OHIO FOCUS

The Ohio Section Newsletter

Volume 6 | Fall, 2001 | Number 9

Fall Meeting at Marietta October 26-27

McDonough Center, Marietta College

The Fall meeting will be held on the campus of Marietta College, in Marietta, which is on the Ohio River in scenic southeastern Ohio. Registration and sessions will be held in the McDonough Center (left). Complete details about the program, directions, motels, and registration appear on pages 8-11.

The invited talks feature Ann Watkins, President of the MAA, Edward Burger, MAA Pólya Lecturer, and Jerry Moreno, Ohio Section teaching award winner, of John Carroll University. Sessions begin at 1:30 p.m. on Friday, and continue until 12:30 p.m. on Saturday.

An MAA Grant Writing Workshop will follow the meeting in the afternoon on Saturday (see below). The meeting will be preceded by the Ohio Project NExT workshop on Thursday and

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Section Teaching Award

Professor Alan Stickney of the Department of Mathematics and Computer Science at Wittenberg University is the tenth recipient of the prestigious *Award for Distinguished College or University Teaching of Mathematics*. The award was presented to Stickney during the recent spring meeting at Bowling Green.

The Teaching Award is bestowed on faculty members who are widely recognized as successful teachers, have an influence in their teaching of mathematics beyond their own institutions and foster curiosity and excitement about mathematics in their students. Barbara Ashton, Stickney's colleague at Wittenberg, read the citation at the award ceremony noting how well his

(Continued on Page 6.)

MAA Grant Writing Workshop

The MAA is sponsoring a number of workshops around the country. The Ohio workshop will follow the Fall meeting on Saturday afternoon.

Jeff Knisley will present the workshop. He is an Assistant Professor in the Department of Mathematics at East Tennessee State University. He has been involved with grants from many agencies, including the National Science Foundation and the National Institutes of Health. However, he wrote his first grant only after participating in a grant writing workshop similar to the ones he now conducts.

The workshop is designed to meet the needs of faculty who are interested in obtaining National Science Foundation or other external support in order to improve their course or curriculum offerings. The workshop will contain information on the availability of funding (current priorities include teacher preparation, the adaptation of new approaches being developed nationally, undergraduate courses at all levels,

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Section Governor's Report

August's MathFest in Madison, WI was a great success. Many Ohio Section members were in attendance. The Board of Governors met on the Wednesday before the conference and covered its 98-page agenda within the 8-hour limit. Of interest to all of us are our next national meetings:

The winter MAA meeting will be in San Diego, Sunday, January 6 to Wednesday, January 9, 2002. As soon as Ohio's snow starts flying we can begin to look forward to an exhiliarating mathematical experience in beautiful, warm surroundings. Chairing the Program Committee for this meeting is Art Benjamin, whom we all remember fondly from our spring Ohio Section meeting, so we know the program will be good and also entertaining. Invited speakers include Andrew Granville, Manuel Berriozabel, Susan Landau, David Pengelley, and one of my all-time favorites, Persi Diaconis. In addition Thomas Banchoff will be giving his Retiring MAA Presidential address.

Other national MAA meetings approved by the Board are: Burlington, VT, August 1-3, 2002 [Thursday through Saturday]; Baltimore, MD, January 15-18, 2003 [Wednesday through Saturday]; [Summer 2003: Date and place not yet set]; Phoenix, AZ, January 7-10, 2004 [Wednesday through Saturday]; Atlanta, GA, January 5-8, 2005 [Wednesday through Saturday]; San Antonio, TX, January 12-15, 2006 [Thursday through Sunday]; New Orleans, LA, January 4-7, 2007 [Thursday through Sunday].

At our spring Section meeting in Bowling Green, we started a tradition of honoring those in our Section who have been members of the MAA for 25 or 50 years. As a result, 13 members of our Section received certificates and invitations for a complimentary banquet at our meeting. Ohio Section members completing 25 years of MAA membership this year are: Mark Baron, Dean Brown, Pierre Delsemme, Robert Dieffenbach, David Herron, David Hull, David Meronk, Jerry Moreno, and Timothy Riggle. Those completing 50 are: Samuel Goldberg, Luther Shetler, Marion Wetzel, and Howard Wicke. Honorees in attendance at our spring meeting were: Dean Brown, Robert Diefenbach, Jerry Moreno, and Luther Shetler.

Many MAA members were among those on hand to host the International Mathematical Olympiad in Washington, DC July 1-14, 2001. At http://imo.wolfram.com you can look at the problems if you wish to try them and compare your results to the scores of the almost 500 high school participants from the 83 participating countries. You can also look there to find a brief history of the IMO, pictures and biographical information for the participants in IMO 2001, and a wealth of other information. Paul Wellin from Mathematica did a tremendous job pulling all this information together for us.

All Section committee members should familiarize themselves with the MAA Conflict of Financial Interest Policy, which is posted on MAA Online.

The MAA continues to add to its outstanding list of publications. Be sure to check the MAA book display at our Marietta meeting, since our Section will profit from the purchases you make there.

Leo Schneider
leo@jcu.edu

New Section Officers

The President of the Ohio MAA for the past year, Judith Palagallo from the University of Akron, turned over the reins of that leadership at the Annual meeting to the new President, Tom Gantner from the University of Dayton. Judy succeeds to Past-President, and the current Past-President, Aparna Higgins of the University of Dayton, moves on to chair the Nominating Committee, joining Roger Marty of Cleveland State and Leo Schneider of John Carroll. Leo continues to serve as Section Governor.

Harold Putt, from Ohio Northern University, was elected President-Elect with James Sellers of Cedarville University elected for a three-year term on the Program Committee, joining Dwight Olson of John Carroll, who becomes chair, and Sherri Brugh of Mount Union College.

Gantner, a graduate of Purdue University, specializes in the study of rings of continuous functions. More details on page 3.

Putt did his graduate work at Bowling Green State University where he wrote his dissertation on ordered permutation groups under the direction of W. Charles Holland. He has been a member of the MAA and the Ohio Section since 1973. Over the years he has served on the Program Committee (the third year as chair), CONCUR (two terms, one year as chair), and CONTEAC, and he is currently a member of CONSACT.

Sellers, who has written papers in number theory and combinatorics, did his graduate work at Penn State under the direction of David Bressoud. He recently chaired CONTEAC and CONSTUM. He also handled the local arrangements at Cedarville for CONSACT's summer short course last year. Unfortunately, for us, James is leaving the Section for a new position at Penn State. A replacement will be selected in accordance with the *Bylaws*.

Gantner, as the new President, has appointed a number of Section members to other posts and committees. The complete list is on page 4. The duties of officers and committes may be found in the *Bylaws*, a copy of which is on the web.

Special thanks to Jon Dunlap, BGSU, for assistance with the production of this newsletter.

OHIO FOCUS

The newsletter of the Ohio Section of the Mathematical Association of America, which first appeared in 1973, is published twice yearly in time to reach members before the fall and spring meetings. Newsletters are sent using labels provided by the MAA.

