Fall Meeting
Towson University
November 13–14

The Fall meeting of the MD-DC-VA section of the MAA will be held at Towson University. Since first opening its doors in 1866, the institution known today as Towson has undergone a number of changes in name and status. With the mission of preparing teachers for Maryland's public school system, it was originally designated the Maryland State Normal School. By 1935, it had become a degree-granting institution called the Maryland State Teachers College at Towson. In 1963, following expansion of programs in the arts and sciences, its name was changed to Towson State College. University status was accorded in 1976, in recognition of Towson State's broadened role in Maryland higher education. In 1988, Towson State University joined 10 other public institutions in the new University of Maryland System. On July 1, 1997, another name change took effect. Towson dropped the designation"State" from its name to become Towson University. The 320-acres campus, home of the institution since 1915, boasts an impressive blend of traditional and modern architecture, including:

Stephen Hall (1915), the oldest academic building on campus, is home of the college of Business and Economics. Its clock tower is a campus landmark. Albert S. Cook Library (1969), contains over 700,000 volumes and non-book items, and over 2,000 periodical subscriptions. The Fine Arts Center (1973), houses the departments of art, dance, music, and theatre arts; a 346- seat main stage theatre, a studio theatre, galleries, studio space, and a 520-seat concert hall. The University Union (1971), is where you'll find the Student Government Association headquaters, the University Store, and various adminstrative and student life offices. The facilities include meeting rooms, conference halls, dining rooms, and a recreation center. The Adminstration Building (1972), notable for its cantilever design, houses the President's Office and many of the adminstrative offices of the division of Academic Affairs, Adminstration and Finance, and Student Life. Financial Aid, the registrar and the Bursar are found here.
(See page 2)

Fall Meeting November 13–14
Towson, MD

Our Fall meeting in Towson will have a full program featuring

• Dr. Lyn Stallings as the Friday workshop host

• Dr. James White as our featured Friday night speaker

• Dr. John Benedetto as our featured Saturday speaker

• Kevin Colligan as our featured Saturday afternoon speaker (Lecture for students)

• Student talks

• Contributed paper sessions

• The MAA business meeting

• And more!

Details inside.

Van Bokkelen Hall is one of the original academic buildings on campus. Renovated in 1980, it houses the departments of Communication Sciences and Disorders, and Mass Communication and Communication Studies. Auburn House, an historic mansion near the Towson Center, is headquarters for the Alumni Association and Tiger Club. The Towson Center is one of the finest sports and physical education complexes on the East Coast. The 24-acre sports complex includes the Towson Center building, the 5,000-seat Minnegan Stadium, 10 tennis courts, and separate fields for football, lacrosse, soccer, field hockey and softball. The Towson Center arena seats 5,000 people for athletic events, concerts and lectures. The Hawkins Hall, Psychology Building, and Lecture Hall complex houses the College of Education, the Psychology Department, and the University Academic Advising Center. The modern clock tower on the Psychology Building is symbolic of the relocated center of the expanded university.

Contrasting with the first class of 11 students, Towson University today enrolls almost 10,000 full-time and over 2,800 part-time undergraduates, and over 2,000 graduate students. Thirty academic departments offer over 40 majors and 60 concentrations leading to the bachelor's degree. Departments are grouped into six academic subdivisions: the colleges of Liberal Arts, Natural and Mathematical Sciences, Fine Arts and Communication, Education, Health Professions, and Business and Economics. The Graduate School offers 26 master's degree programs.

Report of the Section Chair

When I look at the back of the Newsletter and see the names of all the people in our Section who are working hard on behalf of the Association, I am so grateful! We have members doing jobs that didn't even exist a few years ago - liaison coordinator, student chapter coordinator, Web coordinator - as well as the more traditional offices. Our members are running contests for high schools and junior highs, printing and sending out this newsletter, managing our money, planning programs, taking minutes and writing endless letters and reports. They are also serving on various committees for the Section: Kevin Colligan is chairing a task force to investigate starting a Project NExT-like program in our Section. Lee May is heading the committee to choose this year's teaching award winner. Kathleen Shannon and Helen Christensen are co-chairs of a group planning our student conference next spring. Howard Penn is in charge of a committee to choose the recipient of our Section's distinguished service award. So, to all of you who are doing the work of our organization and contributing your time and energy cheerfully - thanks!

It was nice to see some familiar faces at the Toronto meeting. MD/DC/VA members taught a minicourse, ran paper sessions, gave talks, performed magic tricks, and participated in *many* meetings. At the Section Officers meeting, we discussed plans for a summer MAA meeting in the year 2000, book sales at Section meetings, department liaisons, and activities of Sections around the country. At our spring meeting, we hope to have a book-signing party featuring MAA authors from our Section. Stay tuned.

As you may know, the MAA has recently established a lecture fund in memory of Jim Leitzel, who devoted his life to mathematics education and to encouraging young mathematicians. The James R.C. Leitzel Lecture will be given every summer at Mathfest, on an issue in mathematical sciences education. MAA members are invited to contribute to the fund; send donations to the national office, with "Leitzel Fund" written on the "memo" line of the check.

