges last year, and although we raised the fees paid for registration at that time, it was necessary to use more than \$3000 (above institutional membership dues) from general funds to pay the 2002 Allerton bill. We discussed possible measures to cut costs and even the need to possibly look elsewhere for hosting the IMACC annual meeting. I have appointed a committee, which will be chaired by former IMACC president Lisa Benson, to work with the conference center on cost containment and also to investigate alternatives for holding the meeting at other locations.

The board approved increasing IMACC scholarship awards to a maximum total of \$2500, with no more than \$1000 to be awarded per recipient. Memorial Fund Scholarship application forms (due February 28, 2003) are available online, as well as printed in this newsletter. Black Hawk College provided box lunches as we continued working.

There is interest in establishing an IMACC Committee on Assessment. Board members will visit the AMATYC Placement and Assessment committee meeting in Phoenix to investigate possibilities. We have had good sessions at Allerton in the past. I believe such a committee could be helpful to members who are revising how they assess student learning outcomes, but the committee could be whatever our members want it to be. Please e-mail me if you have suggestions as to how such a committee might help you.

At this time, the awards committee should be reviewing applications for the new IMACC Award for Teaching Excellence. The board would like to forward the nomination of the recipient for the AMATYC regional award by December. Information about IMACC awards and a form to nominate colleagues for Life Membership are available on the IMACC website.

If you are interested in serving IMACC as an officer, board member, or on a committee, I'm sure that President-elect and chair of the Nominations Committee Tim Grant would appreciate hearing from you.

The IMACC website is a valuable resource. Check it out. Your suggestions are welcome. We are in the process of collecting e-mail contact information for the mathematics department chair and/or math coordinator for each community college in Illinois. These leaders will have a break-out session to "meet and share" at the Allerton conference. If your e-mail

(Continued on next page ...)

President's Message Continued

address has changed, send that information to Dave Clydesdale so that part of the IMACC database can be updated.

I hope to see many of you at the AMATYC meeting in Phoenix, November 14-17. IMACC will be well represented by delegates, attendees, and members on the program. I found that at least nine IMACC members are presenting sessions.

We are finalizing the program for the Allerton conference (April 3-5, 2003) and have taken many of your suggestions from the 2002 conference evaluation forms. There will be a variety of presentations including calculus, statistics, assessment, linear algebra, mathematics teacher education, as well as a session for new or adjunct faculty. If you have other ideas for the program, please share them with me soon.

Ruth Anne Hartman, President

NEWS BYTES

The NASA Office of Space Science's **IDEAS Grant Program** offers start-up funding for innovative education programs featuring collaboration between astronomers or space scientists and grades K-14 or informal science education professionals. Requests for funding can be made for up to \$50,000. The submission deadline is October 25. For more information and the Call for Proposals, see the web site: ideas.stsci.edu or e-mail: ideas@stsci.edu.

The Calculus Consortium for Higher Education (CCHE) announces **one-year grants of \$25,000 or less** for workshops, meeting, conferences, or research projects for improving mathematics teaching in high school through university. Submit proposals (fewer than five pages, along with a budget on NSP Form 1030) by November 15, 2002, to CCHE, P.O. Box 22333, Carmel, CA 93922; e-mail cche@redshift.com; fax (831) 624-7571. For more information, contact Thomas Tucker, e-mail ttucker@mail.colgate.edu; address Mathematics Dept., Colgate University, Hamilton, NY 13346.

The 24th Annual **National Conference of the American Indian Science and Engineering Society (AISES)** will take place November 7-10, in Tulsa, Oklahoma. The event will include a career fair, nationally recognized speakers, panel discussions, and workshops for students, teachers, and education professionals. The off-site registration deadline is 5:00 p.m. PST on November 1. For more information, see the website aises.org/conference/2002confgeneral.html, or contact Susan Gibson at phone (303) 772-7062 or e-mail susan@aises.org.

The American Mathematical Society (AMS) and Mathematical Association of America (MAA) will hold their **Joint Mathematics Meeting** January 15-18, 2003, in Baltimore. Registration is \$190 (AMS, ASL, CMS, MAA, or SIAM members) and \$295 for non-members until December 19, 2002, and \$247 and \$383, respectively, afterward. For more information, see the website: www.ams.org/amsmtge/2004_faq.html, or contact AMS e-mail meet@ams.org; address American Mathematical Society, 201 Charles St., Providence, RI 02940-6248; phone (800) 321-4AMS or (401) 455-4000; fax (401) 331-3842.

