



Maryland-District of Columbia-Virginia Section of the Mathematical Association of America

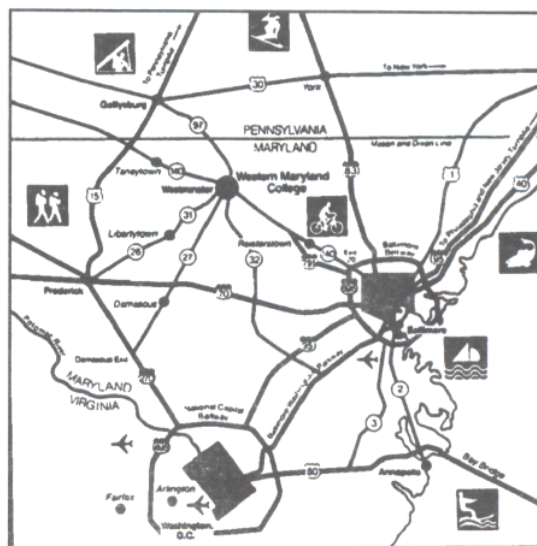
Newsletter, Fall 1994

Vol. 16, No. 1 Final

September 1994

Fall 1994 Meeting Western Maryland College

The Fall meeting of the Section will be held on the campus of Western Maryland College in Westminster, Maryland on Friday and Saturday, November 11 and 12. Western Maryland College is a private, four-year college of liberal arts and sciences, located 56 miles north of Washington, D.C., and 31 miles northwest of Baltimore. It has a student body of approximately 1200 undergraduates and is listed as one of the 142 selective liberal arts colleges in the nation by the Carnegie Foundation for the Advancement of Teaching. It supports chapters of both Phi Beta Kappa and Kappa Mu Epsilon.



Meeting Highlights

Workshops: There will be two workshops on using **graphing calculators**, one on the TI82, led by Pat Taylor and Cathy Hoffmaster of Thomas Nelson Community College, and one on the HP48G, led by Jack Clark of Western Maryland College. Loaners will be available for both workshops; see the registration form. There is a limit of 20 participants for each workshop.

Friday night banquet: **Herbert Gross** will speak on "The Teacher as Coach: Bridging the Gap Between Access and Equal Opportunity." Professor Gross was the founding president of the American Mathematics Association of Two-Year Colleges and has twice been named Educator of the Year by the Volunteers of America.

Saturday luncheon speaker: **Celso Gregobi**, a well-known researcher and lecturer on chaotic dynamics, now at the University of Maryland College Park, will address the meeting. His topic is "Controlling Chaos."

Rewards for new members! If you are a new MAA member, or a first-time attendee at a Section meeting, or if you recruit a new member to attend our meeting, you will receive a coupon worth \$5 off the purchase price of a book at the fall meeting. You must pre-register to qualify!

See inside for maps, program, registration form, and more.

Governor's Report

From Sunday August 14 through Wednesday August 17, 1994, I attended the annual summer joint meeting of the Mathematical Association of America (MAA) and the American Mathematical Society (AMS). The meeting was held on the campus of the University of Minnesota in Minneapolis, Minnesota. The Md-Va-DC Section was well represented with section officers including in addition to myself Chair Ben Fusaro, Chair-elect Mary Kay Abbey, Immediate Past Chair Helen Christensen, Treasurer Jon Scott, and immediate past Governor Howard Penn.

The MAA Board of Governors' meeting was Sunday August 14. A primary item discussed were how to use members of the Board of Governors more efficiently. Each meeting there is always a very long agenda of about 150 pages most of which involve very little discussion and are almost always passed without comment. Someone noted that in many cases that the sum of the parts of a Board like this is very much greater than the entity itself since many items are really handled by the Executive Board. We recommended that more items be handled electronically including most voting items and save the Board meeting itself to serve 5 functions: (a) conduit from the national office down to the Sections; (b) conduit from the Sections up to the National Office; (c) checks and balances; (d) a forum for leaders from different areas of the country to meet, communicate, and jointly recommend items for Board action; and (e) set priorities for the national and sectional levels. At present the emphasis appears to be on (a) and (c) to the exclusion of the other items. Another item that we discussed that I brought up was the current paucity of representation on the Board from the two-year college community. At present I am the only member of the Board who represents two-year colleges and since I have been at NSF now for 3 years, I am not a two-year college faculty member although I feel that I represent two-year colleges. They discussed how to handle this including having a designated Board member be from a two-year college. Because the MAA is the primary organization that represents undergraduate teaching of mathematics and because in excess of 42% of students taking mathematics in institutions of higher education in the United States are in two-year colleges, the Board agreed that this was a major problem which should be addressed. Until this year, there were 6 members of the Board including me,

but the other 5 rotated off this year. If attention is not paid to underrepresented groups, it is very easy to divert back to the previous status quo. The winners of the 1994 Mathematics Olympiad this year attended the meeting. As most of you know, all 6 members of the United States team had perfect scores this year -- the first time in history. I was fortunate enough to be invited to attend the dinner held at the National Academy of Sciences for them right before they started their training sessions for the international competition. In view of all the negative statements during the last years about the state of mathematics and science education in the country, this has been very uplifting for the mathematics community. If you have not as yet gotten into the NSF Gopher, give it a try. It can be found by searching under "All the Gophers in the World" and then locating it under General. They tried to locate it under the Washington, DC heading, but were not successful. Betty Mayfield is now posting our newsletters there as well as other information. As time goes by, it will have more and more information, so go ahead and explore a bit. At the Contributed Papers Committee meeting, we decided that people would have the option of submitting abstracts for sections electronically. Internet definitely appears to be the way to go at least for the near future. The MAA Gopher can be accessed through the address: gopher@maa.org

I am looking forward to seeing all of you at the meeting this November at Western Maryland College in Westminster. Western Maryland has a lot of sentimental value to me because my grandmother and great-grandfather graduate from there. Beverly has planned a great program; so, it should really be fun!!