We are looking forward to a great fall meeting at Towson. Dan has planned an exciting program, and the local arrangements committee has been working tirelessly to prepare for us. I hope to see many of you there.

Remember to nominate a colleague for the Section's teaching award, and to bring a student to the fall meeting.

Betty Mayfield,
Section Chair

TREASURER'S REPORT
September 30, 1998

General Account Balance March 3, 1998 $ 6733.91

Receipts		Expenses	
Interest	$ 77.17	Newsletter	$ 1,040.54
Meeting registrations	$ 2202.00	Speaker Expenses,Spring 1998	$ 717.19
MAA subvention	$ 2200.00	MCM Awards	$ 650.00
Exhibitor's fees, Spr. meeting	$ 00.00	Meal functions, Spring 1998	$ 1458.86
MAA Booksale	$ 46.00	Supplies	$ 25.00
Total Receipts	$ 4525.17	Total Expenses	$ 3891.59

General Account Balance, September 30, 1998 $ 7367.49

John G. Milcetich Memorial Student Achievement Fund		Student Conference Fund	
Balance-March 3,1998	$ 1053.50	Balance-March 3,1998	$ 1941.87
Contributions	$ 20.00	Interest	$ 28.84
Interest	$ 11.09	Balance-September 30,1998	$ 1970.71
Awards	$ (500)		
Balance - September 30, 1998	$ 584.59		

Jon W. Scott, Treasurer

Governor's Report

The Board of Governors meeting at last summer's Mathfest in Toronto was my first as your Governor. It is a real pleasure to have been chosen to represent the Section at the national level. Thanks. While the meeting's agenda was quite full, representing the complexity of the MAA, a few items stand out. MAA Secretary Martha Siegel's complete report of the meeting can be found on MAA online.

The Board reaffirmed its decision to hold a Mathfest in the summer of 2000. The site has not been determined, but will likely be in the western part of the country. It is hoped that dates can be found so as to minimize conflicts with two other meetings that summer: a special AMS meeting at UCLA and ICME in Japan. Stay tuned! In the meantime, plan to attend Mathfest 1999 in Providence.

The Board established a permanent memorial in honor of Jim Leitzel, who passed away last winter. The James R. C. Leitzel Lecture will be given annually and will address issues and innovations in mathematics education at the collegiate level. I am happy to announce that the initial goal of the endowment fund has been met, and the first of these lectures will be given at the Providence Mathfest. Additional contributions to the fund are still welcome.

Recent financial difficulties seem to have been resolved. After a couple of years of budget deficits, the Association is showing a small surplus in its operating budget. The declining membership, however, is a big concern. Studies are being conducted to help determine reasons for this decline. I wonder what steps we as a section or as individuals might do to help convince our colleagues of the value of MAA membership. Ideas?

Congratulations go to Dan Kalman who received the Carl B. Allendoerfer Award for an article he co-authored in Mathematics Magazine: "Variations on an Irrational Theme-Geometry, Dynamics, Algebra." This is Dan's third MAA writing award.

I always enjoy summer Mathfest, and this was no exception: Wonderful invited talks, lots of contributed papers, student activities, and a few minicourses. And there was even a little time to enjoy Toronto's dining and cultural scene.

The section meeting at Towson Unversity is shaping up to be another great meeting. I hope to see you all there. Bring a friend!

Jon Scott

MINUTES OF THE SPRING MEETING (1998)

Virginia State University Saturday April 18, 1998

The meeting was called to order by Chair Betty Mayfield. She thanked local arrangements coordinator Christopher Barat and his colleagues for arranging the meeting and the members of the Executive Committee for planning and assisting at the meeting. The secretary was asked to send a letter of appreciation to Virginia State for hosting the meeting.

Minutes and Treasurer's Report: The minutes of the fall 1998 were approved. This was followed by the Treasurer's report from Jon Scott. Scott reported that the section was doing well financially. He reported a balance of $ 7,500.00 in the general fund, $1073.99 in the Milcetich Fund with $20 in contributions this past year, and $1941.87 in the student conference fund. The student conference fund is primarily the residue from the summer workshops funds that the section previously hosted. Scott also reported that the attendance at the meeting was 151, including 55 students.

Future Meetings: The dates of future meetings were given. They are (a) fall of 1998 at Towson University in Towson, Maryland to be held November 13 - 14, 1998, and (b) **Spring of 1999 to be held April 9 - 10 at James Madison University in Harrisonburg, Virginia.**

New Governor: Mayfield announced that Jon Scott of Montgomery College has been elected the new section governor. Scott will become governor at the summer meeting in Toronto this July. The section recognized Kevin Colligan of the National Security Agency for his good work as section governor these past three years.

