



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

Newsletter, Spring 1999

Vol. 20, No. 2 Final

February 1999

**Spring Meeting
James Madison University
April 9-10**

The Fall meeting of the MD-DC-VA section of the MAA will be held at James Madison University.

In its 91-year history, JMU has grown from a state normal and industrial school for women to today's coeducational comprehensive university with a fall, 1998, enrollment of 14,400.

Dr. Linwood H. Rose has been president of JMU since September, 1998. He is only the fifth president in the university's long history. Before being named president, Rose served as a member of the institution's administration for 23 years, including service as executive vice president and chief operating officer.

The university was established by the Virginia General Assembly in 1908 as the State Normal and Industrial School for Women at Harrisonburg. In 1914, the name of the university was changed to the State Normal School for Women at Harrisonburg. Authorization to award bachelor's degrees was granted in 1916. During this initial period of development, the campus plan was established and six buildings were constructed.

The university became the State Teachers College at Harrisonburg in 1924 and continued under that name until 1938, when it was named Madison College in honor of the fourth president of the United States. In 1977 the university's name was changed to James Madison University.

The first president of the university was Julian Ashby Buruss. The university opened its doors to its first student body in 1909 with an enrollment of 209 students and a faculty of 15. Its first 20 graduates received diplomas in 1911.

**Spring Meeting April 9-10
Harrisonburg, VA**

Our Spring meeting in James Madison will have a full program featuring

- Anita Solow as the Friday night speaker
- James Tattersall as the Saturday invited speaker
- Harel Barzilai as the Saturday invited speaker
- James Sandefur as the Saturday workshop host
- Student Chapters Conference
- Contributed paper sessions
- Book signing event
- The MAA business meeting
- And more!

Details inside.

(continued from page 1)

Dr. Samuel Page Duke became the second president of the university in 1919 upon the resignation of Burruss, who became president of Virginia Polytechnic Institute and State University. During Duke's administration, nine major buildings were constructed.

In 1946 men were first enrolled as regular day students. Dr. G. Tyler Miller became the third president of the university in 1949, following the retirement of Duke. During Miller's administration, from 1949 to 1970, the campus was enlarged by 240 acres and 19 buildings were constructed. Major curriculum changes were made and the university was authorized to grant master's degrees in 1954.

In 1966, by action of the Virginia General Assembly, the university became a coeducational institution. Dr. Ronald E. Carrier, JMU's fourth president, headed the institution from 1971 to 1998. During Carrier's administration, student enrollment and the number of faculty and staff tripled, doctoral programs were authorized, more than 20 major campus buildings were constructed and the university was recognized repeatedly by national publications as one of the finest institutions of its type in America.

Governor's Report

I came away from the San Antonio Board of Governor's meeting with a renewed sense of how much good work goes on within the Association and just how important the MAA is for those of us involved with collegiate mathematics. Much of what happens at both the Section and National level does so because of the efforts of volunteers like you. Thanks.

Just prior to the January meeting, Marcia Sward announced her intentions to step down as Executive Director, a post she has held for about ten years. Marcia has been a long time member of our Section; I'm sure you join me in thanking her for her service and wishing her well. Now comes the search for a new Executive Director, a process now underway.

The Board launched a new planning initiative, "New Agenda for the 21st Century." What are the important issues facing the MAA as it attempts to carry out its mission in the next few years? How should the MAA respond? A report, listing priorities, is due to the Board at the Providence meeting this summer. Much of the input for this activity comes from the membership. It certainly was a topic on the agenda of all the various committee meetings at San Antonio. But you might be wondering how you could get your ideas known. Here are a couple of suggestions: First, talk with your departmental liaison. One of that person's important tasks is just that—to voice the concerns of the members back to the leadership. You may also be contacted this spring about membership needs. If so, please participate in this study.

You will be glad to know that the Board passed, without any objection, our Section's by-laws change. This means that when we elect a new Program Chair, that person will serve as Vice Program Chair during the year prior to the start of his or her term.

Make plans now to attend the 1999 Mathfest in Providence over the long weekend of July 31 to August 2. There is an impressive list of invited speakers, contributed papers sessions, minicourses, and lots of activities for undergraduate students. Watch for the detailed program announcement in the April issue of FOCUS. Looking ahead a year, Mathfest 2000 will be held at UCLA on August 3-5, 2000.

