Spring Meeting
College of William and Mary
April 18–19

The College of William and Mary, one of the nation’s premier state-assisted liberal arts universities, believes that excellence in teaching is the key to unlocking intellectual and personal possibilities for students. Dedicated to this philosophy and committed to limited enrollment, the College provides high-quality undergraduate, graduate and professional education that prepares students to make significant contributions to the Commonwealth of Virginia and the nation. In recognition, the media have included William and Mary among the nation’s prestigious “Public Ivys,” and ranked it first among state institutions in terms of commitment to teaching.

The college was chartered on February 8, 1693, by King William III and Queen Mary II as the second college in the American colonies. It severed formal ties with Britain in 1776, and became state-supported in 1906 and coeducational in 1918, then achieved modern university status in 1967. The national honor society, Phi Beta Kappa and the honor code system of conduct were founded at William and Mary.

Located in historic Williamsburg, Va., approximately 150 miles south of Washington, D.C., midway between Richmond and Norfolk, Va., the campus consists of approximately 1,200 acres including picturesque Lake Matoaka and the College Woods. Adjacent to Colonial Williamsburg, the Ancient Campus section is restored to 18th-century appearance.
GOVERNOR'S REPORT

It seems as though more of my time than usual was dedicated to committee meetings at the San Diego joint mathematics meetings, so this report is perhaps a bit skimpy. My apologies, but as I'm sure you also know all too well, committees are simultaneously boons and bane.

(1) First, the MAA Board of Governors meeting. The MAA ran a nontrivial deficit for 1996. The exact figures are not determined yet. It is by no means deadly to the MAA, but certainly has resulted in much closer scrutiny for the 1997 budget as well as some restructuring. You may have noted that fulfillment activities (e.g., book purchases and membership) have been outsourced. This and other fiscally prudent actions should bring 1997 very close to the break-even point.

(1a) I pass along a gentle reminder that the MAA is "flying solo" for the Atlanta Mathfest this coming August 2 - 4 in Atlanta. Please make every effort to support it by your attendance.

(2) The meetings themselves had almost 4K attendees when all categories were included. I'm positive that if anyone had a bad time there, the weather was not to blame. I was reminded by friends more familiar with the San Diego area that it is almost an island of perfect year-round weather: my second exposure to San Diego cannot contradict this.

(3) I attended the Math Reviews reception, and picked up the following tidbits (which are probably only useful at a mathematics wine and cheese affair). Use them at your own peril.

- There are currently about 1.4 million items in the Math Reviews holdings, and this is increasing by about 4K items per month.

- Only one individual had papers reviewed in volume 1, number 1 (1940) as well as in the most recent volume. Who is the author? (Answer at the end.)

- There are presently almost 12K reviewers from 95 countries.

- Math Reviews received 16K e-mails in 1996. (That's about 44 per day. And we thought our in-boxes were overloaded...)

- Finally, Math Reviews receives about 3.3 tons of material per year.

(4) Neal Lane (NSF) and Rep. George Brown (House Science Committee) spoke together but separately on the future of financing for the sciences and mathematics. Lane said we may see a 20% (twenty, no typo) reduction in federal R&D funding for science and mathematics over the next 5 - 10 years. He called it a "high-risk experiment that we've never undertaken before."

(4a) Brown noted that the science and mathematics community needs a larger political presence and awareness, even reaching to items such as Medicare, since (his words) "that's where the money will come from." Brown also said that the budget can't be balanced on the one-sixth of it that's discretionary, implying that entitlements have to be addressed. He added that pushing responsibility for entitlements to the states will create a squeeze there, noting that education is a big slice of the state pie. R&D will get hurt by such actions, too. In other words, addressing the entitlement problem will not create a windfall for mathematics. Brown referred to The Third International Mathematics and Science Study (TIMSS), and I also heard President Clinton refer to it in his State of the Union address. You can get some information on it on the Web at http://ustimss.msu.edu

I look forward to seeing many of you at William and Mary, and in Atlanta.

cheers,

j. kev
jkev@romulus.nesc.mil

Oh, and the individual whose papers were reviewed in Math Reviews in both 1940 and 1996 was, of course, Paul Erdos. Three papers in each. A gentle soul, a tremendous loss.