Recognition for 25 Year Members: The Section Governor Kevin Colligan presented the 25 year membership awards to people in our Section who had been paying members of MAA for 25 years. At this meeting Howard Penn of the US Naval Academy and John August of Mount St. Mary's College were recognized and presented certificates. The certificates for the other thirty-four 25 year members are to be mailed. The two members of our section who had been members the longest and were present also recognized. In attendance were William Spohn, a 44 year member, and Florence Greville, a 47 year member. Greville noted she had joined the first year she was married when she had joined MAA and her husband AMS because they were both could not afford to belong to both.

Change in By-Laws: At this meeting we had a proposed change in the by-laws. In the spring section newsletter the proposed change was printed. The change involved electing the program chair a year before the official term should begin to give the program chair one year as Program Chair elect to allow this person to work with the current program chair before serving the regular two-year term. At the meeting there was an alternate change proposed by Dan Kalman which would have the program chair to only serve for one year as chair and one year as the Chair-elect. After discussion by the membership, Kalman withdrew his alternate amendment. The membership then voted to approve the amendment printed in the newsletter with only one negative vote. The amendment must now be sent to the MAA for the Board of Governor's approval since the Board of Governors must approve any by-law changes in a Section.

Awards and Prizes

(a) **Teaching Award for Excellence**: The John Smith Award for Distinguished College or University Teaching was presented by the Section Secretary Elizabeth Teles. The winner this year was Dr. Lyn Stallings of American University. Stallings was recognized for excellent teaching, commitment to her students, and her standards for excellence in mathematics. Stallings' name will be forwarded to the national office where she becomes eligible for national recognition.

(b) **Student Awards**: This year the section offered two different types of prizes for student talks - one for expository talks and one for research talks. The awards were made before the plenary address in the afternoon. Each first place winning presentation received $100 and each second place $50. The winners were:

Expository Talks

(i) First Place:

Rebecca Torrey and Keith McCarron, American University

(ii) Second Place:

Kendra Taylor, Hampton University

Research Talks

(i) First Place:

Jessica Lawson, Ronald Walsh, Christian Benjamin, John Kasprzak, and Wendy Utz, St. Mary's College
Nevim Vember, George Washington University

(ii) Second Place:

Lincoln Haughton, Hampton University

Graduate Student Special Recognition

Shawn Bruce, Virginia State University
Thomas Fitzbee, George Washington University

(Minutes of.. continued)

(c) **Mathematica Competition in modeling**: This year our section had 5 meritorious winners. They were College of William and Mary, Eastern Mennonite University, Mount St. Mary's College, Loyola University, and Salisbury University. Each of the winners sent a team to present at the meeting and all winners were presented a check from the section.

(d) **Putnam Exam**: The highest scorer in our section on the Putnam Exam was announced. It is Ronald Walker of the University of Richmond.

Student Conference: Tentatively scheduled is a student conference for the 1999 spring meeting at James Madison. Kathleen Shannon and Andy Vogt, our student chapter's coordinators, are working on a plan.

Department Liaisons: The department liaisons met. Eve Torrence, Section Liaison Coordinator, organized this meeting.

Announcement: Three book publishers plus the MAA exhibited at the meeting.

Respectively submitted:

Elizabeth J. Teles
Secretary for the Section

Section Awarded Exxon Grant for Student Conference

Our Section has just been awarded a grant of $900 to help a special student conference in conjunction with our spring meeting at James Madison University. Many thanks go to Kathleen Shannon for writing this successful grant proposal. There were many requests for the awards this year, and competion for funds was fierce.

Plans for the conference include special speakers, and activities for undergraduate students, plus opportunities for showcasing student work. As usual, outstanding teams from the modeling competition will be invited to present their work, and the Section's top Putnam scorer will be honored. Student research papers and posters will also be highlighted, with prizes given for the best presentations.

So put this on your calender now, and start planning to attend the spring meeting, April 9-10, 1999, at James Madison University in Harrisonburg, Virginia - and bring *lots* of students!

Details will appear in the spring newsletter. Feel free to share ideas with the the planning committee:

Kathleen Shannon (Salisbury State University) and Helen Christensen (Loyola College) - co-chairs

Andy Vogt (Georgetown University)

Ira Walker (Hampton University)

Bob Hanson (James Madison University)

♣ <u>Section Meetings – Mark your calender!</u> ♣

Spring 1999 : James Madison University, April 9-10

Fall 1999   : Loyola College in Maryland

FALL MEETING REGISTRATION FORM

Members are encouraged to preregister for the Fall Section Meeting by completing the enclosed form and mailing it to our section treasurer, Jon Scott, before the deadline date, November 4, 1998. Preregistration is absolutely required for those wishing to attend either the Buffet Dinner on Friday or the Lunch on Saturday. Students who preregister have lunch included with their registration fee–student chapter advisors take note! While on-site registration is always available, preregistration simplifies the process. Your namebadge, receipt and meal tickets will be waiting for you at the registration desk when you arrive. Please complete and mail the form to **Jon Scott, Department of Mathematics, Montgomery College, Takoma Park, MD 20912** by November 4, 1998

Name(s):_____

(indicate if guest)_____

Affiliation (for nametag)_____

Address:_____

_____

_____

Phone number:_____   e-mail address_____

Are you a member of the MAA?_____

Registration_____   Regular($10)_____   Student($5)_____   Guest(free)_____

_____ MAA Friday Workshop registrations @ $10.00 .... _____

_____ MAA Saturday Workshop registrations @ $10.00 .... _____

Contributions to the John G. Milcetich Memorial Student Achievement Award .... _____

_____ Tickets for Friday night buffet @ $22.00 .... _____

_____ Tickets for Saturday's lunch @ $7.00 .... _____

Students who **pre-register** have lunch included in their registration fee.