Editor:
Thomas Hern
Department of Mathematics and Statistics
Bowling Green State University
Bowling Green OH 43403-0221
USA
419-372-7450, Fax 372-6092
hern@wcnet.org

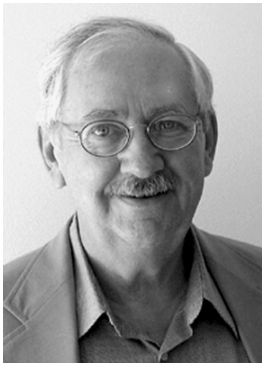
Deadline for next newsletter is
February 15, 2002
Email copy preferred. No Word documents please.

This information will also be posted, and updated, on the web page: www.maa.org/Ohio.

Thomas Gantner
Section President
2001-2002

Thomas Gantner of the Department of Mathematics at the University of Dayton became President of the Ohio Section at the recent Annual Meeting held at Bowling Green State University, after serving as President-Elect.

Gantner, a native of Brookville, Indiana, began his mathematical career as an undergraduate at the University of Dayton, where in 1962 he earned his Bachelor's degree graduating magna cum laude. After completing his Ph. D. at Purdue University, he returned to Dayton in 1966 as a faculty member and rose in the ranks to full professor and chair of his department.



"Fuzzy mathematics" is often a buzz word in national politics. However, actual fuzzy mathematics is a serious professional topic, of which Gantner is an expert, having presented papers on the topic at international meetings in Brazil, New Orleans, Nova Scotia, Vancouver BC and Korea. His expertise as a consultant has been sought on the subject by various businesses including Union Camp, Boise Cascade and Crown-Zellerbach Corporation. Gantner has analyzed human perception of brightness of office papers using fuzzy mathematics with colleagues P. Lim and R. Steinlage.

One of the emphases of the Ohio MAA is the teaching of mathematics. Gantner has presented a number of workshops to his colleagues on the topics of calculus and discrete mathematics. More recently he has lectured on the teaching of calculus for Advanced Placement Workshops for High School Science Teachers.

Delene Perley, PIO

(Workshop, continued from Page1.)
and community colleges), advice on how to write proposals, and technical information on preparing budgets and submitting proposals.

While anyone is welcome to attend, the workshop will focus on the needs of those who have written no or few successful national proposals. More details on page 8.

President's Column

Are you looking for funding to support your work? Do you have a colleague who is looking for such funding? If so, please register, and encourage your colleagues to register, for the Grant Writing Workshop that we anticipate offering on Saturday afternoon, October 27th, immediately following our fall meeting at Marietta College. The national MAA has received support from NSF to sponsor this workshop, whose purpose is to create an awareness of federal funding opportunities for mathematicians, especially at the NSF Division of Undergraduate Education, as well as to guide potential grant seekers in the art of writing effective—and fundable—grants. This is a wonderful opportunity for you to sharpen your grant-writing skills, and comes at a minimal cost which includes a lunch and a package of informational materials.

At the summer planning meeting of the Executive Committee, held in July, it was reported that James Sellers, who was elected to the Program Committee in April, would be leaving the section for a new position at Penn State University. We also recently lost Delene Perley, our Public Information Officer, who moved to a new position at Millikin University. Both members have served the section in a variety of ways and they will be surely missed.

Following the above planning meeting, those present considered two items that were presented by David Kullman of Miami University, and which required an early August response. The first was a proposal to the Science & Technology Advisory Council of the Ohio Bicentennial Commission for the Ohio Section of the MAA to develop on our web site a collection of biographies of prominent mathematicians who were either natives of Ohio or practiced in Ohio during the past 200 years. The goals are to increase public awareness of Ohio's contributions to mathematics, and to provide a biographical resource for students, teachers, and historians of mathematics who want to know more about American mathematicians. Hopefully, all Ohio Section departments will participate in this public awareness effort. The second was a critique, along with our suggestions for improving and clarifying, the most recent draft vision document of the Ohio Mathematics and Science Coalition. The vision document, when released, will be on the OMSC web site, which can be reached by the link on the Ohio Section home page.

At the section officer's meeting at MathFest in Madison this summer, it became clear that the recruitment of new members into MAA is a priority, especially among younger faculty members. Project NEXT is playing a major role in this effort, and the results can certainly be seen in our own section, as is evident by the number of young faculty members who have accepted appointments in our various committees and other positions.

I am looking forward to seeing all of you at the fall section meeting at Marietta College. The program is an exciting one which includes presentations by Ann Watkins, MAA President, Edward Burger, Pólya Lecturer, and Jerry Moreno, Section teaching award recipient, as well as the Grant Writing Workshop. It also occurs at the time of the year when the fall scenery along the Ohio River should be at its peak.

Thomas Gantner
gantner@udayton.edu

Authors Needed for Ohio Masters of Mathematics Project

As part of Ohio's bicentennial celebration in 2003, the Ohio Section plans to establish a web site featuring biographies of mathematicians who were either natives of Ohio or practiced in Ohio at some time during the past 200 years. The project is designed to foster public understanding, education, and appreciation of mathematics as a human endeavor and Ohio's contributions to that enterprise. It will also serve as a resource for students, teachers, and historians of mathematics who want to know more about American mathematicians.

Tom Hern and David Kullman have agreed to coordinate this project, which has been endorsed by the Science & Technology Council of The Ohio Bicentennial Commission. We know that a number of you have compiled biographical notes about various mathematicians associated with Ohio in the past 200 years. Here is an opportunity to share your work with other MAA members, students, teachers, and the general public. Please contact Tom (hern@wcnet.org) or Dave (kullmade@muohio.edu) to let us know of your interest in being a part of the project. We will send you details about the desired length and format of your paper.

David Kullman

2001-2002
Ohio Section Officers and Committees

ELECTED OFFICERS

President
Thomas Gantner, Dayton
937-837-1152, Fax: 937-229-2566
gantner@udayton.edu

President-elect
Harold Putt, Ohio Northern
419-772-2347, Fax: 419-772-2985
h-putt@onu.edu

Past-President
Judith Palagallo, Akron
330-972-7402 Fax 330-374-8630
Palagallo@uakron.edu

Section Governor
Leo Schneider, John Carroll 2003
216-397-4481, leo@jcu.edu

Secretary-Treasurer
J. William Friel, Dayton 2003
Department of Mathematics
University of Dayton
Dayton OH 45469-2316
937-229-3071
friel@saber.udayton.edu

OTHER OFFICERS

Newsletter Editor and Webmaster
Thomas Hern, Bowling Green 2002
419-372-7450, Fax: 419-372-6092
hern@wcnet.org

Department Liaisons Coordinator and On-line Registration
Thomas Price, Akron
330-972-8352, teprice@uakron.edu

Ohio Project NexT Co-oordinators
Mark Smith, Miami 2004
513-529-5818, smithma@muohio.edu
John Holcomb, Cleveland State 2002
j.p.holcomb@csuohio.edu

Public Information Officer
David Meel, Bowling Green 2004
419-372-8574, meel@math.bgsu.edu

OhioMATYC Liaison to OhioMAA
Mary Ann Hovis, Lima Tech
419-995-8422, Fax: 419-995-8091
hovisma@ltc.tec.oh.us

OhioMAA Liaison to OhioMATYC
Robert Hovis, Ohio Northern
419-772-2347, Fax: 419-772-2330
r-hovis@onu.edu

OCTM Liaison
David Wallach, Findlay
419-424-4624, Fax: 419-424-4822
wallach@findlay.edu

Technology Conference Coordinator:
Al Stickney, Wittenberg
astickney@wittenberg.edu

Archivist
John Zimmerman, Ohio U-Lancaster
740-654-6711 x231, Fax: 740-687-9497
zimmerman@lancaster.ohiou.edu

COMMITTEES

• denotes committee chair. The elected officers and these committee chairs are the voting members of the Executive Committee. Terms expire at the end of the Spring meeting of the year listed. See the Bylaws.