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	2002
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	2002
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	2002
Olney Central College	2002
Parkland College	2003
Prairie State College	2002
Richland Community College	2002
Rock Valley College	2002
Saint Xavier University	2002
South Suburban Community College	2003
Southwestern Illinois College	2002
Waubensee Community College	2002
William Rainey Harper College	2002

IMACC NEWS AND NOTES

College of DuPage.....Brenda Alberico
College of DuPage welcomes four new mathematics faculty: Jack Pripusich, Barb Loughead, Zia Mahmood and Christy Peterson. Jack and Barb have both worked for the college as part-time instructors.

Remember to submit news to the Math ConneXion. We need input on new hires, retirements, awards, accomplishments, conferences, competitions, etc.

Deadline for Submissions

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

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

jmummert@sic.cc.il.us

Nominations for IMACC Memorial Fund Scholarship

Please consider nominating a deserving student from your institution for the IMACC Memorial Fund Scholarship. Complete information about this award is provided on the faculty information form included in this issue of The Math ConneXion. Also included are the faculty nomination form and the student information form.

For a student to be considered, the faculty nomination form, the student information form, and the student's supporting materials must be completed and received by the IMACC Memorial Fund Scholarship Committee Chairperson, Angie Gum, no later than March 1, 2003.

IMACC MEMORIAL FUND SCHOLARSHIP FACULTY INFORMATION FORM

Philosophy: The IMACC Scholarship is awarded annually to a student attending an Illinois two-year or four-year college meeting all of the eligibility criteria stated below and selected by the IMACC Scholarship Committee. The scholarship is awarded in memory of James Armstrong, a University of Illinois Professor until his death. Mr. Armstrong was instrumental in establishing the Allerton Conferences and in fostering better relations between two-year and senior colleges.

The scholarship provides approximately \$750 or more to the selected recipient to help defray the costs encountered at an institution of higher education. The money may be used for whatever purpose the recipient deems necessary.

Eligibility Criteria: Students meeting all of the criteria may apply for the IMACC Scholarship. If, in the opinion of the Selection Committee, there is no bonafide candidate, the scholarship will not be awarded that year. The IMACC Board may elect at the spring meeting to carry over the funds to the next year. The decision of the Committee is final.

1. The applicant must be a citizen of the United States. The individual must have a cumulative grade point average of B or better; 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 a community college.
2. An applicant must be intending to complete a degree in mathematics education (preferred), or mathematics.
3. Each applicant must be nominated by a current member of IMACC or faculty from an institutional member who must submit a statement of his/her rationale for nominating the applicant. This written statement must be sent to the Chair of the Selection Committee under separate cover from that of the student application. The written nomination must not exceed one double-spaced typewritten page. Four copies are required. It is emphasized that the person nominating a student shall not assist the student in the writing of his/her personal statement.
4. The applicant must submit a written application and transcript of courses and grades. Details concerning career objectives, work experiences, financial need, general philosophy of education, and other information that is felt to be helpful in assisting the Selection Committee should be included. The written application must not be longer than five double-spaced standard typewritten pages. Four copies are required. These copies must sent under separate cover to the Chair of the Selection Committee.
5. The deadline for receiving applications is March 1 of the school year.

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 institution of higher education in the State of Illinois as a full-time student. Full-time student 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.

The scholarship will be awarded to an individual student only once. The student may, however, have his/her name submitted a maximum of two times.

**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 _____

Signature _____

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.

FREE

NASA Distance Learning Programs

FREE

Connect Classrooms to “Real World” Mathematics and Science

Research- and Standards-Based Programs Introduce Students to Inquiry And Proportional Reasoning

For the past seven years, the NASA Center for Distance Learning (<http://dlcenter.larc.nasa.gov>) has been offering educators and students a unique opportunity to learn about mathematics, science, technology, and NASA. The model that shapes the development of the Center’s programs is inclusive of technology; provides for interactive learning; and used technology to help develop inquiry, scientific thinking, proportional reasoning, and problem-solving skills. These multimedia instructional distance learning programs are research-and standards-based and use NASA programs, facilities, and researchers to establish a "connection" between the mathematics, science, and technology concepts taught in the classroom and the mathematics, science, and technology used every day by NASA researchers. These FREE and “not copyrighted” programs use technology to support new instructional models of teaching and learning such as project-based and problem-based learning. The two programs listed below include a telepresence, to which broadcast and off air rights to these programs are unlimited and granted in perpetuity; a printed curriculum guide, which introduces and reinforces specific learning objectives and outcomes; and web-based activities, which include student experiments and help build vocabulary, problem-solving skills and further student understanding of mathematical, scientific, and technical concepts. However, educators are required to register for the NASA SCIENCE Files™ and NASA CONNECT™. Visit the respect web-sites for on-line registration, satellite coordinates, and the 2002-2003 program schedules.