TOTAL .... _____

Submit separate form for each attendee.
Please make checks payable to MAA.

Directions

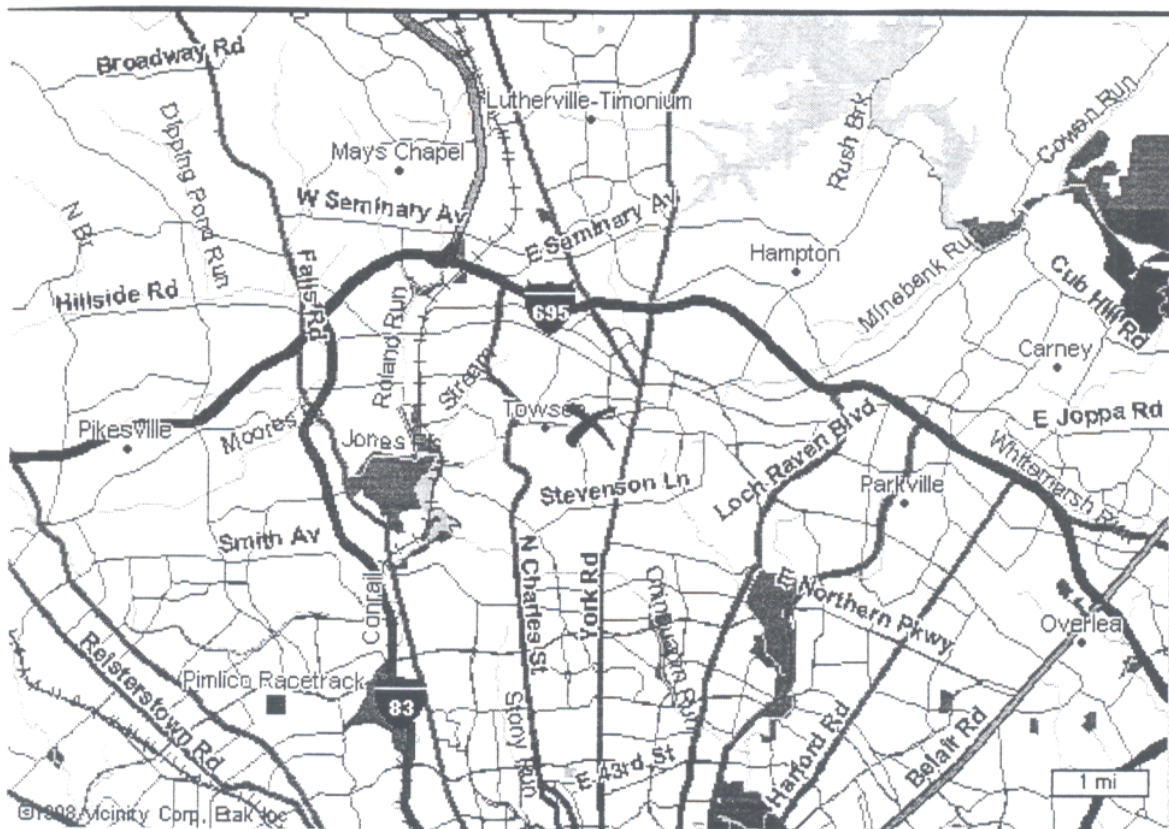## From interstates to the north or south

I-95: To reach Towson University from I-95, take I-695 (Baltimore Beltway) toward Towson. Take exit 25, Charles Street, and proceed south (toward Baltimore). Turn left onto Towsontown Boulevard. A sign is posted at this intersection indicating the left turn to Towson University.

I-70 and **I-83:** Go toward Baltimore to I-695 east, then take exit 25, Charles Street. On Charles Street, proceed south (toward Baltimore) to Towsontown Boulvard and turn left. A sign is posted at this intersection indicating the left turn to Towson University.