Let me know of what items you would like the national office to consider, and I will pass this along both by email and in person in January.

Elizabeth J. Teles

Governor, MD-VA-DC Section

Dan Kalman Receives Writing Award

Professor Dan Kalman of The American University was presented the George Polya Award for his article "Six Ways to Sum a Series," (*College Mathematics Journal*, 24, 1993, 402-421). The MAA presents the Polya Award for articles of exceptional expository excellence published in the *College Mathematics Journal*. The award, established in 1976, includes a cash prize.

The award citation noted: "Here is a fascinating look at an infinite series of historic significance -- the series of reciprocals of the squares of the whole numbers -- and at various methods of determining its sums...This paper demonstrates how the same destination can be reached by a variety of different routes and how a single topic, in the hands of a talented and enthusiastic writer, can yield unexpected mathematical riches."

Dr. Kalman, an Assistant Professor in the Department of Mathematics and Statistics at American, received his B.S. from Harvey Mudd College, and his M.A. and Ph.D. from the University of Wisconsin, Madison. He has held several teaching positions and was an applied mathematician at the Aerospace Corporation for eight years. He has written numerous articles for MAA journals and has served the Association in various capacities. Kalman notes, "My life has been immeasurably enriched by my involvement with mathematics, particularly with the programs, activities, and members of the MAA."

David Lay Wins Teaching Award

Professor David Lay of the University of Maryland College Park was presented with the Section's John M. Smith Distinguished Teaching Award at the Spring 1994 meeting in St. Mary's City. This award is granted each year to a member of our Section who is widely recognized as extraordinarily successful in teaching, who fosters curiosity and generates excitement about mathematics in students, and who has had influence beyond his or her own institution in his/her teaching. For the text of the citation presented to Professor Lay, see the minutes of the Spring 1994 meeting which follow.

Previous winners from our Section were John Smith of George Mason University and Genevieve Knight of Coppin State College. Nominations are now being solicited for the 1995 award; see Ben Fusaro's note below.

To be eligible, a nominee should be assigned to at least half-time teaching of a mathematical science in a public or private college or university in our Section, have at least five years' teaching experience in a mathematical science, and be a member of the Mathematical Association of America. Those on sabbatical or approved leave this year are eligible if they were assigned to at least half-time teaching last year.

Please send nominations to Chair Ben Fusaro or Secretary James Coughlin by **November 12th**.

A Note from the Section Chair

Distinguished College or University Teaching Award

Many of us feel that the world of education does not recognize the contributions that Mathematics makes. How much are we to blame for this...? We tend to avoid calling attention to our field and ourselves. Last year we did a little better than usual in getting nominations for the Teacher Award.

Let me use a variation on the argument I used last year. Our Section has about 2000 members. At least half must be in teaching. Of 1000 math science teachers, how many would you say are worthy of nomination -- one-in-ten; one-in-twenty; (surely at least) one-in-fifty? That would mean about 20 nominations, a terribly conservative figure.

So get busy, take a sympathetic look at your colleagues, and send me a one-page nomination. Please put it in a sealed envelope, write "MAA Nomination" on it, and put it in a mailing envelope. Start thinking about it *now*. Send me an envelope-within-an-envelope this week.. I will forward it to our Distinguished Teaching Committee.

Coordinating Section Student Chapters

Bill Sanders has passed the baton to a pair of Coordinators. Our new Section Co-ordinators are:
Kathleen Shannon, Salisbury State University, MD (410) 543-6476
Andrew Vogt, Georgetown University, D.C. (202) 687-6214

So if you have a Student Chapter or are thinking of starting one, Andrew and Kathleen are your sources of information. Keep your eyes peeled for an announcement of Student Chapter activities at the 1994 Fall meeting.

See you at Western Maryland College, Friday and Saturday, 11-12 November.

Ben Fusaro

MINUTES OF THE SPRING 1994 BUSINESS MEETING

The Spring 1994 Business Meeting was held at Saint Mary's College of Maryland on 16 April. The meeting was called to order at 11:33 by Ben Fusaro, Section Chair. He announced that 94 faculty members and 73 students had registered for the meeting.

Ben Fusaro and Helen Christensen paid tribute to the memory of John M. Smith, who died on 25 February 1994. Professor Smith had served the Section as Governor (1983-86), Chair (1979-81), Vice Chair for Programs (1976-78), and Secretary (1973-76). It was announced that the Executive Committee has decided to honor the memory of Professor Smith by naming the section's Distinguished Teaching Award the John M. Smith Distinguished Teaching Award.



The faculty dine in style...



...while the students have their own party

The minutes of the Fall 1993 business meeting, as published in the Newsletter, were approved unanimously.

Jon Scott, Section Treasurer, presented the Treasurer's Report. In summary:

Balance on Hand, 16 Apr 94	\$ 8022.55
Balance on Hand, 13 Nov 93	\$ 6600.04
Surplus (Deficit) for Period	\$1422.51

Elizabeth Teles, Governor, presented the Governor's Report. She requested comments on *Math Horizons*, the MAA's new magazine for students. She announced that the 1995 MAA summer meeting would be held at the University of Vermont.