NASA SCIENCE Files™ URL: http://scifiles.larc.nasa.gov Requires Teacher Registration	NASA CONNECT™ URL: http://connect.larc.nasa.gov Requires Teacher Registration
The NASA SCIENCE Files™ is a research- and standards-based, Emmy® award-winning series of 60-minute instructional (television and web-based) programs for students in grades 3-5. Programs are designed to introduce students to NASA; integrate mathematics, science, and technology through the use of Problem-Based Learning (PBL), scientific inquiry, and the scientific method; to motivate students to become critical thinkers and active problem solvers; and to introduce students to careers requiring proficiency in math, science, and technology. The series includes an instructional broadcast, a companion educator's guide, an interactive web site featuring a PBL activity, plus a wealth of instructional resources. The NASA SCIENCE Files™ airs nationally on Cable Access, ITV, and PBS-member stations and can be taped for later use.	NASA CONNECT™ is a research- and standards-based, Emmy® award-winning series of mathematics-focused, instructional (television and web-based) programs for students in grades 6 - 8. The series includes a 30-minute instructional broadcast, a companion lesson guide, and an interactive web-based application. Programs are designed to establish a connection between the mathematics, science, and technology concepts taught in the classroom to those used every day by NASA researchers. The lesson guide, containing a hands-on activity and the web-based application reinforce and extend the objectives presented in the program. NASA CONNECT™ airs nationally on Cable Access, ITV, and PBS-member stations and can be taped for later use.

Television Broadcasts

You can get the television broadcasts of the NASA SCI Files™ and NASA CONNECT™ programs at:

! PBS and ITV stations - check listings for broadcast times ! Viewing on the Web through NASA's Learning Technologies Channel (http://quest.arc.nasa.gov/events/sci/index.html) and (http://quest.arc.nasa.gov/events/connect/index.html);	! Down linking the broadcast ! Obtaining video copies from the NASA Educator Resource Center in your state (http://education.nasa.gov/ercn) and from NASA Central Operation of Resources for Educators (http://core.nasa.gov)
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Contact NASA CORE for a catalog of multimedia educational materials at NASA CORE, 15181 State Route 58 South, Oberlin, OH 44074
 phone: (440) 775-1400, fax: (440) 775-1460, E-mail: nasaco@leeca.org

Both the NASA SCI Files™ and NASA CONNECT™ are closed captioned and their corresponding web sites are 508 compliant.

NASA Resources for Educators

Additional resources for NASA-related materials to support educators are provided on the following Web sites:

! http://www.education.nasa.gov ! http://www.nasa.gov/enterprises.html ! http://edu.larc.nasa.gov ! http://ksnn.larc.nasa.gov	! http://live.larc.nasa.gov ! http://destination.larc.nasa.gov ! http://spacelink.nasa.gov ! http://quest.nasa.gov
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The NASA Center for Distance Learning

The NASA Center for Distance Learning is the home for some of the Agency's most exciting and inspiring K-12 instructional/educational programs. Created in 1996 and located in Hampton, VA at the NASA Langley Research Center's Office of Education, the NASA Center for Distance Learning is committed to enhancing and enriching the teaching and learning of mathematics, science, and technology. The Center offers a variety of distance learning programs that (1) combine the power and strength of several educational technologies to inspire educators and students in grades K-16 and (2) help inspire the next generation of explorers "as only NASA can".

As part of its program of continuous improvement, NASA's Center for Distance Learning is always looking for feedback from educators. If you are a registered user, let us know what you think about our programs. If you want to learn more about our program, visit our web site (<http://dlcenter.larc.nasa.gov>); call us at (757) 864-6100.

Thomas E. Pinelli, Ph.D.
Director, NASA Center for Distance Learning

Allerton House History and Information

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.

Hope to see you at Allerton!

Beth Beno

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 dclidesd@ameritech.net.