I-695: Via the Beltway (I-695), take exit 25, Charles Street. On Charles Street, proceed South (toward Baltimore) to Towsontown Boulevard and turn left. A sign is posted at this intersection indicating the left turn to Towson University.
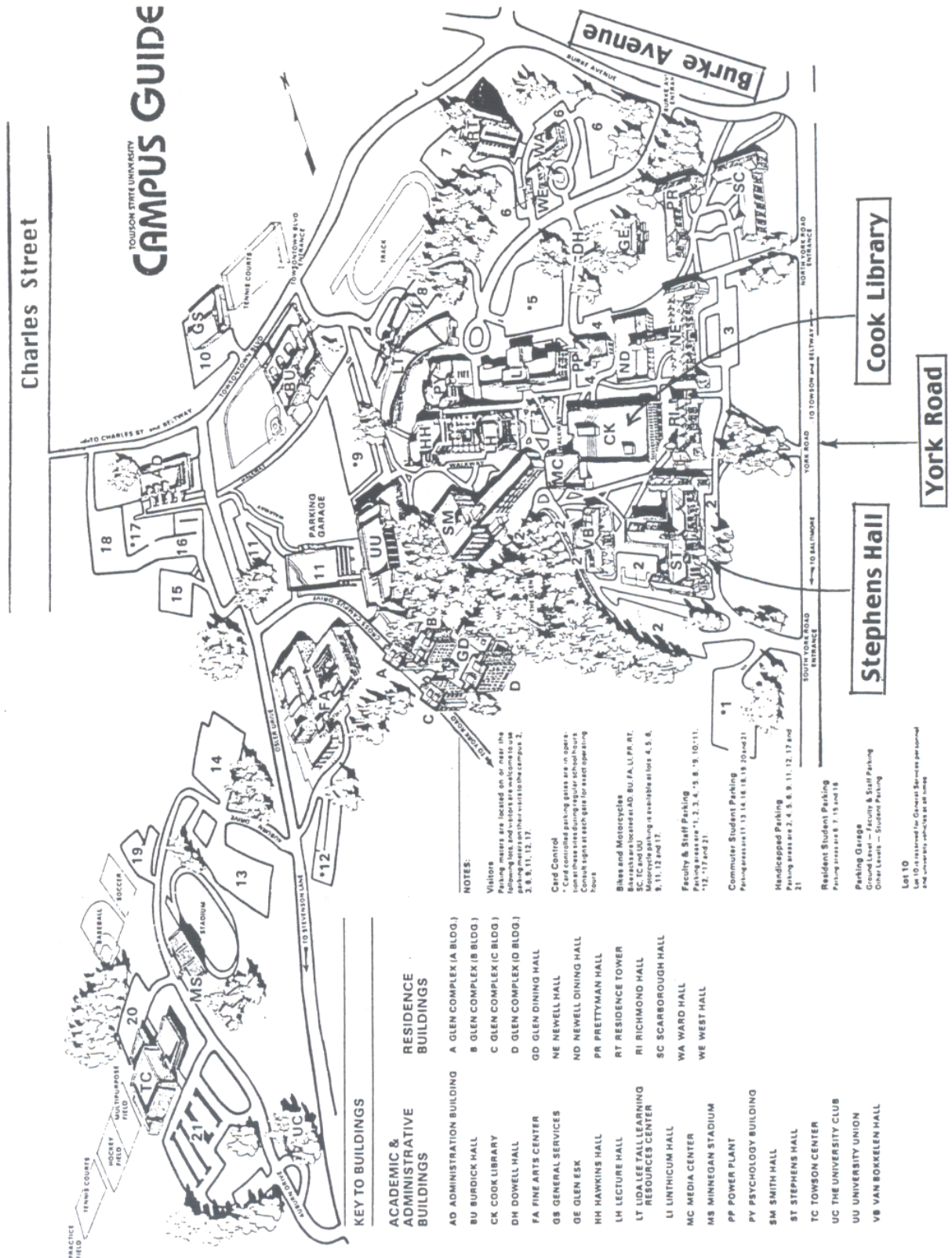
From Baltimore:
(Penn Station) Proceed north on Charles Street to Towsontown Boulevard. Follow Towsontown Boulevard east to the Campus.

Direction To Towson University

Take any major highway toward Baltimore, Maryland. Exit the highway onto Interstate 695 toward Towson (these exits are clearly marked on all highways). Stay on 695 (the Batiomore Beltway) and exit at Charles Street (Exit 25 - South). Stay on Charles Street for 1.5 miles and make a left onto Towsontown Boulevard (there is a traffic light at this intersection). Stay on Towsontown Boulevard for 1 mile and make a right at the first traffic light onto Osler Drive. The Administration Building is on your right and the University Union is on your left. Welcome to Towson University!

Note: Friday night dinner is at **Burkshire** which is located across from Towson University and is on **Burke Avenue**. The address is **10 West Burke Avenue**. Please refer to campus map below for further assistance.

TOWSON STATE UNIVERSITY
CAMPUS GUIDE

Burke Avenue

Cook Library

York Road

Stephens Hall

KEY TO BUILDINGS

ACADEMIC & ADMINISTRATIVE BUILDINGS

- AD ADMINISTRATION BUILDING
- BU BURDICK HALL
- CK COOK LIBRARY
- DH DOWELL HALL
- FA FINE ARTS CENTER
- GS GENERAL SERVICES
- GE GLEN ESK
- HH HAWKINS HALL
- LH LECTURE HALL
- LT LIDA LEE TALL LEARNING RESOURCES CENTER
- LI LINTHICUM HALL
- MC MEDIA CENTER
- MS MINNEGAN STADIUM
- PP POWER PLANT
- PY PSYCHOLOGY BUILDING
- SM SMITH HALL
- ST STEPHENS HALL
- TC TOWSON CENTER
- UC THE UNIVERSITY CLUB
- UU UNIVERSITY UNION
- VB VAN BOKKELEN HALL