I hope you will make every effort to attend our Spring Section Meeting and Student Conference at James Madison University. Dan Kalman and Kathleen Shannon have put together a very busy and informative time for us. Bring a colleague and bring students. Among all the various activities to occupy your time, I want to call your attention to the MAA booksale. I don't think I need to convince you of the quality of MAA publications. You may not be aware of the incredibly good deal you get when you buy at the section meeting. This year, all books are available at a 10% discount from the member price, and you save shipping costs. We will try to have a good selection of what is new and current for you to take with you, but you may order from the catalog as well. The only requirement is that you order and pay (cash, check, credit card) at the meeting. The Section gets a nice reward too—12% of the purchases. The Executive Committee has decided to use these funds to support the Milcetic Student Achievement Fund. So everyone benefits!

See you at James Madison.

Jon W. Scott

Report of the Section Chair

We are looking forward to another interesting and fun spring meeting, at James Madison University. We will have our usual mix of invited and contributed talks, a Friday night banquet, and a Saturday workshop. We will present this year's John M. Smith Award for Distinguished Teaching to a member of our Section, and we will recognize many other fine teachers in our ranks. We will elect new officers. We will honor two of our Section members who have recently published MAA books with a book-signing, complete with card tricks! And we will also be holding a special student conference, which I think is especially exciting. Consult MAA Online, or the other sections of this newsletter, for news about both programs. Please plan to attend the spring meeting, and bring lots of students! Your only problem will be deciding from among the many activities and talks to attend.

Many MD-DC-VA Section members attended the national mathematics meetings in San Antonio in January, and I think it is safe to say that everyone had a wonderful time and enjoyed the warm, sunny weather and Tex-Mex food, as well as some wonderful mathematics talks. At the Section Officers meeting, we discussed the Association's planning for the 21st century, local Project NExT-like programs in the Sections, and the work of department liaisons. The Board of Governors passed the change we had proposed in our Section by-laws, allowing us to elect our program chair in a new way. So this spring, for the first time, we will choose a Section Program Chair-elect, who will serve in that office for one year and then serve a regular two-year term as Program Chair. We will also be electing a newsletter editor and a treasurer, as Parviz Khalili and Jon Scott end their terms of office. Many thanks to them for serving us so well during the past years! This will also be my last meeting as chair; Carol Crawford will take over as our new Section chair after the spring meeting. I wish her much success.

Looking forward to seeing many of you in Harrisonburg.

Betty Mayfield,
Section Chair

TREASURER'S REPORT

February 15, 1999

<u>General Account Balance September 30, 1998</u>	\$ 7367.49		
<u>Receipts</u>		<u>Expenses</u>	
Interest	\$ 69.92	Newsletter	\$ 1277.74
Meeting registrations	\$ 2804.00	Speaker Expenses	\$ 502.66
Exhibitor's fees	\$ 400.00	Meal functions	\$ 1556.15
<u>Total Receipts</u>	\$ 3273.92	<u>Total Expenses</u>	\$ 3336.55
<u>General Account Balance, February 15, 1999</u>	\$ 7304.86		

John G. Milcetic Memorial Student Achievement Fund		Student Conference Fund	
Balance-September 30,1998	\$ 584.59	Balance-September 30,1998	\$ 1970.71
Contributions	\$ 143.00	Interest	\$ 23.74
Interest	\$ 6.63	Student Chapters Award	\$ 900.00
<u>Balance - February 15, 1999</u>	\$ 734.22	Mailing Expenses	\$(93.06)
		<u>Balance - February 15, 1999</u>	\$2801.39

Jon W. Scott, Treasurer

MINUTES OF THE FALL MEETING (1998)

Towson University Saturday November 14, 1998

The meeting was called to order by Chair Betty Mayfield.

Minutes and Treasurer's Report: The minutes of the spring 1998 meeting were approved. This was followed by the Treasurer's report from Jon Scott. Scott reported a balance of \$ 6913.33 in the general fund, \$ 716.89 in the Milcetch Fund with \$130 in contributions this past year, and \$ 2878.43 in the student conference fund. Scott also reported that the attendance at the meeting was 151, including 34 students and 4 vendors. This is the first year that registrations were accepted by email. Scott noted that this worked well and that all persons who registered by email paid him at the meeting.