Milt Eisner, Section Secretary, presented the 1994 John M. Smith Distinguished Teaching Award to David C. Lay of the University of Maryland. The following citation was read:

David C. Lay

I take great pleasure in presenting our section's third Distinguished Teaching Award to Professor David Lay of the University of Maryland at College Park. Professor Lay received his Bachelor's degree in mathematics from Aurora University, his master's and doctorate from the University of California at Los Angeles. His fields of interest are functional analysis and linear algebra. He has taught college mathematics since 1966, at the University of Maryland, the University of Amsterdam, the Free University of Amsterdam, and the University of Kaiserslautern. He has already won three teaching awards. He is the author or co-author of textbooks in liberal arts math, calculus, functional analysis, and linear algebra, and receives very high evaluations from his students at all levels. In recognition of these accomplishments, the Maryland-District of Columbia-Virginia section of the Mathematical Association of America presents Professor David Lay with its Distinguished Teaching Award for 1994.

Jack Biggs announced that the section's 1994 summer workshop would be held at Frostburg State University on 31 May-3 June 1994. The topic is "Surfaces, Soap Bubbles, and General Relativity." The leader is Frank Morgan of Williams College.

Jon Scott announced that the following workshops would be held at Montgomery College, Takoma Park: "Visual Thinking in Chaotic Dynamics" on 18-22 July and "Visual Thinking in Fractal Geometry" on 25-29 July.

A written report by Sally Garber on the high school mathematics contest was circulated.

The results of the 1994 Mathematical Competition in Modeling were announced. In our section, four teams were judged meritorious: Salisbury State University, Mount Saint Mary's College, Loyola College, and Thomas Jefferson High School. Six teams received honorable mention.



David Lay is presented the John Smith Distinguished Teaching Award by Milt Eisner and Ben Fusaro

It was announced that Bill Sanders has resigned as student chapters coordinator. Kathleen Shannon and Andrew Vogt will serve as co-coordinators.

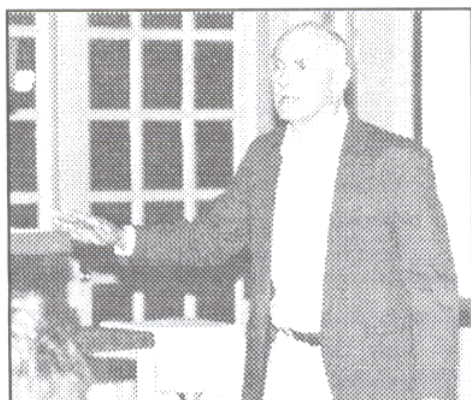
Ben Fusaro announced that the Fall 1994 meeting will be held at Western Maryland College on 11-12 November and that the Spring 1995 meeting will be held at Thomas Nelson Community College on 7-8 April. The latter meeting will be a joint meeting with VMATYC.

Howard Penn conducted the election of officers. The following officers were elected by acclamation:

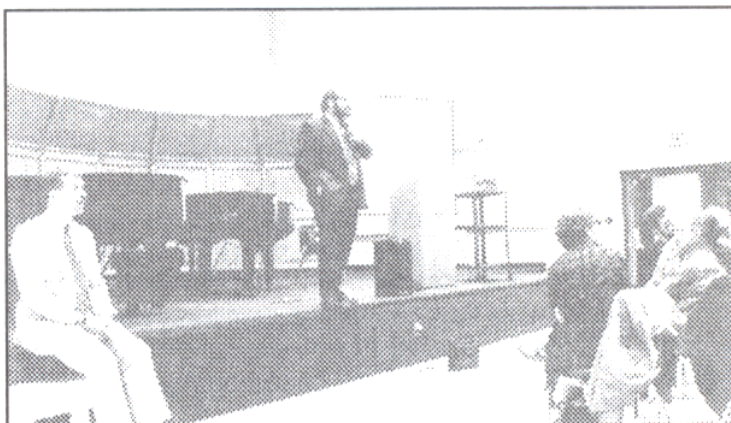
Chair-Elect:	Mary Kay Abbey
Vice Chair for Programs:	Beverly Phillips
Secretary:	James Coughlin

A motion of thanks to the outgoing officers was made and passed unanimously. A member moved that the Section Secretary be directed to write a letter of thanks to Andrew Oh and Saint Mary's College of Maryland. The motion was seconded and approved unanimously. The meeting was adjourned at 12:00.

Respectfully submitted,
Milton P. Eisner, Former Section Secretary



Bob McKelvey addresses the Friday night banquet.



Fred Rickey talks about Fermat's Last Theorem, as Kevin Colligan and other Section members look on.

TREASURER'S REPORT

As of July 23, 1994

Balance on hand, February 15, 1994 \$6,200.51

Receipts

Spring, 1994 meeting -- registrations \$18,191.75
1994 Student Conference -- registrations 1,215.00
Donation -- in memory of John Smith 25.00
MAA book sales commission 52.00
Interest 68.32
MAA annual subvention payment 2,200.00

Total Receipts \$5,452.07

Expenditures

Spring, 1994 meeting -- banquet and luncheon \$1,316.75
Spring, 1994 meeting -- speaker 411.91
Spring, 1994 newsletters 968.61
Putnam winner 100.00
MCM teams 450.00
1994 Student Conference -- prizes 839.00
1994 Student Conference -- rooms 551.00
Supplies and postage 68.07

Total Expenditures \$4,705.34

Balance on hand -- July 23, 1994 \$6,947.24

John M. Smith
1938-1994

John Melvin Smith, professor of mathematics at George Mason University and an active and devoted member of this Section for many years, died on February 26.