Program Committee:
Dwight Olson • John Carroll 2002
216-397-4372, olson@jcu.edu
Sherri Brugh Mount Union 2003
TBA

Committee on Curriculum (CONCUR)
Mark deSaint-Rat • Miami Midtwn 2004
513-727-3331, desainme@muohio.edu
Wiebke Diestelkamp Dayton 2002
Maria Raiti Ohio Northern 2002
David Hahn Malone 2003
Charles Hampton Wooster 2003
Rajappa K. Asthagiri Miami 2004
Jon Stadler Capital 2004
Christopher Swanson Ashland 2004

Committee on Section Activities (CONSACT)
Vickie Van Dresar • Ashland 2002
419-289-5265, Fax 419-289-5791
vvandres@ashland.edu
Irina Chernikova Akron 2004
Ann Ritchey Mt. Union 2004
Donald Hunt Ohio Northern 2004

Committee on Student Members (CONSTUM)
Curtis Bennett Bowling Green 2002
419-372-7451, cbennet@math.bgsu.edu
Judith Holdener Kenyon 2003
Gordon Swain Ashland 2003
Deborah Denvir Marshall 2004
Darren Wick Ashland 2004

Committee on Teacher Education and Certification (CONTEAC)
Cathy Stoffer • Ashland 2004
419-289-5261, cstoffer@ashland.edu
John Prather Ohio U. Eastern 2002
Sherwood Silliman Cleveland St. 2003
Linda Saliga Akron 2003
Phil Blau Shawnee State 2004

OTHER COMMITTEES

* denotes committee chair.

Nominating Committee
Aparna Higgins* Dayton 2004
937-229-2103
higgins@saber.udayton.edu
Roger Marty Cleveland St. 2003
Leo Schneider John Carroll 2002

Committee on Contests
Bill Higgins Wittenberg AJHSME
David Stenson John Carroll AHSME

ByLaws Committee
Darrell Horwath* John Carroll
216-397-4685, djh@jcu.edu
J. William Friel Dayton

Teaching Award Committee
Judith Palagallo* Akron
330-972-7402 Fax 330-374-8630
Palagallo@uakron.edu
TBA
J. William Friel Dayton

Local arrangments for meetings:

Fall 2001 Marietta
John Michel
740-376-4819, Fax 740-376-4808
michel@mcnet.marietta.edu

Spring 2002 Xavier
Danny Otero
513-745-2012
otero@xavier.xu.edu

Miami Conference

The Department of Mathematics and Statistics, Miami University invites you to attend its Twenty-Ninth Annual Conference, "Statistics in Sports," September 28-29, 2001.

Invited Speakers include Hal Stern of Iowa State University, Jim Albert of Bowling Green State University and Scott Berry of Berry Consultants.

Contributed paper sessions are being planned for both Friday and Saturday.

Mail requests for information to: Statistics in Sports Conference, Department of Mathematics and Statistics, Miami University, Oxford, Ohio 45056; Telephone: (513) 529-5818; Fax: (513) 529-1493; or email the director: David Groggel (groggedj@muohio.edu), or check the web at unixgen.muohio.edu/~MathStat/

Pi Mu Epsilon Conference

The Ohio Delta Chapter of Pi Mu Epsilon will hold its twenty-eighth annual Student Conference September 28-29, 2001. Undergraduate and graduate students are invited to contribute 15 or 30 minute papers, and should send abstract or request for information to Professor Milton Cox, Department of Mathematics and Statistics, Miami University, Oxford, Ohio 45056, Telephone: (513) 529-6648, e-mail: coxmd@muohio.edu, or see the webpage at unixgen.muohio.edu/~MathStat/dept_info/annual_conference/student_conference.html

State Science Day Award

The 2001 State Science Day winner of the Ohio Section Award for Excellence was Tasha R. Walters a twelfth grader from Troy Christian School. Her project, entitled "Does sleep deprivation affect shift workers' math abilities," utilized a pre-and-post test design with redundant controls to examine the effects of sleep deprivation on air traffic controllers' cognitive abilities. By utilizing a basic mathematics test and other instruments focused on pre-work activities, sleep patterns, etc., she was able to quantify some of the effects of sleep deprivation as well as discuss some of the outlying data she collected.

The Award consists of $100 and a subscription to Mathematics Magazine.

State Science Day was hosted by Ohio Weslyan University on April 28, 2001 and was sponsored by the Ohio Academy of Science, American Electric Power, and The Ohio Environmental Education Fund.

David E. Meel

Campus News

Bowling Green State University

David Meel and Craig Zirbel were promoted to Associate Professor with tenure.
Sergey Shpectorov was granted tenure.
Gordon Wade and So-Hsiang Chou will be on leave for the year: Chou at the National Theoretical Center for Sciences at the National Tsing-Hua University in Taiwan, Wade at U. of Michigan.
Curt Bennett returns from leave at Michigan State.
Peter Bickel, Dept. of Statistics, UC Berkeley, will visit and present Lukacs Lectures in October.

Cedarville University

James Sellers has moved to Penn State U. as Director of Undergraduate Affairs in the Math Dept.

John Carroll University

New tenure-track faculty: Brendan Foreman, Topology from Michigan State, and (Michael) Todd Edwards, Math Ed. from Ohio State. Both are joint Math and Education positions.
Nancy Campbell and Dan Palmer have been promoted to Associate Professor with tenure.

Marietta College

Earl Willard, Professor Emeritus, passed away December 26, 2000.
Tom LaFramboise was granted tenure and has been promoted to Associate Professor.
John Tynan has joined the department on a two-year visiting position; John comes from Ohio U.

Marshall Uiversity

New faculty: Yulia Dementieva from Emory University with a PhD in discrete mathematics. Bonita Lawrence, dynamical systems, from U of Texas at Arlington. She was formerly at U of South Carolina at Beaufort. Clayton Brooks has moved from a temporary position. New one-year colleagues: Mr. Andy Case and Ms. Tracy Marsh.
Dept. of Integrated Science and Technology: Daniel Dementiev, degrees in numerical analysis from Emory and math. physics and statistics from St. Petersburg, Russia.
Ari Aluthge has been promoted to the rank of Professor.
Deborah Denvir and Alan Horwitz have been promoted to Associate Prof. with tenure.

Miami University

Miami welcomes two new tenure-track faculty members this academic year: Tao Jiang (Ph.D. 2000, Illinois) a graph theorist and Bob Noble (Ph.D. 2000, Virginia Tech) an applied statistician.