Election Slate

We will be electing a new secretary and newsletter editor at the spring meeting. The current list of candidates is:

Secretary: Elizabeth Teles, NSF
Newsletter Editor: Parviz Khalili, Christopher Newport University

As prescribed by the By-Laws, "There shall be provisions for additional nominations from the floor."
Notes from the Chair

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Jim Coughlin, Secretary

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Lodging for Spring Meeting

Twenty-five rooms have been reserved for us at the Hampton Inn, located in central Williamsburg. They have an indoor pool, a sauna, a whirlpool, and HBO in the rooms. The cost per room (single or double) is $75 (plus tax) with free deluxe continental breakfast, mention the “math group” when you call. To get there from I-64, take exit 238 (old exit 56), Route 143 East/Williamsburg. Turn right onto Route 143, then another right onto Route 132. At the stop light, take a right onto Route 60. Go for about a mile, and it’s on the right.

The Hampton Inn
201 Bypass Road
Williamsburg, VA 23815
(757) 220-0880
FAX: (757) 229-7175

Directions to the University Center
at William and Mary

- Take Interstate 64 to exit 238 (old exit 56), Route 143 East/Williamsburg, College of William and Mary.
- Proceed .5 miles down Rt. 143 and make a right at the second stop light onto Rt. 132 South.
- Follow Rt. 132 (Henry St.) for 2 miles and at the second stop light, make a right onto Lafayette Street.
- Travel on Lafayette Street and at the second stop light, make a left onto Armstead Street.
- Travel Armstead Street for about \( \frac{1}{2} \) mile until it ends at Richmond Road. Make a right onto Richmond Road.
- The College is on your left. Proceed along Richmond Road until you come to the first stop light, and make a left at that light. The College's football stadium will be on your right.
- The University Center is located behind the football stadium.

Parking for Friday's dinner will be available in the parking lot behind the Campus Center. For Saturday, any space is available for parking except metered spaces, handicapped spaces, and spaces designated for a specific individual.

Please consult the map entitled “Conference Services” for further information. If you get lost, call (757) 221-4084.
Maryland/DC/Virginia Section of the MAA
Fall 1997 Meeting: November 21–22
Mount Saint Mary’s College

Early Call for Papers

Presenter: ____________________________________________

Institution/Organization: _____________________________

Address: ___________________________________________

Phone number: ___________________________ day __________ evening

E-mail: _____________________________________________

Title of paper: _____________________________________

Content area: ______________________________________

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 6, 1997

Send to Vice-Chair for Programs:

Dr. Carol G. Crawford
U. S. Naval Academy
Dept. of Mathematics
Annapolis MD 21402
cgc@nadn.navy.mil
FAX: 410-293-4883
1997 Summer Technology Short Courses for College Mathematics Faculty

The Ohio State University College Short Course Program organized by Bert Waits and Frank Demana is offering 49 short courses at colleges and universities throughout the United States. Each short course participant will learn "hands-on" how to use appropriate hand-held computer technology – either the TI-83, TI-85/86, and/or the TI-92 to enhance the teaching and learning of college and university mathematics. Mathematics reform materials consistent with the calculus reform movement, MAA recommendations, and the AMATYC Crossroads in Mathematics will be the focus of appropriate short courses. Applications, problem solving, pedagogy, and testing issues will be addressed in all short courses. The Calculator-Based Laboratory (CBL) system and/or CBR will be used to collect data to help develop mathematical concepts.

The College Short Course Program is endorsed by the American Mathematical Association of Two-Year Colleges. We are also expecting to offer graduate credit for participants in the courses through Portland State University in Oregon.

Courses offered:

**DEV** Mathematics in the foundation (developmental) using the TI-83 and CBL.  
(This includes pre-algebra, beginning algebra, intermediate algebra, and data analysis.)

**ALGT** College algebra, trigonometry, and data analysis using the TI-83 and CBL with an introduction to the TI-92

**PCALC-CALC** Precalculus and calculus topics using the TI-83 or TI-85/86 and CBL with an introduction to the TI-92

**CAS-CALC** Calculus enhanced with computer symbolic algebra using the TI-92 and CBL

The Ohio State College Short Course Program is a division of the Teachers Teaching with Technology Program. For more information, please contact Bert Waits and Frank Demana through Ed Laughbaum at (614) 292-7223, or edlaughba@math.ohio-state.edu, or The Ohio State University, Department of Mathematics, 231 West 18th Avenue, Columbus, OH 43210. The web page with Program information can be found at: http://www.math.ohio-state.edu/Entities/Organizations/TSCC/index.html

Below is a list of the courses offered in Maryland and Pennsylvania.