A native of Washington, Dr. Smith received his bachelor's degree from the University of Richmond, and his master's and Ph.D. degrees from the University of Maryland. He had taught at George Mason and its predecessor institutions since 1966 and was a former chair of the faculty senate there. He was also a consultant to the National Institute of Standards and Technology.

At the Spring meeting at St. Mary's College, Sr. Helen Christensen delivered the following remarks about John:

I remember John Smith in several ways:

- 1) as a concerned colleague and loyal friend, among whom I considered myself fortunate to be: perceptive and witty with a delightfully subtle yet incisive sense of humor;
- 2) as a math educator of prominence: the Maryland/DC/Virginia Section's first winner of the MAA Award for Distinguished Teaching of College or University Mathematics, and the moving force for the originating and sustaining of the Thomas Jefferson High School's annual Mathematics Day; and
- 3) as a mathematician devoted to the importance of mathematics and the work of the MAA: one who for his various avenues of service to the MD/DC/VA Section -- including Secretary, Chair, Governor, and collective memory of our section for past meeting sites, past officers, national meetings, etc. -- received the national MAA Award for Distinguished Service to our Section.

I take comfort in the conviction that after his long and valiant battle with cancer, John is now enjoying his richly-deserved reward. God grant him eternal grace!

Contributions in memory of Professor Smith may be made to the Mathematical Association of America or to the Vienna (Va.) Presbyterian Church.

MATHEMATICAL ASSOCIATION OF AMERICA
MARYLAND/DISTRICT OF COLUMBIA/VIRGINIA
FALL SECTION MEETING

NOVEMBER 11-12, 1994

WESTERN MARYLAND COLLEGE
Westminster, Maryland

FRIDAY, NOVEMBER 11

WORKSHOP, 3:00 - 5:00

LEWIS HALL, ROOM 105

PROF. JACK CLARK, WESTERN MARYLAND COLLEGE
"INTRODUCTION TO THE HP48G GRAPHING CALCULATOR"
(loaners will be available)

6:00, SOCIAL GATHERING

7:00, BANQUET and INVITED SPEAKER

DR. HERBERT GROSS

"THE TEACHER AS COACH:
BRIDGING THE GAP BETWEEN ACCESS AND EQUAL OPPORTUNITY"

Westminster Riding Club
366 North Colonial Avenue
Westminster, Maryland

SATURDAY, NOVEMBER 12

8:00 - 11:30 -- Registration: McDaniel Lounge

8:30 -- Welcoming Remarks: McDaniel Lounge

CONTRIBUTED PAPERS: LEWIS HALL OF SCIENCE

8:50 - 9:20 -- Session I

- ROOM 102: Robert Herrmann, U.S. Naval Academy
"A Solution to the General Grand Unification Problem or How to Create a Universe"
- ROOM 104: Jon W. Scott, Montgomery College and
Elizabeth Teles, National Science Foundation
"A Math Educators Guide to the Internet"
- ROOM 111: George Mackiw, Loyola College
"Finite Groups of Integer Matrices and $SL(2,3)$ "
- ROOM 116: Rebecca Lee, Bowie State University
"The Maryland Collaborative for Teacher Prep. (MCTP)"

9:30 - 10:00 -- Session II

- ROOM 102: Roland Minton, Roanoke College
"Chaos and the Heart"
- ROOM 104: Mark Smiley, Goucher College
"Using Computer Graphics to Visualize Mathematics"
- ROOM 111: Alan O. Plait, AsTech Associates
"Summing Some Sumerial Series"
- ROOM 116: Henry Berger, U. S. Army Topographic Engr. Center
"Fourier's Series and l'Hopital's Rule"

10:10 - 10:40 -- Session III

- ROOM 102: Steven M. Hetzler, Salisbury State University
"Prediction Results in Systems With Intermittent Chaos"
- ROOM 104: Sam Tannouri, Morgan State University
"A New Algorithm to Maintain Binary Search Trees Ideally Balanced"
- ROOM 111: Helen Christensen, RSM, Loyola College
"Using Graph Theory to Solve an Instant Insanity Puzzle"
- ROOM 116: Ben Zirkle, Virginia Western Comm. College
"Real" Precalculus

10:50 - 11:20 -- Session IV

- ROOM 102: Thomas E. Armstrong, Un. of Md.-Baltimore County
"Chebyshev Inequalities and Comonotonicity"
- ROOM 104: Vojislav Stojkovic, Morgan State University
"An Extension of the Programming Language Maple"
- ROOM 111: Richard McCoart, Loyola College
"An Interesting Rooted Tree
(or how not to get lost in a small forest)"
- ROOM 116: Carla Schultes (co-author Steven Hetzler), Salisbury State University
"Using Writing for Algebra Review in Calculus Sample Exercises"

11:30 - 12:15 -- **MAA Business Meeting**, McDaniel Hall

12:30 - 1:15 -- **Luncheon**, Decker Center Dining Porch

1:30 - 2:30 -- **Invited Speaker**: Lewis Hall of Science, Decker Lecture Hall

DR. CELSO GREBOGI: "Controlling Chaos"