Ohio Wesleyan University

Scott Linder, Ph. D. in statistics from Ohio State, joined us last year. This year: Sean McCulloch, Ph. D. in computer science from University of Virginia.

University of Akron

Jianping Zhu accepted the position of Chair, Dept. of Theoretical and Applied Mathematics.
The department also hired Jeff Riedl as an Assistant Professor of Mathematics.
Judith Palagallo received the Mortar Board Pioneer Award.
Jeff Adler received the Bucthel Coll. Chairs' Outstanding Achievement Award for Early Career.

University of Dayton

New faculty members: Stephanie Edwards (Wisconsin, complex analysis), Darren Parker (Wisconsin, algebra), Qin (Tim) Sheng (Cambridge, numerical analysis), Peter Hovey (Kentucky, statistics), Rebecca Krakowski (North Carolina State, mathematics education).
Aparna Higgins has returned from a year sabbatical which she spent at West Point.
Gerry Shaughnessy will be on sabbatical this year at the U. D. Research Institute.
Retired last spring: Tom Gantner, Jack McCloskey, Ralph Steinlage, and Carroll Schleppi.
Brother Joseph W. Stander, S.M., passed away on February 1, 2001.

Walsh University

Delene Perley will be teaching at Millikin University in Decatur, Illinois. Her husband James (former AAUP President) is new dean of arts and sciences at Millikin.
Walsh has hired two new people. They are Kai Brunkalla (Kent St.) and Weiping Li (Virginia).
Tom Ling was recognized at the annual dinner for 35 years of teaching math at Walsh.

Call For Nominations for Section Teaching Award

Nominations for the eleventh (2002) Ohio Section Award for *Distinguished College or University Teaching of Mathematics* are now being welcomed. Anyone may nominate an Ohio Section member for the award. Department chairs and MAA Liaisons should verify that all worthy colleagues will be considered.

The awardee will be announced and honored at the 2002 Spring Ohio Section meeting. News of the Award will be published in the Section newsletter, newspapers, and in other sources. Official letters will be sent to the appropriate persons at the awardee's institution.

The awardee will also be the Section candidate in the pool from which the recipients of the *Deborah and Franklin Tepper Haimo Award for Distinguished College or University Teaching of Mathematics* will be selected. There will be up to three such awards, each of which will be honored at the National Mathematics Meetings in January 2003, and receive a $1000 check and a certificate. The following are the rules and guidelines from the MAA:

- Those eligible are college or university teachers assigned at least halftime during the academic year to teaching a mathematical science in a public or private college or university (from two-year college teaching through teaching at the Ph.D. level), who have at least five years teaching experience in a mathematical science, and are members of the Ohio Section of the MAA. Those on approved leave (sabbatical or other) during the academic year in which they are nominated qualify if they fulfilled the requirement in the previous year.
- Nominees should be widely recognized as extraordinarily successful in their teaching, have teaching effectiveness that can be documented, have had influence in their teaching beyond their own institution, and foster curiosity and generate excitement about mathematics in their students.

Forms and instructions are available on the Section web page or from the committee chair: Judith Palagallo, Professor of Mathematics, The University of Akron, Akron, OH 44325-4002, palagallo@uakron.edu, (330) 972-7402, (330) 374-8630 fax. Please send nominations postmarked by December 1, 2001.

(Teaching Award, continued from Page 1)

career fulfills these criteria.

Over the past twenty-five years, Stickney's students have repeatedly cited his patience, encouragement, and clarity of exposition as reasons for their love of mathematics, many becoming professional mathematicians themselves. Stickney himself, when asked to relate an incident he fondly recalls, told of a former student of first year calculus. She had a low "C" grade at midterm. Stickney worked with her in his office three times a week for the rest of the semester. His careful guidance together with her diligence resulted in an A by the end of the semester. She is now a successful high school mathematics teacher. As with many students, she was initially trying to learn the mathematics through rote memorization of facts and techniques rather than by learning the underlying concepts and ideas of the course. By asking her for explanations in his office, Stickney was able to shift her focus away from "How do I do this problem?" to "Why do I do this problem this way?" and she began to do much better in the course.

Stickney's professional home since 1979 has been Wittenberg University where he has risen in the ranks to full professor, chaired his department, and initiated and led a student chapter of the MAA. Ashton noted, "Under his gentle persuasion, his undergraduate students have organized outreach contests with high school students, sponsored department colloquia, participated in the Putnam competition, and presented papers at the Ohio Section meetings."

Stickney earned his bachelor's degree in mathematics from Michigan State University and his master's degree and Ph.D. at the University of Michigan, achieving outstanding awards including *Phi Beta Kappa* and membership in the honorary *Sigma Xi*.

Over 20 publications have his authorship, most relating to the use of technology in the teaching of college level mathematics. His knowledge and enthusiasm for his teaching and the use of computers and graphing calculators within that teaching has been shared in over 35 talks and workshops and 10 minicourses throughout the state and country. He wrote the original box-zoom program for the Casio graphing calculator, and box-zoom is a standard feature of graphing calculators today.

The Stickney family including his wife Ellen and his two daughters, Laura and Carolyn, were present to see Al receive his award, as were a number of enthusiastic Wittenberg students and colleagues.

Delene Perley, PIO

The Family: daughters Laura and Carolyn, wife Ellen, and Al Stickney.

Colleagues and Students from Wittenberg
Front row: Curtis Mears, Jessica Meyer, Elizabeth Hardesty. Back row: Brian Shelburne, Alan Stickney, Barbara Ashton, Jim Noyes, Stalo Monti-Pouagare.

YSU-PME Undergraduate Student Conference

The fourth annual conference will be held on Saturday, 23 February 2002 at Youngstown State University. The Conference is scheduled to begin at 10:30 am and run until approximately 3:00 pm. This gives students at schools within 2 hours of Youngstown the opportunity to come and return home the same day. There is no cost to students and faculty attending the conference, and a breakfast and lunch are provided by the hosts and sponsors, Giant Eagle Groceries and Papa John's Pizza.

Students may give a presentation on any area related to mathematics that interests them, from interesting calculus problems to undergraduate research results. We ask only that each student have a faculty sponsor.

If you are at one of the more than 30 schools that are in the "Youngstown region," gather a few students and come and join us. I assure you that your students will gain from the experience, and you might be surprised at the quality of presentations that these undergraduate students produce.

To keep the costs to a minimum, all correspondence regarding the Conference is conducted by e-mail, and details concerning the Conference will be posted at http://www.as.ysu.edu/~math/conference_2002.html

If you would like to be added to our e-mail list, please drop us a note at ysu-pme@math.ysu.edu

Doug Faires

Summer Short Course

The Summer 2001 Short Course was held at Ashland University June 27-29 with William Dunham (of Muhlenberg College, PA) presenting "A Mathematical Sampler: 1669 - 1900." There were 38 participants in attendance (including Dr. Dunham): 25 from Ohio, 4 from Pennsylvania, 3 from Michigan, 2 from Wisconsin, 2 from Maryland, 1 from Indiana, and 1 from California. One of the Ohio participants earned 1 CEU for participation in the Short Course (with some addtional work required).