Student Conference: The student conference fund is the residue from the summer workshop funds that the section previously hosted plus a \$900 grant from Exxon. The last student conference, which was held in conjunction with the St. Mary's College meeting, cost about \$2700. This subsidized student hotel rooms and paid for speakers, food, and other miscellaneous items. Kathleen Shannon and Andy Vogt, our student chapters' coordinators, have formed a committee for the conference. Kathleen Shannon and Helen Christensen are chairing this committee. Other members include Andy Vogt, Bob Hanson, and Ira Walker. Shannon asked the committee to meet right after the business meeting. The members voted to allow the Executive Committee to approve up to an additional \$1000 in expenditures from the general fund for this conference should it be necessary.

John Milcetch Fund: The John Milcetch fund is used to award prizes to student speakers at the spring meeting. Because the fund has been awarding more dollars in prizes than it has been getting in contributions, the fund has been decreasing. The fund supports about 6 prizes each spring. It does not support the Mathematical Contest in Modeling (MCM) or Putnam exam winners who are supported from the general fund. Section members are encouraged to contribute to the fund.

Future Meetings: The dates of future meetings were given. The Section meetings are: (a) Spring of 1999 to be held April 9 - 10 at James Madison University in Harrisonburg, Virginia, and (b) Fall of 1999 to be held at Loyola College in Baltimore, Maryland November 13 - 14, 1999. The national meeting in winter of 1999 is San Antonio January 13 - 16.

Change in By-Laws: At the spring 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 begins 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 July meeting of the MAA Committee on Sections in Toronto, our by-law change was discussed and forwarded to the MAA Executive and Finance Committee. If that Committee approves the change, the Board of Governors will vote on it in January of 1999 in San Antonio. If this is approved, it will take affect for the spring election of officers.

Elections: Elections in the spring 1999 will be for Program Chair-Elect (assuming the MAA Board of Governors approves our by-law change), Treasurer, and Newsletter Editor. Mayfield asked the members to volunteer or nominate someone else.

Award for Distinguished Teaching: Mayfield announced that Lee May of Salisbury State University was the Chair of the Committee to select the Section teaching awardee. Information forms on this award were at the registration area.

Book Sales: At this meeting 44 MAA books with total value of \$921.50 were sold. There are at least three benefits of purchasing MAA books at the meeting: (a) the prices of the books at the meeting are at least 10% below the regular member price, (b) people can take the books and avoid the shipping fees, and (c) the section gets 10% of the total sales of books sold at the meetings. In addition, the books are available for people to see before they are purchased.

Section Home Page: Mayfield complimented Dan Kalman and John Nolan for the excellent job that they are doing with the Section Home Page which is part of MAA Online. Kalman noted that if others were willing to help, it would be greatly appreciated.

Local Arrangements: Betty Mayfield thanked local arrangements coordinator James Coughlin and Mathematics Department Chair Saeed Ghahramani and their colleagues for arranging the meeting. The Towson mathematics department provided the morning refreshments and the refreshments for the Friday night cocktail hour. The secretary was asked to send a letter of appreciation to Towson University for hosting the meeting.

Recognition for 25-Year Members: There was a discussion about whether the Section should have a special recognition for the 25-year members at the spring meeting. It was noted that last year, about 30 letters were sent to 25 year members telling them that they would be recognized at the business meeting and offering them a complimentary lunch. Only 2 accepted which meant that the secretary had to send the other certificates by mail. The members recommended that the original mailing have the certificate enclosed, but still have a special recognition ceremony and offer a complimentary lunch. There was a suggestion that we offer them the choice of a complimentary lunch or a contribution in their name to the John Milcetch fund.

(Minutes of.. continued)

Announcements: Mayfield urged all members to talk with the publishers who attended. Publishers pay to exhibit, and these funds help support the section.

Respectively submitted:

Elizabeth J. Teles

Secretary for the Section

Book Signing at Spring Meeting

Two members of our Section have recently had books published by the MAA, and we will celebrate their success with a book signing event at the spring meeting.

Brent Morris will perform card tricks at the MAA book table to illustrate the ideas in his book, **Magic Tricks, Card Shuffling and Dynamic Computer Memories**. It is new in the Spectrum Series of titles intended to appeal to a broad range of readers from high school students to researchers. In it, Morris explores the surprising interconnection between magic tricks, cards, and computers.

Dan Kalman's book, **Elementary Mathematical Models: Order Aplenty and a Glimpse of Chaos**, is a new addition in the Classroom Resource Materials Series, and is suitable as a text in college algebra, finite mathematics, precalculus, and liberal arts mathematics courses.