2:40 - 3:10 -- Session V

- ROOM 102: Behzad Jalali, Student, American University
"Kamal Al-Din Farsi and Amicable Numbers"
- ROOM 104: Alexander Bathula, Montgomery College
"New Theorems in Continued Fractions"
- ROOM 111: Matt Koerlin, Washington and Lee University
"Bipartite Steinhaus Graphs"
- ROOM 116: Edward G. Zcinak, The Virginia Military Institute
"A Classroom Experiment - Two Learning Styles"

2:40 - 4:10 -- WORKSHOP: Lewis Hall, Room 105

Pat Taylor and Cathy Hoffmaster, Thomas Nelson Comm. College
How can a graphing calculator enhance a traditional precalculus, calculus, or linear algebra course?
Applications will be presented using the TI-82 (loaners will be available).

3:20 - 3:50 -- Session VI

- ROOM 102: Ahlam E. Tannouri, Morgan State University
"Modeling Using Monte-Carlo Simulation"

FALL MEETING REGISTRATION FORM

Please complete and mail to **Jon Scott, Department of Mathematics, Montgomery College, Takoma Park, MD 20912** by October 31st.

Name(s) _____

(indicate if guest) _____

Affiliation (for nametag) _____

Address _____

Telephone _____ e-mail address _____

Are you a member of the MAA? _____

☐ First-time attendee

☐ New member of the MAA

☐ Bringing a new member to the meeting: _____

_____ Meeting registrations @ \$5.00 _____

_____ Student registrations @ \$5.00 (includes lunch) _____

_____ Workshop registrations @ \$10.00 _____

☐ TI 82 ☐ HP 48G

_____ Tickets for Friday night banquet @ \$19.50 _____

Buffet: Tenderloin tips in red wine sauce, baked scrod with garlic sauce,
vegetarian entrée, fresh garden salad, rice/potato, vegetable, dessert,
coffee, tea, iced tea, bread and butter

_____ Tickets to the Saturday lunch @ \$6.50 _____

Deli board: Assorted relishes, cold sliced roast beef, turkey, baked ham,
Genoa salami, provolone, Swiss, American, and Muenster cheeses, sliced
tomatoes, onions, lettuce, tuna salad, assorted bread and rolls, potato
salad, cole slaw, fresh fruit, coffee, tea, iced tea

TOTAL _____

Please make checks payable to MAA.

McDaniel Lounge:

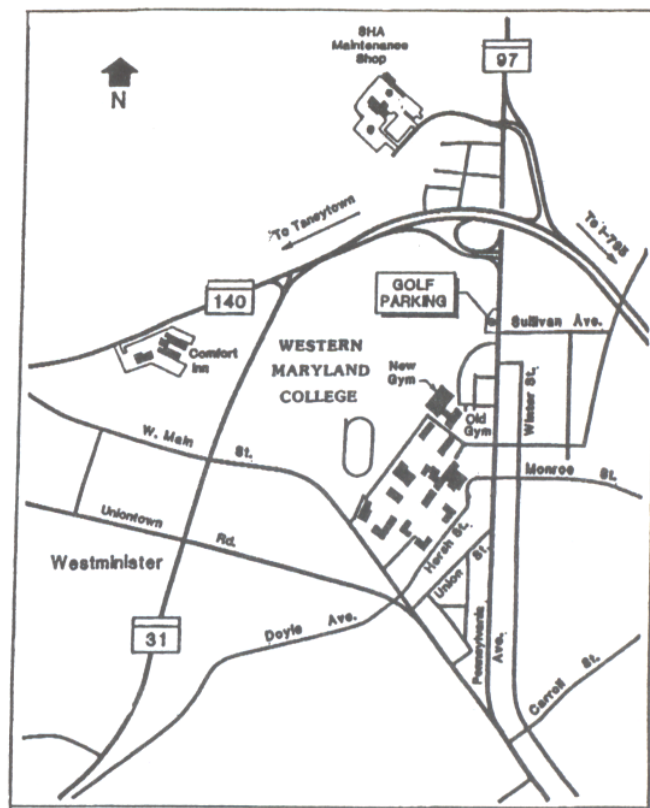
Saturday morning registration
Coffee
Book display
Business meeting

Lewis Hall of Science:

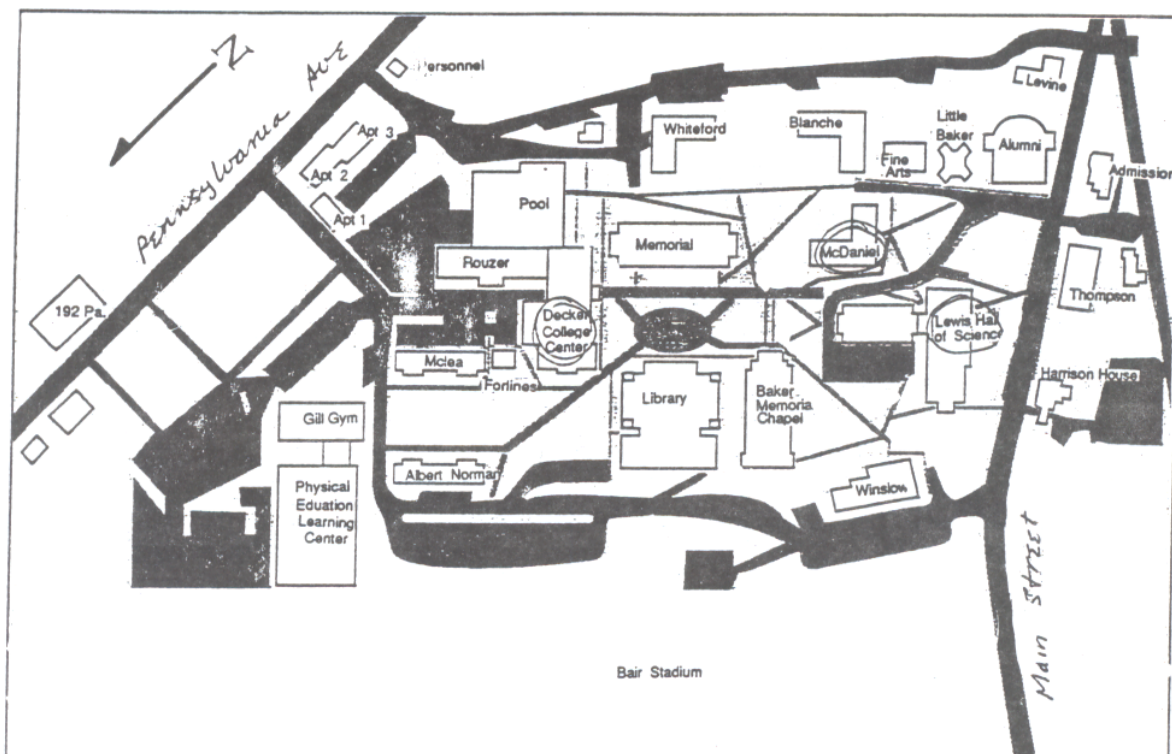
All talks, including after-lunch talk in
Decker Lecture Hall

Decker Center:

Dining Porch -- Saturday lunch



Please note different orientations of the two maps!



Directions to Western Maryland College...

...from Washington: Take the Washington Beltway (I-495), exit onto I-270 towards Frederick, then onto Rte. 118 East toward Germantown/Damascus. Take Rte. 27 to Westminster. Turn left at the intersection of Rtes. 27 and 32. Go ½ mile to fork in road. Make right onto Pennsylvania Ave. and go ¼ mile to WMC Visitor's Entrance on left.

...from Baltimore: Take the Baltimore Beltway to Exit 19 onto I-795 (Northwest Expressway). Continue on I-795 West to its completion. Follow signs to Westminster via Route 140 West. Continue on Route 140 around Westminster to Route 97 North. At end of ramp make a left onto Pennsylvania Ave. Go ½ mile to WMC Visitor's Entrance on right.

Directions for Friday night banquet, Westminster Riding Club:

The Riding Club is located on the other side of Westminster from the College; it is at the other end of Main Street...BUT Main Street is under construction, so you can't take it. So, from Route 140 on the east side of town, take Route 97 South, then turn right onto Main Street, then right onto North Colonial Avenue.

Accommodations for Fall Meeting

None of these motels has a restaurant; each offers a continental breakfast.

Westminster Inn

Bed and Breakfast/Inn
5 South Center Street
Westminster, MD 21157
(410) 876-2893
1 Queen Bed: \$103.50 - \$153.00

Boston Inn

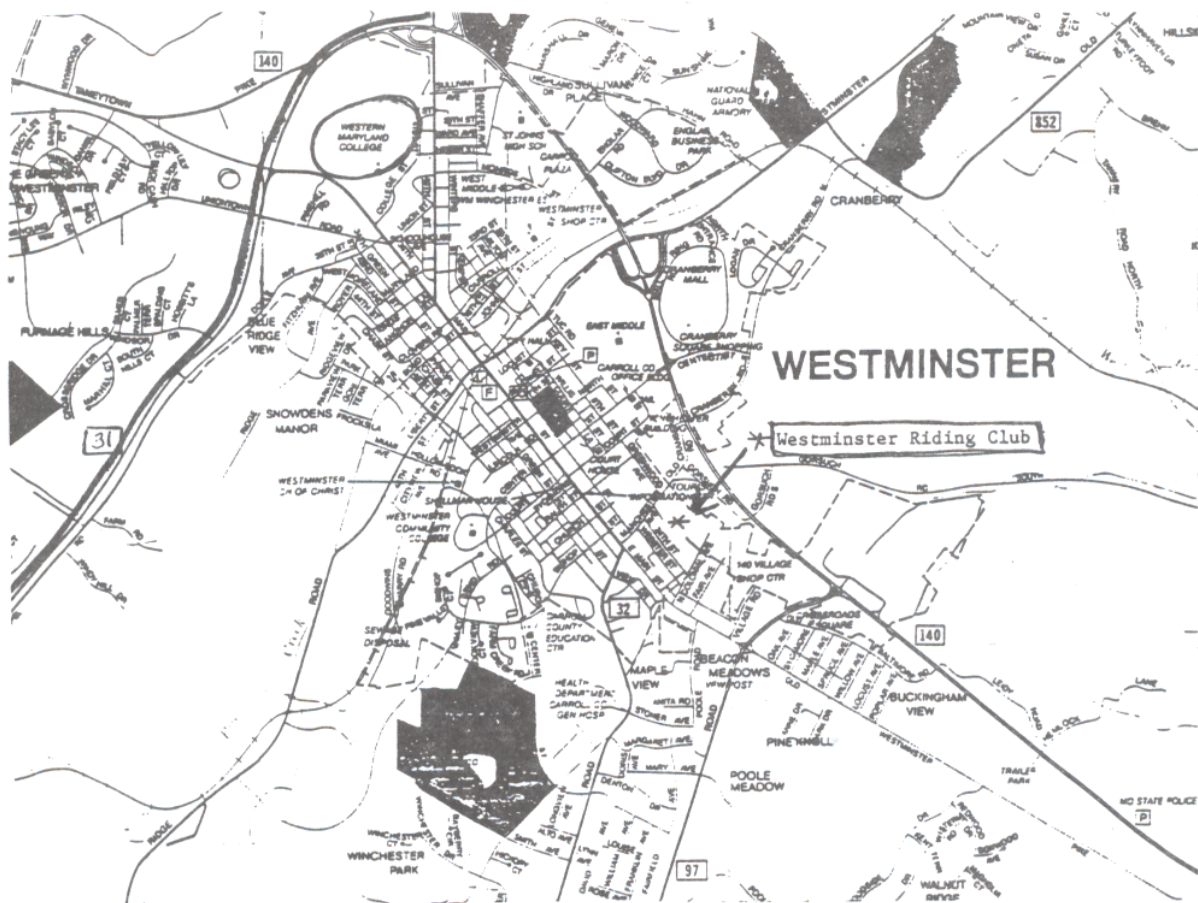
533 Baltimore Blvd.
Westminster, MD 21157
(410) 848-9095
1-800-634-0846
Single (1 Queen Bed) \$32.00
Double (1 Queen Bed) \$38.00
Two double beds/ two people \$42.00