Phil Straffin will be doing Game Theory at U. of Dayton in 2002.

Vickie VanDresar
CONSACT

(Meeting, continued from Page 1.)

Friday. Details at the right.

Watkins and Moreno will speak Friday. Both Ann and Jerry are prominent figures in the teaching of statistics and will have much to say on the subject. Ann will also speak after the banquet on Friday evening. A contributed paper session is planned for Friday. Get your ideas ready to share now.

On Saturday, Burger will give two talks, one with a slant on infinite series, and one with thoughts on teaching some of the courses we all teach. There will be a CONTEAC session to bring us up to date on issues in teacher education in Ohio.

It should be a fun and rewarding couple of days. It is always enjoyable to meet old friends from around the state, exchange ideas and experiences, and browse the book displays.

Bring a colleague: one of your newer faculty or graduate students. Although most of the student activities are planned for the spring, undergraduates will find the fall meeting rewarding and interesting too.

Student Activities

This year's spring meeting was a busy one for student activities. Thirty-six students gave talks on a variety of topics, and a total of 84 students registered for the meeting. Three lucky students received door prizes of graphing calculators (one donated by Hewlett Packard and two donated by Texas Instruments). CONSTUM also held its first annual Student Leader Meeting on Saturday morning at Bowling Green State University, and we are grateful to Barbara D'Ambrosia for moderating the meeting. Other student events were the traditional Student Pizza party and the dessert social. All of these events will be back at next spring's meeting at Xavier.

We also anticipate having a new opportunity for students to exhibit their work this spring. Students are invited to display their mathematically related scholarly and artistic endeavors in what is being called a "poster session." We anticipate having three categories of submissions: original research, expository writing/presentation, and creative/artistic work with a mathematics theme. If you have any comments or concerns about such a session (or an idea for a poster that you are just dying to discuss) please send an email to Curtis Bennett, chair of CONSTUM, at cbennet@bgnet.bgsu.edu

Ohio Project NExT

The Fall meeting of Ohio Project NExT (New Experiences In Teaching) will be held on Thursday evening and Friday morning, October 26-27 at Marietta College. The workshop will precede the Fall meeting of the Ohio Section.

Activities begin with a banquet at 7 PM on Thursday evening, followed by an open discussion on interesting issues dealing with teaching and professional development for young faculty.

Friday morning, following a continental breakfast at 8 AM, workshop activities resume. The program typically includes three 15 minute presentations by NExT fellows regarding innovative approaches to and experiences in teaching. These are followed by two hour-long workshop sessions led by invited guests.

Some of the main goals of Ohio NExT include: helping young faculty meet and interact with colleagues from other colleges and universities, sharing ideas and experiences that promote professional growth, and encouraging newer faculty to become involved in the Ohio section.

Ohio project NExT is directed by John Holcomb (Cleveland State) and Mark Smith (Miami). Mark will be taking over this year from Barbara Ashton (Wittenberg). Many thanks to Barbara for her hard work and vision. The workshops are coordinated by NExT fellows Angie Spalsbury (Youngstown State) and Dave Sobecki (Miami-Hamilton).

Ohio NExT is open to anyone that is in their first five years of teaching in Ohio and is strongly committed to undergraduate education. Applications for new NExT fellows are now being accepted. If you would like more information, would like to apply, or know someone in their first five years that you think would benefit from NExT, please e-mail John (j.p.holcomb@csuohio.edu) or Mark (smithma@muohio.edu) for more information. As location specifics and a final schedule become available, they will be added to the NExT web page, which is linked off of the Ohio section page (www.maa.org/Ohio).

Dave Sobecki

Regional Dinner Meeting

Another regional dinner meeting, an idea from the NE Section, is being planned for late fall or winter at Bowling Green St. U. Check the Section web page or send email to hern@wcnet.org if interested.

Fall Meeting Program

Friday October 26

Noon-4:30	Registration
Noon-6:30	Book Exhibits
12:15-1:15	Committee Meetings
1:30-1:45	Greetings, Announcements
1:45-2:45	**Invited Address:** "Fallacies in Elementary Statistics" Ann Watkins California State University, Northridge President of the MAA
2:45-3:15	Break
3:15-4:15	**Invited Address:** "Citizens Stats 101 - Toward a Quantitatively Literate Citizenry" Jerry Moreno, John Carroll University 2001 Section Teaching Award Recipient
4:15-5:50	**Contributed Papers**
4:15-5:50	Executive Committee Meeting
6:00-6:30	Social Time
6:30-7:45	Banquet
7:45-8:30	**After-Dinner Speaker** "The MAA and Scholarship in the Teaching of Mathematics" Ann Watkins

Saturday, October 27

8-10:30 AM	Registration,
8:00-8:50	Coffee MAA Department Liaisons meeting
8:50-9:00	Announcements
9:00-10:00	**Pólya Lecture** "How to Always Win at Limbo" Edward B. Burger Williams College
10:00-10:30	Break
10:30-11:30	**CONTEAC Session** "Education Update"
11:30-12:30	**Pólya Lecture** "Personal thoughts on what to teach and how not to teach it." Edward Burger
12:30	Closing Ceremony
1:30- 4:30	**MAA Grant Writing Workshop** Jeff Knisley East Tennessee State University

Check the web page for updates, and online registration and paper submission (www.maa.org/Ohio).

"How to Always Win at Limbo"

or

"You can sum some of the series some of the time, and some of the series none of the time... but can you sum some of the series ALL of the time?"

Edward B. Burger

Have you ever gone out with someone for a while and asked yourself: "How close are we?" This presentation will answer that question by answering: What does it mean for two things to be close to one another? We'll take a strange look at infinite series, dare to mention a calculus student's fantasy, and momentarily consider trancendental meditation. In fact, we'll even attempt to build some very exotic series that can be used if you ever have to flee the country in a hurry: we'll either succeed or fail... you'll have to come to the talk to find out. Will you be at the edge of your seats? Perhaps; but if not, then you'll probably fall asleep and either way, after the talk, you'll feel refreshed. No matter what, you'll learn a sneaky way to always win at Limbo.

Program

For information about the program, contact the chair of the Program Committee: Dwight Olson, Dept. of Math & Comp Sci, John Carroll U., Cleveland, OH 44118, 216-397-4372, email: olson@jcu.edu

"Personal Thoughts on What to Teach and How Not to Teach It."

Edward B. Burger

Here I will share some recent experiments in Pre-calculus, Calculus, and Math for Liberal Arts courses. Wild departures from conventional wisdom will be confessed and demonstrations of both the high-tech and no-tech varieties will be given.

"Fallacies in Elementary Statistics"

Ann Watkins

We will have some fun demolishing several enticing examples that commonly are used in elementary statistics textbooks to illustrate the mean, median, and mode. Some mathematics backed up by a little data show that these concepts are not as intuitive as they appear.

"The MAA and Scholarship in the Teaching of Mathematics"

Ann Watkins

The first president of the MAA believed that the mathematicians of his day did not understand the most basic results of research on teaching and learning. For example, he said that the belief was still widespread that instruction in mathematics trains the mind. He lamented that the teaching of algebra remained a pure formalism, learned by rote and unappreciated. Surely, we must have come a long way since then!