In addition, our Friday night banquet speaker, Anita Solow – a new member of our Section – is the editor of two MAA publications, **Learning by Discovery: a Lab Manual for Calculus**, and **Preparing for a New Calculus**.

You can read descriptions of all these books on MAA Online. The authors will be available at the **MAA Book Table, Burruss 117, from 9:40-10:30 a.m. on Saturday**. Copies of their books (and others!) will be available for sale – or you may bring along a copy you already own, and have it autographed.

Betty Mayfield

Math/CS Department

Hood College

Frederick, MD 2170

♣ Future Meetings – Mark your calendar! ♣

Summer 1999 Mathfest: Providence, July 31 - August 2

Fall 1999 Section meeting: Loyola College in Maryland, November 12-13

Winter 2000 Joint Meeting: in ♥our♥ section! Washington, DC, January 19-22

Spring 2000 Section meeting: Bowie State University

Put Friday and Saturday, April 9 & 10, On your calendar

for a unique opportunity to participate in the mathematical community and to explore what is "out there" for mathematics majors.

The MD/VA/DC section of the the Mathematical Association of America,
with support from the Exxon Foundation, invites you to participate in a
Student Mathematics Conference.

The conference will take place at
James Madison University in Harrisonburg, VA, 125 miles southwest of D.C.

Come and Participate in:

- Panel presentations by recent mathematics graduates on career and graduate school opportunities, with question and answer sessions.
- Two keynote addresses by nationally recognized mathematicians.
- Opportunities to meet and socialize with mathematics students from other universities in the region and best of all,
- Presentations by (you and) your peers!

For more information contact: Kathleen Shannon (email: kmshannon@ssu.edu)
Department of Mathematics and Computer Science
Salisbury State University
Salisbury, MD 21801

or visit our web site at: <http://henson2.ssu.edu/~kmshanno/maa/st-conf.htm>

Call for Student Papers & Poster Presentations

The MD/VA/DC section of the Mathematical Association of America invites abstracts for presentations to be made by students on topics of mathematical interest. A presentation may be either a poster presentation or a 15 minute talk. There will be prizes awarded for the best talks and for the best poster presented by a student or group of students of freshman status, by a student or group of students of sophomore status, by a student or group of students of junior status or by a student or group of students of senior status*.

Students should send the following:

- a brief (200 words or less) abstract,
- an indication of whether the presentation will be a poster or a talk,
- the author(s) name(s), address(es), year(s) in college, and (if possible) email address(es)
- a faculty advisor's name, address and (if possible) e-mail address.

To: Kathleen Shannon (email: kmshannon@ssu.edu)
Department of Mathematics and Computer Science
Salisbury State University
Salisbury, MD 21801

DEADLINE: March 15, 1999

*groups of students who are at different levels will be judged with the level of the most senior student in the group.

**MAA Student Conference April 9-10 1999 James Madison University
Registration Form - Please Print**

Name: _____

Institution(School): _____

E-mail Address: _____

I will attend

_____ @\$10.00 Conference on Saturday (includes lunch for those who preregister)

_____ @\$5.00 Mexican Buffet followed by Ice Cream Social
(with Keynote address by Joseph Gatllian)

_____ Total Enclosed

Circle one: Yes / No: I plan to stay at the Hotel on Friday night and am requesting a room subsidy. Circle Yes even if you are hoping to get on-campus accommodations if you stay in a hotel in the event they are not available.

Housing Information: A limited number of "free" accommodations with JMU student and faculty hosts will be available (with gender and smoking restrictions in some cases) on a first come first served basis. Students wishing to stay with JMU hosts should contact Dr. Bob Hanson at hansonjr@jmu.edu. Some accommodations may require a sleeping bag. Hotel rooms are available at Howard Johnson's at a rate of \$42.71 for a room with 1 to 4 persons. Students who preregister for the conference will be eligible for a \$5 per student subsidy of the hotel room cost. Thus a room with four students will cost the students $\$42.71 - 4 * \$5 = \$22.71$.

Students should make reservations directly with the hotel at: Phone 540-434-6771. Location off I-81 at Exit 245 across the road from JMU on Port Republic Road.

we will post the names and e-mail addresses of any student who wishes to use this mechanism for finding someone to share a hotel room with. Names will be posted as they are received; please check the site regularly. As soon as you have made arrangements you acn e-mail: kmshannon@ssu.edu to have your name removed from the page. Students who wishes their names and e-mail addresses published on our web site so that other students may contact them to share hotel rooms must fill out the following additional information:

I wish my name and e-mail address to be posted on your web site as a possible roommate for another student to contact.