RESIDENCE BUILDINGS

- A GLEN COMPLEX (A BLDG.)
- B GLEN COMPLEX (B BLDG.)
- C GLEN COMPLEX (C BLDG.)
- D GLEN COMPLEX (D BLDG.)
- GD GLEN DINING HALL
- NE NEWELL HALL
- ND NEWELL DINING HALL
- PR PRETTYMAN HALL
- RT RESIDENCE TOWER
- RI RICHMOND HALL
- SC SCARBOROUGH HALL
- WA WARD HALL
- WE WEST HALL

NOTES:

Visitors
Parking meters are located on or near the following lots, and visitors are welcome to use parking meters on their visits to the campus 2, 3, 6, 9, 11, 12, 17.

Card Control
* Card controlled parking gates are in operation at these sites during regular school hours. Consult signs at each gate for exact operating hours

Bikes and Motorcycles
Bike racks are located at AD, BU, FA, LI, PP, RT, SC, TC and UU. Motorcycle parking is available at lots 4, 5, 6, 9, 11, 12 and 17.

Faculty & Staff Parking
Parking areas are *1, 2, 3, 4, *5, 8, *9, 10, *11, *12, *17 and 21

Commuter Student Parking
Parking areas are 11, 13, 14, 16, 18, 19, 20 and 21

Handicapped Parking
Parking areas are 2, 4, 5, 6, 9, 11, 12, 17 and 21

Resident Student Parking
Parking areas are 8, 7, 15 and 18

Parking Garage
Ground Level — Faculty & Staff Parking
Other Levels — Student Parking

Lot 10
Lot 10 is restricted for General Services personnel and university vehicles at all times

What is the Award?

In 1991, the Board of Governors of the MAA established the Section Awards for Distinguished College or University Teaching of Mathematics to recognize teachers of mathematics at the post-secondary level who have been widely recognized as extraordinarily successful. Their teaching effectiveness must be documented and must have had influence beyond their own institutions.

Each year the Maryland-District of Columbia-Virginia Section Teaching Award Committee, appointed by the chair of the section, chooses a recipient for the Section Award from nominations by the section membership. The awardee is honored at the Spring meeting of the Section with a certificate and a check for $200, and becomes the official section nominee for the MAA Deborah and Franklin Tepper Haimo Awards for Distinguished College or University Teaching of Mathematics. The national awardees (at most three) are honored at the January meeting of the MAA and receive a $1,000 check and a certificate.

Who can nominate?

Any member of the Maryland-District of Columbia-Virginia Section of the MAA may nominate a member of the Maryland-District of Columbia-Virginia Section for this award.

Who is eligible for the Award?

The nominees must:

- be a member of the MAA.

- be a college or university teacher assigned at least half time during the academic year to teaching a mathematical science in a public or private college or university (from two-year college teaching through graduate level.) in the United States or Canada. Those on approved leave during the academic year in which they are nominated qualify if they fulfilled the requirements in the previous year.

- have at least five years teaching experience in a mathematical science.

What are the guidelines?

The nominees should:

- be widely recognized as extraordinarily successful in their teaching,[1]

- have teaching effectiveness that can be documented,

- have had influence in their teaching beyond their own institution,[2]

- foster curiosity and generate excitement about mathematics in their students.

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[1] Teaching is to be interpreted in its broadest sense, not necessarily limited to classroom teaching. It may include such activities as preparing students for mathematical competitions at the college level – for example, the Putnam Prize Competition or the Mathematical Contest in Modeling – or attracting students to become majors in a mathematical science or to become Ph.D. candidates.

[2] Influence beyond their own institution can take many forms, including demonstrated lasting impact on alumni, influence on the profession through curricular revisions in college mathematics teaching with impact beyond your institution, and influential innovative books on the teaching of mathematics.

You can help us identify those who should be considered for this award. Nominate a colleague who is an outstanding mathematics teacher!

For further details and a nomination form, contact:

E. Lee May, Chair
Teaching Award Committee
MD-DC-VA Section of MAA
Dept. of Math & Computer Science
Salisbury State University
Salisbury, MD 21801
(410) 543-6464
elmay@sae.ssu.edu

Completed nomination forms are due to Professor May by January 10, 1999.

Maryland-DC-Virginia Section Teaching Award Recipients

1992
John Smith
George Mason University

1993
Genevieve Knight
Coppin State College

1994
David Lay
University of Maryland

1995
I-Lok Chang
American University

1996
George Mackiw
Loyola College of Maryland

1997
E. Lee May
Salisbury State University

1998
Virginia Stallings
American University

1999
???