Comfort Inn

451 WMC Drive
Westminster, MD 21158
(410) 857-1900
1-800-221-2222
(College rate)
Single, two double beds \$43.00
Double, two double beds \$49.00

Days Inn

25 South Cranberry Road
Westminster, MD 21157
(410) 857-0500
1-800-336-3297
Single (1 queen bed) \$50.00
Double (1 queen bed) \$56.00
Double (2 beds) \$58.00



Opportunities to Serve

In the spring we will be electing a new **Newsletter Editor**. Duties include assembling, printing, and mailing this newsletter twice a year to the membership of the Maryland/D.C./Virginia Section of the MAA, and a smaller preliminary newsletter to institutional representatives twice a year. If you are interested in this position, or would like to suggest someone else, please send that information to the Nominating Committee in care of Chair-Elect Mary Kay Abbey by the end of the semester.

The Section is also exploring the possibility of choosing a **Public Information Officer**. This person would be charged with getting information about mathematics in general, and our Section of the MAA in particular, into the media. Winners of prizes and awards, student participation in contests, activities associated with Mathematics Awareness Week -- the public ought to be aware of these things! If interested, contact Chair Ben Fusaro.

Would you like to be our Section's first **Photographer/Historian**? Thanks to the Public Information Office of St. Mary's College, we have photographs of our Section meeting in the Newsletter for the first time. We will also post these and other photographs at the fall meeting. If you would like to be our official photographer and capture future meetings for posterity, please let Ben Fusaro know.

Our Governor, Liz Teles, knows of many opportunities to serve the **Association** and the mathematics community at the **national level**. She often gets requests for names of people to serve at this level. Areas of interest include awards, competitions, education, human resources, meetings, and publications. Contact Liz Teles if you are interested.

The addresses and phone numbers of all of these contact persons are on the back page of the newsletter.

Campus News

Genevieve M. Knight, last year's winner of our Section's Distinguished Teaching Award, was elected an MAA Governor-at-Large for Teacher Education at the winter meeting.

The Department of Mathematics and Statistics at **Roanoke College** has two new faculty members: *Christopher Lee* has been named Assistant Professor of Mathematics, and *Adrienne Bloss* is Assistant Professor of Computer Science. Dr. Lee received his B.A. from St. Olaf College, and M.S. and Ph.D. from Clemson. Dr. Bloss earned a B.S. from U.Va., and an M.S., M.Phil., and Ph.D. from Yale.

The Mathematical Sciences Department of **The Johns Hopkins University** welcomes three new faculty members this year: *Lenore Cowen* is a 1993 Ph.D. from MIT who does research in discrete mathematics; she has spent the past year at the Institute for Mathematics and its Applications in Minnesota and at the DIMACS center in New Jersey. *Carey Priebe* received a Ph.D. in 1993 from George Mason University in statistics, specializing in statistical computations and image processing. *Lancelot James* will arrive for the Spring semester, after a postdoctoral fellowship in France. He received his Ph.D. from SUNY Buffalo in 1993, and spent a year as an NIH postdoc at Rochester. He is a statistician, working on bootstrapping methods for censored data in survival analysis.