Call for Contributed Papers

Fifteen-minute presentations on any topic of general interest in mathematics or related areas are encouraged. Reports on projects, research announcements or anything you believe would be of interest to those in attendance are welcome.

Contributors should send a title and a brief abstract by October 19, 2001. On-line submission preferred (see meeting web page). Or, mail to the chair of the Program Committee: Dwight Olson, Dept. of Math & Comp Sci, John Carroll University, Cleveland OH 44118, 216-397-4372, olson@jcu.edu. The contributed paper program will be posted on the web page prior to the meeting.

MAA Grant Writing Workshop

Jeff Knisley

These workshops are designed to take a lot of the guesswork out of writing a grant. We cover exactly how the NSF handles each part of a grant proposal from the time it is received until it is hopefully funded. We will also spend some time talking about how one transforms a good idea into a grant proposal requesting support for that idea.

Materials and lunch are included in the $25 registration fee. Please sign up when registering for the meeting.

"Citizens Stats 101 - Toward a Quantitatively Literate Citizenry"
Jerry Moreno

Various national organizations are challenging us educators as well as the public to examine what of mathematics and what of numeracy define a "quantitatively literate" individual. We are being asked to formulate the definition so to make quantitative thinking a part of the entire liberal arts curriculum grades K-16. And in that formulation, we must consider the needs that will enable a citizen to achieve the fully liberating literacy of John Dewey's "popular enlightenment" or as suggested by H. G. Wells that "statistical thinking will one day be as necessary for efficient citizenship as the ability to read and write." Statistics does indeed play an integral part in the enlightenment. This talk will suggest what every citizen should understand about data analysis, statistics, and probability.

"Education Update"
CONTEAC

Members of the Committee on Teacher Education and Certification will present information to bring Ohio Section members up to date on several mathematics education topics. The "Education Update" will include information on the OMSC Vision Statement, the OBR Mathematics and Science Initiative, the OBR and ODE Academic Content Standards, the Institutional Report Cards for institutions with teacher education programs, the Met Report, the "Guidelines for Programs and Department in Undergraduate Mathematical Sciences" and changes in Ohio's Proficiency Tests. Brief summaries will be given along with web addresses for accessing documents.

Cathy Stoffer, Chair
CONTEAC

Ann Watkins

Ann Watkins is Professor of Mathematics, California State University, Northridge. In January 2001, she became president of the MAA, having served previously as second vice-president, governor of the Southern California Section, chair of the Coordinating Council on Education, and co-editor of the College Mathematics Journal. Her field is statistics education. In 1999, she was elected a Fellow of the American Statistical Association. She is a former chair of the Advanced Placement Statistics Development Committee and the co-author or co-editor of thirteen books including *Activity-Based Statistics, Statistics in Action, and Exploring Data*. She was selected as the 1994-1995 Cal State Northridge Outstanding Professor and won the 1997 Cal State Northridge Award for the Advancement of Teaching Effectiveness. Her web page is at www.csun.edu/~vcmth02u/

Edward B. Burger
MAA Pólya Lecturer

Edward Burger is a professor of mathematics at Williams College. His research interests are in diophantine analysis and the geometry of numbers. He is the author of over 25 research articles and two books—

The Heart of Mathematics: An invitation to effective thinking (winner of a 2001 Robert W. Hamilton Book Award, and reviewed in the June-July, 2001 *Monthly*), and *Exploring the Number Jungle: A journey into diophantine analysis* (published by the AMS).

Burger is known for his entertaining, energetic, and enlightening presentations. He has lectured at numerous conferences and universities around the world. His over 175 lectures include several AMS-MAA Invited Addresses at winter and summer national meetings; keynote addresses at national NCTM Conferences; and many MAA sectional meetings. He has also made numerous appearances on radio and television including various NPR affiliates and NBC-TV. He also created and starred in a pilot for a mathematics television series produced by Mass Interaction in Boston.

Burger was awarded the 2000 Northeastern Section of the MAA *Award for Distinguished Teaching* and 2001 MAA *Deborah and Franklin Tepper Haimo National Award for Distinguished College or University Teaching of Mathematics.* He was the 2001 Genevieve W. Gore Distinguished Resident at Westminster College and the 2001 Cecil and Ida Green Honors Professor at Texas Christian University. He was also an Ulam Visiting Professor at the University of Colorado at Boulder. Burger is a member of the AMS Committee on Committees; was the chair of the Program Committee for the MAA Mathfest 2001; and is an associate editor of the American Mathematical Monthly.

His web page is www.williams.edu/Mathematics/eburger

Banquet

The Friday evening banquet will be in the Great Room of Andrews Hall. It will be preceeded by a social hour with a cash bar. It is a buffet with entrees of Roast Beef, Lemon Pepper Chicken, and Vegetarian Lasagna. Also spinach salad, baby redskin potatoes, green beans almondine, rolls, tea and coffee, and cheesecake with cherry topping.

Cost is $18, payable with preregistration. Reservation deadline is Friday, October 19. There may be a few banquet tickets available on site, but this cannot be guaranteed.

Book Exhibits

Textbook publishers will be displaying their wares at the meeting. There will be ample opportunity to browse. Please encourage book reps to contact John Michel and take advantage of a captive audience.

There will also be MAA books on display, with the opportunity to purchase books at a discount. Not only does that save you money, it also earns money for the Section.

Registration

Online registration is preferred; see the meeting web page at www.maa.org/Ohio. Deadline for online registration is October 19.

On-site registration is always available, but last minute banquet tickets cannot be guaranteed. Early registration helps those making arrangements, and is always appreciated.

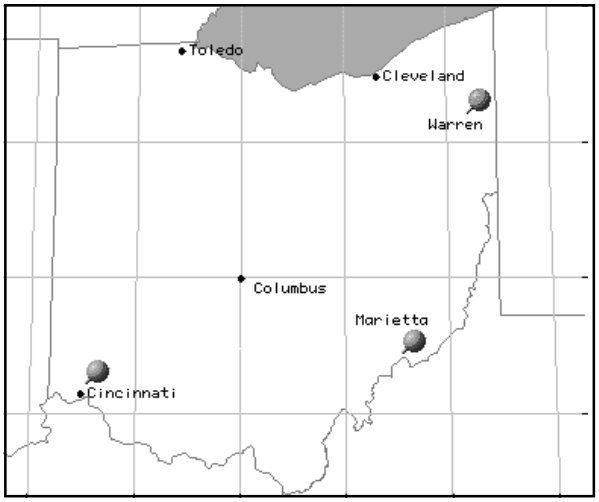
You may also register by sending the following information: name, affiliation, address, phone, email address (if any), type of position, and banquet and workshop information. Send with check for applicable fees [registration fee ($20 full time, $10 retired or part time, no fee for students), banquet ($18), workshop ($25)] to John Michel (see below).