I am a (circle one:) Male / Female (circle one:) smoker / non-smoker.

Signature: _____

Please mail with check or money order made payable to MAA to:
Kathlee M. Shannon
Department of Mathematics and Computer Science
Salisbury State University
Salisbury, MD 21801.

Deadline: TBA

Spring 1999 Meeting Registration Form

Print it, fill it out, and mail it with payment to

Jon Scott, Department of Mathematics, Montgomery College,
Takoma Park, MD 20912

in time to arrive by **April 2, 1999.**

Please submit a separate form for each attendee. Make checks payable to MAA.

Name				
Affiliation				
Address				
Phone		e-mail address		
Are you an MAA member?		Is this your 1st MAA section meeting?		
Registration: (check type, enter fee at far right)	Regular (\$10) <input type="checkbox"/>	Guest (free) <input type="checkbox"/>	Fee	
Saturday Workshop (optional): to reserve a place, enter \$10 at right			Fee	
Contribution to John G. Milcetic Memorial Student Achievement Award Fund (optional)			Amount	
Friday night dinner (optional): includes coffee or tea, salad, and desert. Check desired entree, enter \$15 at far right	Beef tips peppercorn, bourbon sauce <input type="checkbox"/>	Chicken breast roulade, stuffed with toasted bread and Asiago, Romano, and Pecorina cheeses <input type="checkbox"/>	Pasta Primavera (vegetarian) <input type="checkbox"/>	Fee
Saturday lunch (optional): Deli sandwiches (make your own), Potato chips, or/and taco salad, plus brownies/cookies, soft drinks. To order lunch, enter \$6 at right. It is not necessary to specify a choice of entree.			Fee	
Total payment enclosed (enter at far right)				

Spring Meeting: James Madison University

MEETING HIGHLIGHTS

The spring meeting of the MD/DC/VA Section of the MAA will be held April 9 and 10 at **James Madison University**, Harrisonburg, VA. Buruss Hall will be the location of many of the sessions. The program will begin with a reception and banquet Friday evening, featuring an address by Anita Solow. Refreshments at the reception are being generously provided by Prentice Hall publishers, for which we express our appreciation.

Saturday there will be addresses by James Tattersall and Harel Barzilai, a workshop by James Sandefur, and contributed papers. There will also be exhibits, and even a book signing. The following authors will sign copies of the indicated MAA publications. Brent Morris: Magic Tricks, Card shuffling and Dynamic. Computer Memories; Dan Kalman: Elementary Math Models; Anita Solow: Learning by Discovery – A Lab Manual for Calculus and Preparing for a New Calculus. There will be copies of these books available at the MAA book sale. If you already own a copy of one (or more) of these books, bring it along and have it signed.

The meeting will be held in conjunction with a student mathematics Conference.

Meeting Program

Friday, 9 April 1999

6:00-7:00 PM Reception and Cocktail hour (refreshments provided by **Prentice Hall**)
Warren Hall, Highlands Room
followed by:

Dinner and invited lecture from 7:00–9:00 PM

Warren Hall, Highlands Room

Invited Lecture: **Women in Mathematics: Reality and Myths**

by

Anita Solow

Randolph-Macon Women's College

Saturday, 10 April 1999

8:30–10:00 Registration and Refreshments - Miller Hall

8:30–2:00 **Book Displays and Sale** - Buruss Hall 117

9:00–10:50 **Workshop: Applications for lower level college mathematics**

James Sandefur

Georgetown University

Buruss Hall 033

All contributed papers will be in the Buruss Hall

Contributed Papers

9:00–9:30 AM Session I

Buruss 032: “A year sequence in undergraduate mathematical modeling at JMU”,
James Sochacki, James Madison University.

Buruss 126: “Using Math Forum’s Problem of the Week in a general education mathematics course for
college students”,
Jeanne Fitzgerald, James Madison University.

Buruss 130: “Fixed and rotating frames of reference”,
John Marafino, James Madison University.

Buruss 135: “Experiences with a combined linear algebra-differential equations course”,
Gary L. Peterson, James Madison University.

Buruss 139: “An exploration of the musical pitch class group”,
Leonard VanWyk, James Madison University.