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*Maryland
District of Columbia
Virginia Section
Mathematical Association
of America*

*1999 Award
for
Distinguished College or
University
Teaching of Mathematics*

Fall Meeting: Towson University
MEETING HIGHLIGHTS

Friday afternoon features a workshop "Portfolio and Rubric Assessment in Mathematics Classes". Professor **Lyn Stallings** from American University will be the speaker for the workshop. Participants will learn about portfolios and rubric grading techniques that have been used successfully in undergraduate and graduate classes. The workshop will culminate with a discussion on how to effectively incorporate portfolios, rubric grading and student self-assessment in evaluating performance.

Our Friday evening speaker will be **Dr. James White** from Mathwright Library. Professor White will discuss, with examples, a new role for 3D graphics in the support of visualization. The talk describes Mathwright Mindscapes, a new authoring environment that teachers may use to build simulations in geometry and physics. It will also, in an admittedly speculative way, propose some entirely new pedagogical uses for 3D graphics in mathematics.

Saturday will consist of many contributed papers, the business meeting, and book displays. The best of the student paper presentations from the morning will be recognized at an award ceremony prior to the keynote Invited Lecture.

The Saturday Keynote Lecture will be given by **Dr. John Benedetto**. Professor Benedetto will talk on "Wavelets and Applications". This talk will feature the definition of Wavelets and the role and relevance of wavelets in certain areas of the mathematical sciences. It is shown how wavelets sometimes play a role in noise reduction, seizure prediction, and speech coding - and sometimes do not!

Saturday afternoon also features "Lecture for Students". **Kevin Colligan** will speak on "Webs, Sieves, and Money: Number Theory's Rubber Hits the I-way Road". In this lecture we learn that the Internet is not only changing the way that people communicate; it is also changing some aspects of commerce, and promises to have an even larger impact in the future. It may in fact be a fundamental communications paradigm shift, not unlike what happend when mass-market print media and telephone were introduced.

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Meeting Program

Friday, 13 November, 1998

3:30–5:15 Stephens 204

Workshop: Portfolio and Rubric Assessment in Mathematics Classes

Dr. Lyn Stallings

American University

5:30-6:30 Refreshments and Registration
Burkshire
followed by:

Dinner from 6:30–7:45 PM
Welcoming Remarks:Towson University President

Dr. Hoke Smith

8:00-9:00 PM Invited Lecture

Dr. James White

Mathwright Library

3-Dimentional Graphics and Geometry on the Desktop

Saturday, 14 November, 1998

8:00–10:00   Registration and Refreshments

9:00–10:50   Workshop: The New Mathright Library
James White, Mathwright Library
Cook Library

♠ All Contributed Papers will be in the **Stephens Building** ♠

Please note that a student's presentation is marked with *

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Contributed Papers

9:00–9:30 AM   Session I

Room 204:   "Mathematical Sciences During the Byzantine Empire",
Ilhan A. Izmirli, Strayer College.

Room 215:   "The Reversing Symmetry Group in a First Course in Group Theory",
Geoffery R. Goodson, Towson University.

Room 222:   "A Generalization of the Natural Logarithm",
Dan Kalman, American University.

Room 203:   "Mathematical Videos, Titles to be announced",

9:40–10:10 AM   Session II

Room 204:   "Computers and the Egyptian Process of Duplation and Mediation",
Ahlam Tanouri, Moragan State University.

Room 215:   "A Pascal-Like Pyramid",
Robert Hanson, James Madison University.

Room 222:   "Tabular Model, Fertility Rate, and Human Population Growth"
Mohammad Moazzam, Salisbury State University.

10:20–10:50 AM   Session III

Room 204:   "Multigrid Methods in Fortran 90",
Paul Dostert, James Madison University,*.

Room 215:   "Using Computer Graphics to Investigate Group Structure",
Michael J. Bardzell and Kathleen M. Shannon, Salisbury State University,*.

Room 222:   "Down 4 With a Minute to Play",
G. Edgar Parker, James Madison University.

Room 201:   "Visualizing Complex Mappings From an Evolutionary Point of View",
Stephen Casey, Keith McCarron, and Rebecca Torrey,
American University,*.

11:00–11:50 Keynote Invited Speaker

Stephens Auditorium

Dr. John Benedetto

University of Maryland

"Wavelets and Applications"

. . . .

12:00–1:30 Lunch

1:40–2:10 Business Meeting
Stephens Auditorium

2:20–3:30 Invited Lecture for Undergraduate Students
Stephens Auditorium
"Webs, Sieves, and Money: Number Theory's Rubber Hits The I-way Road"
J. Kevin Colligan, National Security Agency.

2:20–2:50   Session IV

   Room 204:   "Design of a Readings in Mathematics Course",
                        George Piegari, Virginia Military Institute.

   Room 215:   "Fast Calculations of Invariant Factors over a Principal Ideal Domain",
                        Peter M. Joyce(Nilotpal Ghosh, Coauthor),Catonsville Community College.

   Room 222:   "Renewal Models for Genetic Recombination",
                        John Nolan,, American University.

   Room 201:   "Introducing Infinite Series Via the St. Petersburg Paradox",
                        Lester Coyle, Loyola College in Maryland.