Local Contact at Marietta

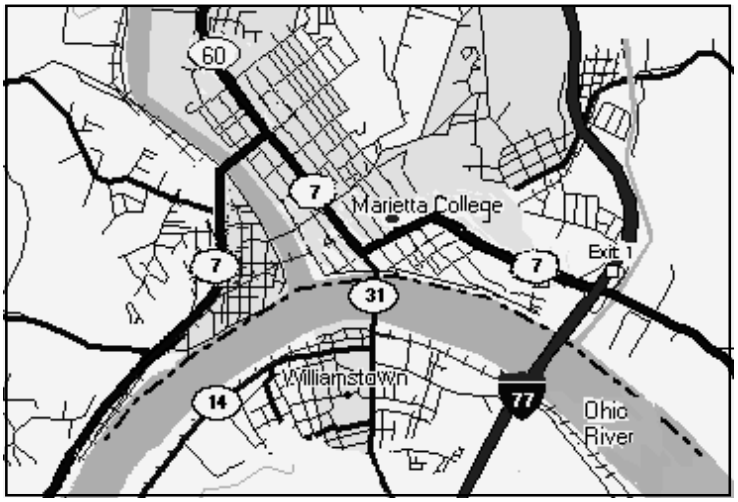
For any questions about local arrangements, contact John Michel, Dept. of Mathematics, Marietta College, Marietta, OH 45750; email: michel@marietta.edu; (740) 376-4819, Fax (740) 376-4808.

Department Chairs Luncheon

There will be a Friday luncheon for department chairs or division heads from the Section to discuss matters of mutual interest. Contact John Michel or Mark Smith (smithma@muohio.edu, 513-529-5818) if you do not receive information.



Section Meeting Sites



Marietta, Ohio

Marietta College is located in Marietta in southeastern Ohio, an historic Ohio River town. It is easy to get there. Access from the north and south is via I-77. From the west, take U.S. 50 to Belpre, OH and Ohio 7 North to Marietta.

Approximate driving times:

Cincinnati	3 hours and 45 minutes	US 32 E to US 50 E to OH 7 N
Cleveland	2 hours and 45 minutes	I-77 S
Columbus	2 hours	I-70 E to I-77 S
Dayton	3 hours	I-70 E to I-77 S
Huntington WV	2 hours and 30 minutes	I-64 E to I-77 N
Toledo	4 hours and 30 minutes	I-75 S to OH 15 to US 23 S to I-70 E to I-77 S

Directions to Marietta College

NORTH:

Take I-77 South To Exit 1 at the Ohio River. From Exit 1, keep right off the exit ramp onto Rt-7 South (Pike Street, which later turns to Greene Street). Continue through five traffic lights. At the sixth light (Kentucky Fried Chicken on right) turn right from Greene Steet onto Fourth Street. Continue up Fourth Street one block and turn right at the blinking light onto Butler Street. Parking for the MAA meeting will be in the lot to your right immediately after you turn onto Butler. Registration and sessions will be held in the McDonough Center. (See campus map, page 11.)

WEST:

Take U.S. 50 East to Belpre, OH to Rt-7. Follow Rt-7 north into Marietta. A block after you cross the Washington Street bridge into Marietta, Rt-7 turns right onto Third Street which you follow south until you reach Butler Street. Turn left off Third onto Butler Street and proceed one block to Fourth Street. Parking for the MAA meeting will be in the lot on the corner of Butler and Fourth. Registration and sessions will be held in the McDonough Center. (See campus map, page 11.)

Airport

Wood County Airport, serving the Marietta/Parkersburg, WV area, is located south of Marietta only four miles from campus. Frequent commuter flights via U.S. Airways Express connect to the Pittsburgh airport.

Where to Stay

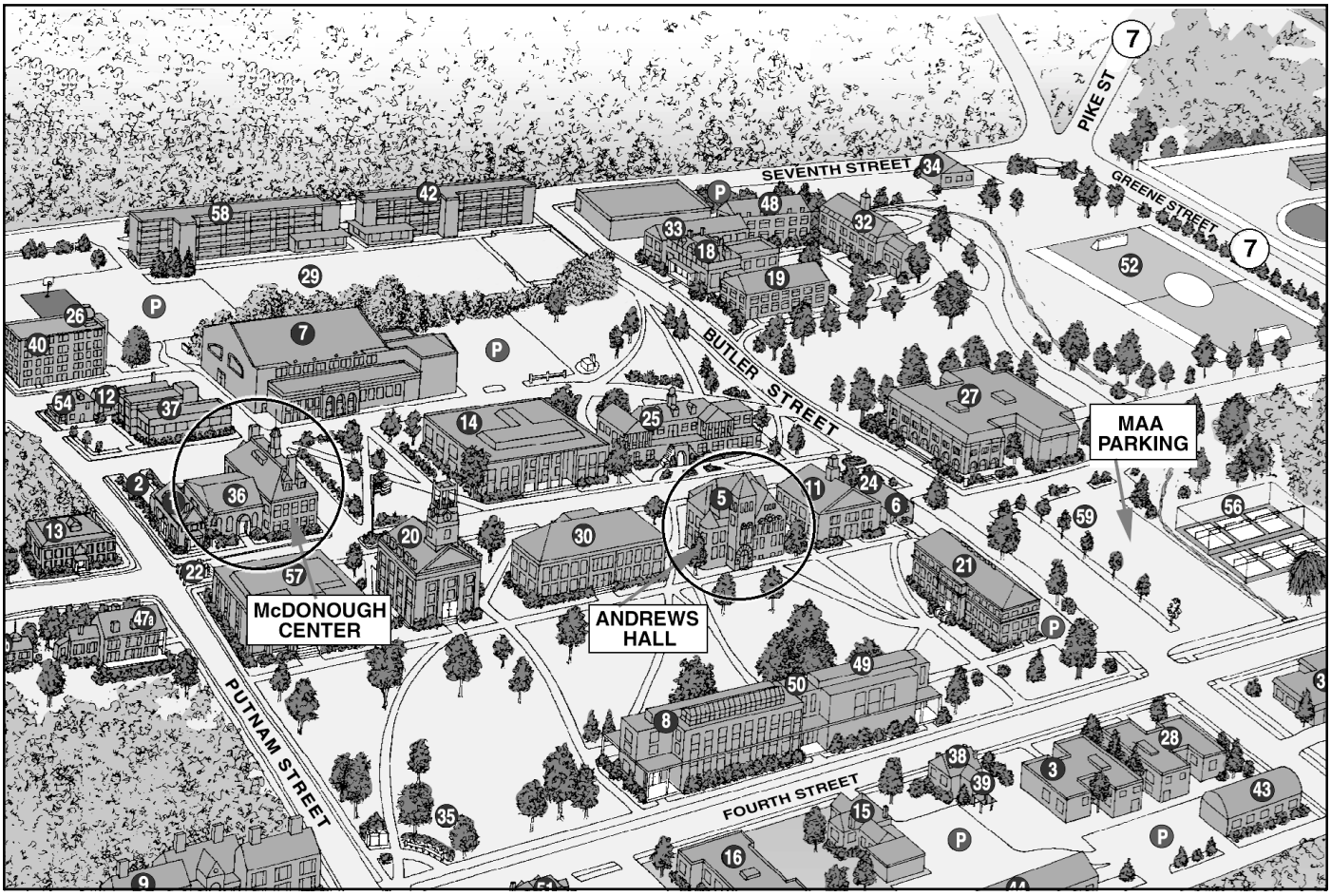
Central Marietta:

- Historic Lafayette Hotel
  101 Front Street, (740) 373-5522
  (At confluence of Ohio and Muskingum Rivers. Six blocks from campus. From I-77, Exit 1, take Route 7 South (Pike Street) which turns to Greene Street. Stay on Greene until it dead ends into Front Street at the hotel.)
  $76 plus tax (Mention math meeting at Marietta College)
  Full services, restaurant, bar, gift shop.