Buruss 141: “On Mathieu’s Inequality”,
Hongwei Chen, Christopher Newport University.

9:40–10:30 AM **Buruss 117** **Book Signing**

9:40–10:10 AM Session II

Buruss 032: “A coherent survey course in college geometry”,
Robb T. Koether, Hampden-Sydney College.

Buruss 126: “Recognizing and developing your students’ mathematical sophistication”,
Gideon Weinstein, American University.

Buruss 130: “Sums of integer powers: a combinatorial approach”,
George Mackiw, Loyola College in Maryland.

Buruss 135: "Using Mathcad to determine quantum numbers",
Theresa A. Francis, Mount St. Mary's College.

Buruss 139: "Mathematical aspects of music, part I",
Ilhan Izmirli, Strayer University.

Buruss 141: "A multi-type percolation model",
John C. Wierman, Johns Hopkins University.

10:20-10:50 AM

Session III

Buruss 032: "A mathematical exploration of the history of the human population",
Lyn Geissler III, Randolph-Macon College.

Buruss 126: "Hot topics course for high school students",
George DeRise, Thomas Nelson Community College.

Buruss 130: "Minimal relative separators for chordal graphs",
Dawit Haile, Virginia State University.

Buruss 135: "Visualizing Gaussian elimination",
Daniel F. Symancyk, Anne Arundel Community College.

Buruss 139: "3D visualization of mathematical functions using the Virtual Reality
Modeling Language (VRML)",
Bonita V. Saunders, National Institute of Standards and Technology (NIST).

Buruss 141: "The Goldberg method for solving problems in probability and statistics",
Lee May, Salisbury State University.

11:00-11:50 AM

Miller 101

Invited Lecture

Mathematical Vignettes from Cambridge University

James Tattersal

Providence College

12:00-1:20 PM

Warren Hall, Highlands Room

Lunch

1:20-1:50 PM

Miller 101

Business Meeting

2:00–2:50 PM Miller 101

Invited Lecture

The Birth of Molecular Computation

Harel Barzilai

Lynchburg College

3:00–3:15 PM Miller 101

**Awards for Best Student Papers and
Meritorious Mathematical Contest in Modeling Teams**

3:00–3:30

Session IV

- Buruss 126: “How can schools meet the NCTM Standards for K-12 mathematics?”,
C. Wayne Patty, Virginia Tech University.
- Buruss 130: “Pseudo-Conjugacy in finite groups”,
G. Edgar Parker, James Madison University.
- Buruss 135: “Using concepts from logic to solve systems of nonlinear equations ”,
Richard Maruszewski, US Naval Academy.
- Buruss 139: “Abraham De Moivre’s “The Doctrine of Chances”,
Christopher E. Barat, Virginia State University.
- Buruss 141: “The Clairault equation”,
James P. Coughlin, Towson University.

Election of Officers at Spring Meeting

We will elect three new officers at the spring meeting:

- * **Treasurer** : Bonita Saunders of NIST has been nominated for a three-year term.
- * **Newsletter Editor** : Eve Torrence of Randolph Macon College has been nominated for a two-year term.
- * **Program Chair** : Robert Grafton of NSF has been nominated for a one-year term as Program Chair-Elect, and then a full two year term as Program Chair.

Other nominations will be accepted from the floor at the meeting.