3:00–3:30   Session V

   Room 204:   "Project NExT: Discussions Via e-mail",
                        Jacquelin Anderson Hall, Longwood College.

   Room 215:   "Super Algebras",
                        Goerge De Rise, Thomas Nelson Community College.

   Room 222:   "Global Behavior of Some Discrete Epidemic Models ",
                        Parviz Khalili, Christopher Newport University.

Section Officers to be Elected at Spring Meeting

At our Spring 1999 meeting we will elect a new

- Treasurer (to replace Jon Scott, who was elected Governor)
- Newsletter Editor (to replace Parviz Khalili, whose term is expiring)
- Program Chair (to serve one year as Program Chair Elect and then two years as Program Chair).

If you are interested in running for one of those offices or would like to find out more about them, or if you would like to nominate someone, please contact one of the Section officers. We would love to see some new faces among our ranks!

Lodging for Fall Meeting

The Burkshire
10 W. Burke Avenue (Across the street from the University)
Free Continental breakfast
$83/ night (indicate that you are going to MAA meeting sponsored by Towson University)
(410) 324-8100

Days Inn
Loch Raven Blvd and the Beltway (somewhat farther from the University)
$52/ night double
(410)-882-0900

Econolodge
10100 York Road (a bit more remote)
$35/ double
(410) 667-4900

Sheraton
903 Dulaney Valley Road (close to the University, elegant)
$96 / night
(410) 410-321-7400

Town and Country
16 Dunvale Road (rooms seems clean enough, also a bit difficult to get to)
$73/ night for a double bed and $42 for single
(410) 823-2682

Maryland/DC/Virginia Section of the MAA
Spring 1999 Meeting: April 9–10
James Madison University

Early Call for Papers

Presenter: _____

Institution/Organization: _____

Address: _____

_____

Phone number: _____ day _____ evening

E-mail: _____

Title of paper: _____

Content area: _____

Is this talk recommended for students: _____ ☐ Yes   ☐ No _____

Equipment needed: _____

Status: ☐ Faculty
               ☐ Professional
               ☐ Student: ☐ Undergraduate   ☐ Graduate

Please attach a two- or three-sentence description of your proposed talk. Please also attach a brief *vita* so that we may introduce you properly.

> ## Deadline: February 6, 1999

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MD-DC-VA Liaisons

The MAA has revised and expanded the department representatives program. The representatives are now called liaisons and the MAA hopes that this new program will bring a greater degree of contact between the national organization, the sections, and the individual members.

Below is a list of our section's liaisons. Please bring any errors, omissions, changes, or additions to the attention of Eve Torrence (etorrenc@rmc.edu). Also, if your institution or an institution with which you have contact does not have a liaison, any effort to recruit a liaison for that institution will be rewarded handsomely. Please note, for example, that the University of Virginia does not have a liaison.

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Section's Distinguished Teaching Award Winner

This year's winner of the John Smith Award for distinguished College or University Teaching is Prof. Lyn Stallings, of American University. Virginia (Lyn) Stallings earned her Ph.D. in 1989 at the University of Southern Mississippi. She is the Chair of the Department of Mathematics and Statistics at American University, and has been a member of the faculty there since 1991. Her effectiveness in the classroom is well known at American University. She receives uniformly high ratings on students teaching evaluation forms, and was the recipient of the 1994 American University Faculty Award for Outstanding Teaching. In 1987 she received a National Science Foundation Presidential Award for Excellence in Mathematics Teaching. Dr. Stallings has also been extremely effective in graduate education, playing a central role in American's doctoral program in Mathematics Education, and serving as the major professor for six successful PhD candidates since 1992. All of these students have gone on to professional positions in mathematics education, primarily as college teachers.

Dr. Stallings has made numerous contributions to the broader goals of mathematics education, both on and off campus. On campus, she was one of the developers of a tutoring laboratory that currently serves the needs of hundereds of undergraduate mathematics students, while providing valuable experience for advanced undergraduate students in mathematics and related fields, as well as graduate students in mathematics education and statistics. She originated American University's annual Sonya Kowalevsky day, a celebration of mathematics for girls in local secondary schools. The program has been very successful and popular with the students and their teachers, as well as receiving a very positive review in the newsletter of the AWM. Dr. Stallings has initiated links with the DC public schools, and has been successful in developing opportunities for in-service teachers to advance their studies, as well as for mathematics education graduate students to work with the school system. She has worked actively with professional organizations, especially the NCTM, and has served as a peer reviewer for both journal articles and grant proposals. She has also been successful in developing grants for educational innovations, including two grants at American University promoting new uses of technology in the classroom.

An active current interest for Dr. Stallings is the development of alternative approaches to evaluation, including ruberic grading and portfolio assessment. She has given many workshops at professional meetings on these topics. Dr. Stallings has also worked with graduate students performing research in this area. This joint work has resulted in an approach to examinations that motivates students to assess their own errors, gives them credit for learning that occurs in the process, and still remains a managable system for the instructor. Interested faculty can find out about this system at a workshop Dr. Stallings is presenting at the Fall section meeting.

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