Lots of news from the Department of Mathematics and Statistics at **UMBC**...*Imma Curiel*, *Jacob Kogan* and *Yin Zhang* were all promoted from Assistant to Associate Professor; *Manil Suri* and *Thomas Mathew* were promoted to Full Professor. New faculty are *Roman Sznajder* (Ph.D. UMBC 1994), who has a postdoctoral instructorship; *Osman Guler*, who was a Visiting Assistant Professor last year, has been named an Assistant Professor; *Vagelis Stefanopoulos* is a Visiting Assistant Professor; and *Kenneth Nordstrom* is a Visiting Fulbright Scholar from the University of Helsinki. *Arthur O. Pittenger* has returned to the Department after serving first as the Dean of Arts and Sciences and then as Interim Provost. *Peter Matthews* has returned after a sabbatical at NSA and The Institute for Mathematics and its Applications on emerging applications of probability. *Christoph Schwab* has returned after a sabbatical at the IBM Research Center in Germany, and *Manil Suri* and *Soren Jensen* have both returned after sabbaticals. On leave

this year are: *Mudappa S. Gowda* (Fall sabbatical), *Arthur O. Pittenger* (Spring sabbatical), *Marc Teboulle* (two years at Technion in Israel), *Neerchal Nagaraj* (Pacific Northwest National Laboratory), and *Nam Bhatia* (Daylabagh Institute, India). UMBC has introduced two new courses: **Math 100 Introduction to Contemporary Mathematics**, based on the *For All Practical Purposes* text, is targeted for social science majors in particular and liberal arts students in general. **Math 446 Mathematical Methods for Science and Engineering** is targeted at physics, engineering, and applied mathematics majors; it uses the Sokolnikoff and Redheffer text *Mathematics of Physics and Modern Engineering*.

Orin Chain from Temple and *Harvey Cohn* from CUNY are on sabbatical this year at the **National Security Agency**. *David Scott* of Rice University, *Peter Matthews* from UMBC, and *Jack Brown* from Auburn have just completed sabbaticals there.

And **Hood College** has two new assistant professors of computer science: *Jeffrey Martens*, who is completing his doctorate at Ohio State, and *Gregory Sanders*, who is a Ph.D. candidate at the Illinois Institute of Technology.

Each year our Section presents an award to the college student in our Section who has scored the highest on the **Putnam Examination**. This year's winner was *David Finberg* of **The College of William and Mary**.

Calculus Reform

You may know that the ten-year anniversary of the Tulane conference which sparked all the recent activity in calculus reform is coming up. Have you been involved in The Revolution? Are you using materials from one of the reform projects in your calculus courses? Do you have information you would like to share with other members of the Section? We thought it might be interesting to conduct a poll of institutions in our Section and see what is going on, what successes and failures people have had, and what advice our colleagues have for us. If you have thoughts on this matter, jot them down and send them to Betty Mayfield sometime before the end of the semester.

Electronic News

You have probably been reading in *Focus* about the new **MAA Gopher**, the electronic news service of the national office. (See Liz Teles' Governor's Report in this issue.) One of the selections available in the gopher is news about each section. We have posted MD/DC/VA Section news, meeting announcements and contributed paper deadlines, and even copies of this Newsletter there. Get in the habit of checking the gopher every once in a while for lots of interesting mathematical news, but especially for news about our Section: gopher.maa.org.

And we have been experimenting with sending out **meeting announcements and Calls for Papers via the Internet**, especially to institutional representatives. If you would like your name added to the electronic mailing list, please send it to mayfield@nimue.hood.edu. We have had some trouble sending e-mail to some of you, especially through Bitnet gateways, but we'll keep trying. And if your e-mail address has changed, please send that information, too.

And speaking of institutional reps...

Our former program chair Kevin Colligan noticed that his employer, NSA, did not have an institutional representative -- in fact, *no* non-academic institution had an official MAA rep, so we did not have anyone to whom to send the preliminary version of the Newsletter containing the meeting announcement and call for papers. This must be a problem for other Sections, but it is especially one for ours, as we have many active members who work for government agencies and other organizations. Kevin has been pursuing this with the national office; in the meantime, if you are an MAA member and are employed by an institution which does not have an MAA representative at present, and you would like to *volunteer* to represent your institution, please send your name to Betty Mayfield (address on back of newsletter).

NCTM Meeting

The Eastern regional conference of the National Council of Teachers of Mathematics will be held on November 3-5 in Somerset, New Jersey. The theme will be "Mathematics: Everybody's Heritage, Everybody's Future." For information, call 1-800-235-7566.

Spring Meeting

The spring 1995 meeting of the Section will be held on the campus of Thomas Nelson Community College in Hampton, Virginia. A joint meeting with the Virginia Mathematics Association of Two-Year Colleges, it will feature a visit to the Virginia Air and Space Center on Friday evening.

The deadline for titles of contributed papers will be **February 8**. Send them to Vice Chair for Programs Beverly Phillips any time before then.

Mark your calendars now and plan to join us for this fun meeting!

U.S. Team Makes History U.S. Places First in International Mathematical Olympiad

Competing against teams representing 69 countries, a team of six American high school students placed first in the 35th International Mathematical Olympiad, held July 8-20 in Hong Kong with *six perfect scores*.

This is the first time in the 35-year history of the Olympiad that any team has achieved a perfect score. Each of the six members of the U.S. team scored the maximum 42 points on the nine-hour competition, and each received a gold medal.

One of the members of the team was **Jacob A. Lurie of Montgomery Blair High School, Silver Spring, Maryland**. Mr. Lurie is from Bethesda and is enrolled in the math, science and computer science magnet program at Blair. He is the second Blair student in history to participate in the International Olympiad. He plays the piano, loves Bach, and has been a vegetarian since the first grade.

Professor Walter E. Mientka, of the University of Nebraska-Lincoln, Executive Director of the American Mathematics Competitions, and leader of the team, said, "I am very proud of the performance of our team. Each member demonstrated great mathematical creativity and was an outstanding representative of the United States."

Prior to the competition, the U.S. students participated in a month-long summer program at the **U.S. Naval Academy** in Annapolis.

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