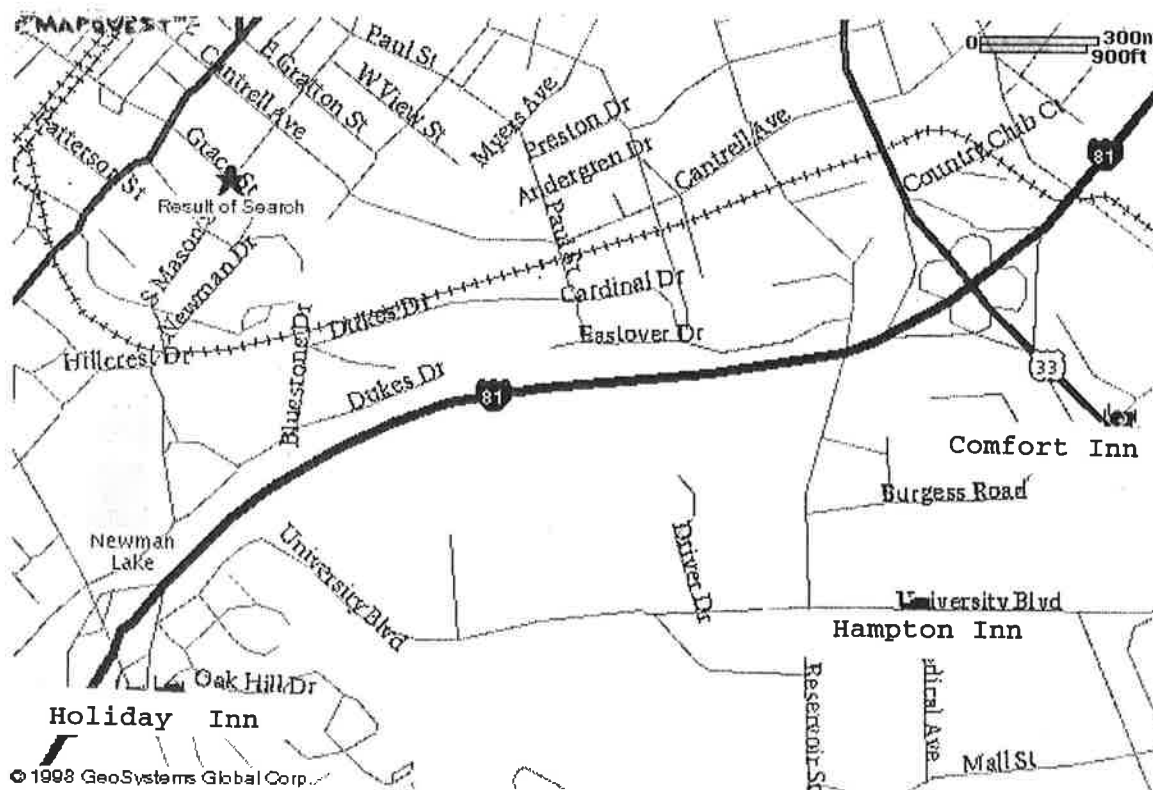
Lodging for Spring Meeting

For the following motels, mention the "mathematics meeting" and request the conference rate. Prices do not include tax. See map for hotel location. Both are close to campus.

Howard Johnson (HOJO) Inn
I - 81 @ Exit 245 (Port Republic Road)
1 to 4 people \$39.95
(540)-434-6771