Dave Clydesdale

IMACC Committees 2001-2002

<p>Awards</p> <p>Kim Martin * Rodger Hergert Richard Diefenbach Tammi Kostos Tom McCabe Brian Mercer</p> <p>Budget</p> <p>Dave Clydesdale *</p> <p>Conference</p> <p><u>Publishers</u> Phil Bossaers *</p> <p><u>Membership</u> Mary Beth Beno *</p> <p><u>Raffle</u> Bob Cappeta *</p> <p>Curriculum</p> <p>Jim Harris * John Bradburn Bob Cappetta Sandra Cox Tim Grant Jim Hajek Cathy Moushon Marilyn Zopp</p> <p>Historian</p> <p>Jim Trefzger *</p>	<p>Home Page</p> <p>Vern Kays * James Jones Steve Kifowit</p> <p>Math ConneXion</p> <p>Jack Mummert *</p> <p>Membership</p> <p>Karen Froelich * Brenda Alberico Sandra Cox Sunil Koswatta</p> <p>Memorial Fund Scholarship</p> <p>Angie Gum* Chris Cullop Diane Koenig Tony Paris Carol Schmidt</p> <p>Nominations & Elections</p> <p>Tim Grant * Jim Harris Ruth Hartman</p> <p>Program</p> <p>Ruth Hartman * Tim Grant Jim Harris</p>
<p>Southeastern Illinois College Rock Valley College Shawnee Community College McHenry County College William R Harper College Parkland College</p> <p>William R Harper College</p> <p>Parkland College</p> <p>South Suburban College</p> <p>College of DuPage</p> <p>John A. Logan College Elgin Comm. College, retired College of DuPage Kaskaskia Community College Southwestern Illinois College Lincoln Land CC, retired Elgin Community College McHenry County College</p> <p>Parkland College</p>	<p>Richland Community College Richland Community College Prairie State College</p> <p>Southeastern Illinois College</p> <p>William R. Harper College College of DuPage Kaskaskia Community College William R. Harper College</p> <p>Lincoln Land Comm. College Kishwaukee College Rock Valley College Carl Sandburg College Lincoln Land Comm. College</p> <p>Southwestern Illinois College John A. Logan College Black Hawk College</p> <p>Black Hawk College Southwestern Illinois College John A. Logan College</p>

<p>* Committee Chair Contact Information</p> <p>If the chair is a Board member, see the last page for contact information. If the chair is an Officer, see the front page for contact information. Other chairs are listed in this table.</p>	<p>Mary Beth Beno South Suburban Community College 15800 State Street South Holland, Illinois 60473 708 596-2000 Ext. 2333 mbeno@southsuburbancollege.edu</p> <p>Karen Froelich William R. Harper College 1200 West Algonquin Road Palatine, Illinois 60067 kfroelic@harper.cc.il.us</p> <p>Vern Kays Richland Community College One College Park Decatur, Illinois 62521 217 875-7211 Ext. 478 vkays@richland.cc.il.us</p>	<p>Phil Bossaers Parkland College 2400 West Bradley Avenue Champaign, Illinois 61821 217 353-2691 pbossaers@parkland.cc.il.us</p> <p>Jack Mummert Southeastern Illinois College 3575 College Road Harrisburg, Illinois 62946 618 252-5400 Ext. 2220 jmummert@sic.cc.il.us</p> <p>Jim Trefzger Parkland College 2400 W. Bradley Avenue Champaign, Illinois 61821 217 373-3744 jtrefzger@parkland.cc.il.us</p>
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Free Website Solutions to Tough Math Homework Problems

Tutorial explanations on an award-winning site - www.hotmath.org - are coordinated with textbook problems. Hotmath has been approved by the State of California Learning Resource Network and has received the *District Administration Magazine* 2002 Website Award for Mathematics.

Hotmath offers immediate help for the actual problems in a limited selection of textbooks. Students go to hotmath.org, select the textbook, page and problem number, and find a self-paced series of hints, explanations, and questions that guide them through a step-by-step solution. Over 75 professors and teachers around the country helped create the Hotmath tutorial solutions. Published research shows that viewing worked-out solutions to homework problems is superior to struggling, according to Grant, a Ph.D. from UC Berkeley who has been a Silicon Valley entrepreneur and a math teacher to at-risk high school students.

The site was introduced last year as a for-pay site, but is now free with no registration required. "We helped over 4000 students overcome their math anxiety last year," said Grant. "We now want to reach out to all students, so we are asking corporations for sponsorships to keep the site free."