I-77 Exit 1, Ohio 7 (Pike St.):

- Comfort Inn
  700 Pike Street, (740) 374-8190
  $59 plus tax (Mention math meeting at Marietta College for special rate guaranteed until October 19; still may be available thereafter).
  Free continental breakfast, full services, Damon's Restaurant in building, indoor pool.
- Econo Lodge
  702 Pike Street, (740) 374-8481
  $48 plus tax (Mention math meeting at Marietta College)
  Free continental breakfast. Next door to Damon's restaurant.
- Hampton Inn
  508 Pike Street (740) 373-5353
  $72 plus tax (Mention math meeting at Marietta College)
  Newly opened. Free continental breakfast. Indoor pool. Next door to Bob Evans Restaurant.
- Holiday Inn
  701 Pike Street, (740) 374-9660 or 1-800-HOLIDAY
  $62 plus tax (Give code letters "MDM" for special rate guaranteed only until October 5; still may be available thereafter).
  Full services, restaurant, bar.
- Knights Inn
  506 Pike Street, (740) 373-7373
  $49.50 plus tax (Mention math meeting at Marietta College)
  Next door to Bob Evans Restaurant.
- Super-8 Motel
  46 Acme Street, Washington Center, (740) 374-8888
  $40 plus tax (Mention math meeting at Marietta College)
  Free breakfast bar. Next door to Shoneys Restaurant.

(Continued on next page.)



Marietta College

Located in Marietta, Ohio, the first permanent settlement in the Northwest Territory, Marietta College has an educational tradition that is two centuries old. It traces its beginnings to the Muskingum Academy, founded by pioneer settlers in 1797. It is one of America's "Revolutionary Colleges," those thirty seven institutions with their beginnings in the 18th Century. In 1835, the State of Ohio granted the college a charter to offer college level degrees. Initially, it was charged with educating youth in "all the various branches of useful knowledge," which in those days meant what we now call the liberal arts and sciences. The college today continues to blend a strong liberal arts curriculum with selected career oriented programs. In 1860, Marietta became the 16th college to be awarded a chapter of Phi Beta Kappa, the world's oldest and most respected honorary society.

Marietta is a private, nonsectarian, coeducational, residential liberal arts college. It offers Bachelor of Arts, Bachelor of Science, Bachelor of Science in Petroleum Engineering, and Bachelor of Fine Arts degrees. It also offers the Master of Arts in Liberal Learning and Master of Arts in Education degrees. It has attained national recognition for many of its programs, including studies in leadership education. Enrollment last year at the college was 1,100, including students from 45 states and 12 countries. The student-to-faculty ratio is 12:1. The college includes more than 40 buildings spread over 129 acres located two blocks from downtown Marietta. Construction is due to begin this summer on a new recreation center and a completely renovated and enlarged science center.

The community of Marietta, Ohio was settled in 1788 by Revolutionary War veterans from New England led by General Rufus Putnam. The city (population 16,000) has retained a particular pioneer spirit of independence and outward New England charm. It is a riverboat town situated at the confluence of the Ohio and Muskingum Rivers. Regular stops are still made by such passenger steamboats as the Delta Queen and the Mississippi Queen. With its museums, river cruises, and annual sternwheeler festival, Marietta is a popular tourist destination.

The Department of Mathematics at Marietta College has four full-time faculty members, each of whom has the Ph.D. and is committed to quality teaching of undergraduates. Faculty members work hard at developing close ties with students through extensive office hours, personalized advising, and small classes. Over the past ten years, the department has been heavily involved in the calculus reform movement. First year calculus courses feature a weekly two-hour computer laboratory using Mathematica and the use of technology permeates the mathematics curriculum. The major culminates with a "capstone" course that integrates mathematical knowledge in a research project. The Ohio Epsilon chapter of Kappa Mu Epsilon, undergraduate mathematics honorary, was chartered at Marietta in 1960. Marietta faculty members are active in the Ohio Section of the MAA.

I-77 Exit 185

(First W VA exit, 3/4 mile past Ohio R.):

- Days Inn
  Route 1, Box 29, Williamstown, WV, (304) 375-3730
  $48 plus tax (Mention math meeting at Marietta College for special rate guaranteed until October 12; still may be available thereafter).
  Free continental breakfast. Next door to Dutch Pantry Restaurant.

Calendar

Ohio Section

October 26-27, 2001, Marietta College, Marietta OH.
Ohio Project NExT, October 25-26.

April 5-6, 2002, Xavier University, Cincinnati OH.

October 25-26, 2002, Kent State University Trumbull Campus, Warren OH. With OhioMATYC.

See state map with meeting sites on page 10.

National MAA-AMS

Annual Joint Meetings, January 6-9, 2002, San Diego CA.

Mathfest, August 1-3, 2002, Burlington, VT,

Annual Joint Meetings, January 15-18, 2003, Baltimore MD.

Annual Joint Meetings, January 7-10, 2004, Phoenix AZ.

Annual Joint Meetings, January 5-8, 2005, Atlanta, GA.

Annual Joint Meetings, January 12-15, 2006, San Antonio TX.

Annual Joint Meetings, January 4-7, 2007, New Orleans, LA.

Other

NCTM Regional Meeting, Sept. 20-22, 2001, Columbus, OH

AMS Central Section Meeting, September 21-23, 2001 Columbus, OH

Annual Miami Conference, "Statistics in Sports", September 28-29, 2001. Miami U., Oxford OH. With Pi Mu Epsilon Student Conference.

OhioMATYC, October 6, 2001, Terra CC, Fremont, OH

Indiana Section, October 20, 2001, Purdue U., West Lafayette IN

The International Conference on Technology in Collegiate Mathematics, November 1-4, 2001, Baltimore, MD

AMATYC, November 15-18, 2001, Toronto, Ontario, Canada.

Sixth Annual YSU Pi Mu Epsilon Student Mathematics Conference, Youngstown State University, Youngstown, OH, February 23, 2002.

Indiana Section, March 22-23, 2002, Anderson U., Anderson, IN

Rose-Hulman Undergraduate Mathematics Conference, March 29-30, 2002, Terre Haute, IN.

NCTM Annual Meeting, April 25-28, 2002, Los Angeles

Complimentary copies of this newsletter are being distributed to people who would be interested in Ohio Section activities. By joining the MAA, you will get your own copy of the newsletter. If you are not an MAA member, look at the web page: www.maa.org/mbsvcs/individual.html. MAA Departmental Liaisons also have membership information.

Department of Mathematics and Statistics
Bowling Green State University
Bowling Green OH 43403-0221

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