Comfort Inn
1440 E. Market St.(US 33)
Single - \$45
Double - \$55
(540)-433-6066

** The following map shows location of these hotels: Comfort Inn, Hampton Inn, Holiday Inn **

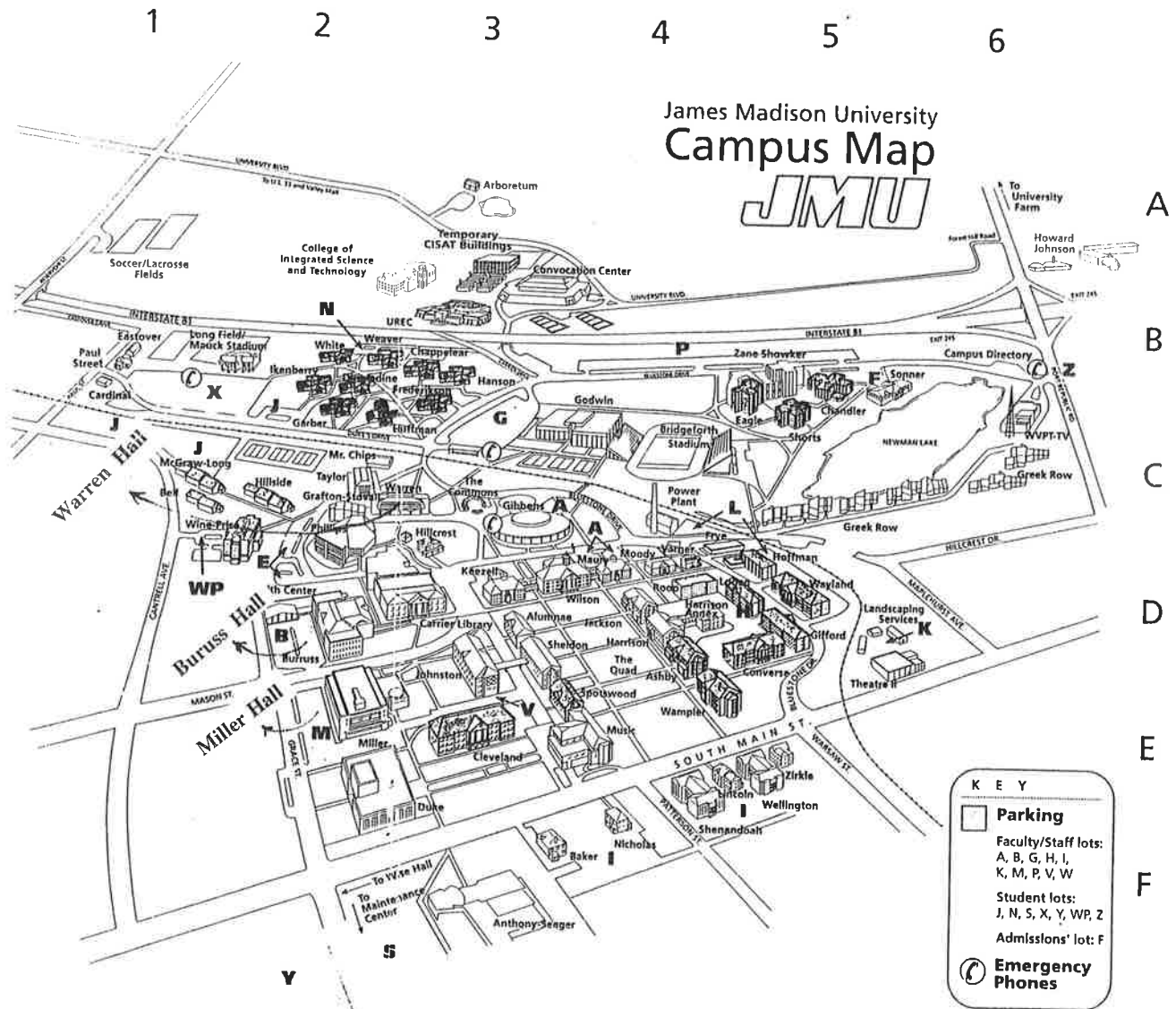


Directions to James Madison University

To reach campus from the north on I-81, take exit 247 for US 33 West, and turn left at the first traffic signal onto Cantrel Street. Pass two traffic signals on Cantrel; after the crest of a hill, turn left at the third Cantrel traffic signal (at Rockingham Hospital) onto Mason Street. Go straight at the next stop sign, and turn left into the Burruss Hall parking lot immediately after this intersection. See campus map for details. Additional parking is available in the Miller Hall lot. The Comfort Inn is located on US 33 east of exit 247.

From the South on I-81, take Exit 245 and turn left (west) onto Port Republic Road. Drive past the first JMU entrance, and after the crest of a hill, turn right at the traffic signal onto Main Street. At the 2nd traffic signal after turning onto Main, turn right onto Grace Street. At the top of the hill at the stop sign, turn right onto Mason and immediately turn left into the Burruss Hall lot. See campus map. The Howard Johnson's Inn is located on Port Republic Road, just east of I-81 Exit 245.

No parking permit is necessary. If an attendant is present, mention the MAA or "mathematics meeting." (If you mistakenly receive a parking ticket, give it to one of the local organizers or send to the JMU Mathematics Department, Harrisonburg, VA 22807).



Maryland/DC/Virginia Section of the MAA
Fall 1999 Meeting: November 12-13
Loyola College

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: September 7, 1999

Send to Program Chair:

Dr. Dan Kalman
Department of Mathematics and Statistics
American University
4400 Massachusetts Avenue, NW.
Washington, DC 20016-8050
Voice: (202) 885 - 3122
FAX: (202) 885 - 3155
email: kalman@email.cas.american.edu
homepage: <http://www.cas.american.edu/kalman/>

Maryland-D.C.-Virginia Section of the Mathematics Association of America

Chair

Betty Mayfield
Dept. of Math and C. S.
Hood College
Frederick, MD 21701-8575
(301) 696-3736
mayfield@hood.edu
FAX: (301) 694-7653

Program Chair

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FAX: (202) 885-3155

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Student Chapter Coordinators

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andy@gumath1.math.georgetown.edu

Kathleen Shannon
Dept. of Mathematics and C.S.
Salisbury State University
Salisbury, MD 21801
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(410) 543-6476

Teaching Award Committee

Chair
Lee May
elmay@ssu.edu

Chair-Elect

Carol Crawford
U.S. Naval Academy
Dept of Mathematics
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