<u>Contacts:</u>	<p>Chuck Grant Hotmath, Inc. 510.524.5525 chuck@hotmath.org</p>	<p>Bob Bekes Math Department Santa Clara University 408.554.4883 rbekes@scu.edu</p>
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Editor's Note:

I visited this website before deciding to include an edited version of their press release in this article. I found the site to be helpful. However, the number of supported textbooks is very limited. In addition, most of the site was geared toward high school math courses. I do think it might be of benefit to pre-calculus and calculus students. Let me know what you think.

UPCOMING CONFERENCES

IMACC		Contact:	hartmanr@bhc.edu
2003	Annual Meeting	Allerton Conference Center	April 3 - 5
2004	Annual Meeting	Allerton Conference Center	April 15 - 17
AMATYC		Contact:	amatyc@stcc.cc.tn.us
2002	Annual Conference	Phoenix, Arizona	November 14 - 17
2003	Annual Conference	Salt Lake City, Utah	November 13 - 16
2004	Annual Conference	Orlando, Florida	November 18 - 21
2005	Annual Conference	San Diego, California	November 10 - 13
NCTM		Contact:	annlmtg@nctm.org or nctm.org/meetings
2003	Annual Conference	San Antonio, Texas	April 10 - 12
2004	Annual Conference	Philadelphia, Pennsylvania	April 22 - 24
2005	Annual Conference	Anaheim, California	April 7 - 9
2006	Annual Conference	Kansas City, Missouri	April 27 - 29
ICTM		Contact:	samu303@aol.com
2003	Annual Meeting	Chicago, Illinois	October 16 - 18
2004	Annual Meeting		October 14 - 16
2005	Annual Meeting		October 13 - 15

DELEGATES AND REPRESENTATIVES

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

IMACC Scholarship Fund 2002 - 2003

	97 - 98	98 - 99	99 - 00	00 - 01	01 - 02	02 - 03
Balance on Hand July 1	\$14,544.96	\$13,424.42	\$15,984.52	\$16,850.90	\$17,798.93	\$18,996.17
Income						
Int. CD (6/5/01 4.75%)	\$275.02	\$277.96	\$252.46	\$264.03	\$261.98	\$67.91
Interest on CD (Closed)	\$164.28	\$75.00				
Int. CD (10/3/00 5%)		\$181.18	\$284.49	\$349.20	\$397.42	\$138.46
Interest on Savings	\$131.16	\$91.96	\$109.43	\$116.80	\$64.84	
Donations	\$73.00	\$237.00	\$127.00	\$218.00	\$242.00	\$3.00
Prob/Stat Donation		\$680.00	\$350.00		\$250.00	
Raffle		\$1,737.00	\$602.00		\$1,072.00	
Lapel Pins	\$15.00	\$10.00				
LAG (pool tournament)	\$20.00	\$95.00	\$75.00		\$146.00	
Golf Outing						
Combinatorics		\$38.00	\$16.00		\$60.00	
Yahtzee						
Piano Player			\$50.00			
Return Scholarship Money						
Bingo		\$137.00				
Transfer From Checking					\$1,000.00	
Total Income	\$678.46	\$3,560.10	\$1,866.38	\$948.03	\$3,494.24	\$209.37
Expenses						
Scholarships	\$1,500.00	\$1,000.00	\$1,000.00		\$2,200.00	\$500.00
Lapel Pins	\$299.00					
Transfer to Checking					\$97.00	
Total Expenses	\$1,799.00	\$1,000.00	\$1,000.00	\$0.00	\$2,297.00	\$500.00
Balance on Hand June 30	\$13,424.42	\$15,984.52	\$16,850.90	\$17,798.93	\$18,996.17	\$18,705.54
Statement of Accounts						
LaSalle Savings	\$5,089.71	\$5,253.55	\$5,582.98	\$5,917.78	\$6,455.62	\$5,958.62
WSB CD	\$5,045.96	\$5,186.04	\$5,438.50	\$5,702.53	\$5,964.51	\$6,032.42
LaSalle Bank CD (Closed)	\$3,288.75	\$0.00				
WSB CD		\$5,544.93	\$5,829.42	\$6,178.62	\$6,576.04	\$6,714.50
Total of Accounts	\$13,424.42	\$15,984.52	\$16,850.90	\$17,798.93	\$18,996.17	\$18,705.54

IMACC General Fund

2002 - 2003

	97 - 98	98 - 99	99 - 00	00 - 01	01 - 02	02 - 03
Balance on Hand July 1	\$9,399.20	\$9,433.94	\$13,651.44	\$13,812.77	\$16,271.29	\$9,576.48
Income						
Interest on CD	\$247.31	\$254.62	\$264.94	\$320.30	\$220.82	\$53.86
Interest on Checking	\$51.80					
Individual Dues	\$1,262.00	\$1,453.00	\$1,576.00	\$1,442.00	\$1,708.00	\$133.00
Institutional Dues	\$2,530.00	\$3,205.00	\$2,275.00	\$3,600.00	\$3,850.00	\$600.00
Transfer from Scholarship	\$1,799.00	\$6,363.75	\$1,058.00		\$2,200.00	\$500.00
Scholarship Donations with Dues	\$73.00	\$177.00	\$87.00	\$218.00	\$232.00	\$3.00
Allerton Conference Fees		\$175.00	\$191.00		\$220.00	\$25.00
AMATYC						
Sweatshirt Sales						
Used Computer Sale						
Uncashed Check #151	\$20.00				\$283.46	
Returned Checks						\$198.75
Scholarship Interest						
Total Income	\$5,983.11	\$11,628.37	\$5,451.94	\$5,580.30	\$8,714.28	\$1,513.61
Expenses						
IMACC Scholarships	\$1,750.00		\$1,250.00	\$500.00	\$1,200.00	\$500.00
Transfer to Scholarship Fund	\$94.00	\$5,539.75	\$87.00	\$218.00	\$1,232.00	\$3.00
Lapel Pins						
AMATYC Registration	\$330.00	\$195.00	\$200.00		\$285.00	
AMATYC 2000			\$256.66	\$112.26		
Hospitality Room	\$200.00		\$200.00	\$200.00	\$200.00	
NCTM Affiliate Dues	\$65.00	\$65.00	\$65.00	\$75.00	\$150.00	
Allerton House Conference	\$2,188.22	\$482.35	\$1,814.93		\$10,579.90	
Allerton Speakers		\$250.00		\$1,695.00	\$1,310.00	
Misc. Conference Supplies						
Allerton Refunds		\$475.00		\$125.00	\$50.00	
Connexion Expenses	\$1,212.84	\$218.46	\$546.15			
Awards	\$108.31	\$81.06	\$62.59	\$118.25	\$150.00	
Computer Supplies			\$50.00			
Postage			\$35.80	\$47.52	\$39.44	
Checks			\$17.40		\$14.00	
Treasurer's Bond			\$115.00			
Replace Check #286						
Anniversary Expenses			\$590.08			
Anniversary Booklet						
Print By-Laws		\$89.25				
Service Charge		\$15.00		\$6.75		
Returned Check				\$24.00	\$198.75	
Total Expenses	\$5,948.37	\$7,410.87	\$5,290.61	\$3,121.78	\$15,409.09	\$503.00
Balance on Hand June 30	\$9,433.94	\$13,651.44	\$13,812.77	\$16,271.29	\$9,576.48	\$10,587.09
Statement of Accounts						
LaSalle Checking	\$4,069.69	\$8,032.57	\$7,928.96	\$10,067.18	3151.55	\$4,108.30
Washington State Bank CD	\$5,364.25	\$5,618.87	\$5,883.81	\$6,204.11	6424.93	\$6,478.79
Total of Accounts	\$9,433.94	\$13,651.44	\$13,812.77	\$16,271.29	\$9,576.48	\$10,587.09



**IMACC Individual Membership Form
2002-2003**

Name: _____ School: _____

Home Address: _____ School Address: _____

City: _____ State: ____ Zip: _____ City: _____ State: ____ Zip: _____

Phone: (____) _____ Phone: (____) _____

E-mail: _____

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

_____ + _____ = _____
Membership Fee Scholarship Contribution Total Enclosed

Please make checks payable to: IMACC

Mail to: IMACC, c/o Dave Clydesdale, 1370 N. Oakmont Road, Hoffman Estates, Illinois 60194

**IMACC Institutional Membership Form
2002-2003**

Invoice: 200102

Membership Dues: \$ 250.00 per year

IMACC Tax I.D. #: 371127733

Amount Enclosed: _____

Date: _____ Signed: _____ Title: _____

Please Complete The Following Information

School: _____ President: _____

Address: _____ Vice-President: _____

City: _____ State: ____ Zip: _____ Contact Person: _____

Phone: (____) _____ Contact Phone: (____) _____

Contact E-mail: _____

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