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<tr>
<th>Course:</th>
<th>ALGT</th>
<th>CAS-CALC</th>
<th>CAS-CALC</th>
</tr>
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<td>7/14-18</td>
<td>5/19-23</td>
<td>6/2-6</td>
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<tr>
<td>College:</td>
<td>Comm. College of Allegheny Cty.</td>
<td>LaSalle University</td>
<td>Indiana Univ. of Penn.</td>
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<tr>
<td>State:</td>
<td>PA</td>
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<td>PA</td>
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<td>Host:</td>
<td>Rob Farinelli</td>
<td>Charles Hofmann</td>
<td>Rebecca Stoudt</td>
</tr>
<tr>
<td>Telephone:</td>
<td>(412) 469-6229</td>
<td>(215) 951-1136</td>
<td>(412) 357-4763</td>
</tr>
<tr>
<td>Instructor:</td>
<td>Debbie Crocker</td>
<td>Charles Hofmann</td>
<td>Dennis Pence</td>
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<td>PA</td>
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<td>Host:</td>
<td>Patricia Dalton</td>
<td>James Fey</td>
<td>Paul Ache, III</td>
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<tr>
<td>Telephone:</td>
<td>(301) 279-5210</td>
<td>(301) 405-3151</td>
<td>(610) 683-4400</td>
</tr>
<tr>
<td>Instructor:</td>
<td>Doug Child</td>
<td>Doug Child</td>
<td>Mary Margaret Shoaf</td>
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<td>7/14-18</td>
<td>7/28-8/1</td>
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<td>College:</td>
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<td>Messiah College</td>
<td>Montgomery County CC</td>
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<td>State:</td>
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<td>PA</td>
<td>PA</td>
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<td>Host:</td>
<td>Gladys Whitehead</td>
<td>Marvin Brubaker</td>
<td>Roseanne Hofmann</td>
</tr>
<tr>
<td>Telephone:</td>
<td>(301) 322-0461</td>
<td>(717) 766-2511 ex 3790</td>
<td>(215) 641-6405</td>
</tr>
<tr>
<td>Instructor:</td>
<td>Charles &amp; Roseanne Hofmann</td>
<td>Carl Leinbach</td>
<td>Roseanne Hofmann</td>
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<tr>
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<td>7/21-25</td>
<td>10/9-11</td>
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<td>College:</td>
<td>University of Pittsburgh</td>
<td>LaSalle University</td>
<td>Harrisburg Area Comm. College</td>
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<tr>
<td>State:</td>
<td>PA</td>
<td>PA</td>
<td>PA</td>
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<tr>
<td>Host:</td>
<td>Susan Harkins</td>
<td>Charles Hofmann</td>
<td>Oiyin Pauline Chow</td>
</tr>
<tr>
<td>Telephone:</td>
<td>(412) 624-4852</td>
<td>(215) 951-1136</td>
<td>(717) 780-2504</td>
</tr>
<tr>
<td>Instructor:</td>
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<td>Charles Hofmann</td>
<td>Mary Ann Connors</td>
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SPRING MEETING REGISTRATION FORM

Please complete and mail to Jon Scott, Department of Mathematics, Montgomery College, Takoma Park, MD 20912 by April 4th.

Name(s): ____________________________________________

(indicate if guest) ______________________________________

Affiliation (for nametag) __________________________________

Address: ______________________________________________

Phone number: ________________________________ e-mail address.____________________________

Are you a member of the MAA? ______

Meeting registration: _____ regular ($10) _____ student ($5) ____________________________

_____ MAA Workshop registrations (TI-92) @ $10.00 _________________________________

Space is limited for this workshop, so please register early.

Contributions to the John G. Milletich Memorial Student Achievement Award ______________________

_____ Tickets for Friday night buffet @ $22.00 _________________________________

Dinner includes mixed greens with choice of dressing, vegetarian lasagna, breast of chicken almondine or marsala, tortellini salad with fresh vegetables, peas forestiere (a sauté with smoked bacon), garlic bread and fresh rolls, Boston cream pie, and chocolate cake with bourbon whipped cream.

_____ Tickets for Saturday’s lunch @ $4.50 ______________________________________

Box lunch consists of a fresh fruit, a cookie, soda, and choose one:

_____ turkey sandwich on white, _____ turkey sandwich on rye

_____ ham sandwich on white _____ ham sandwich on rye

_____ beef sandwich on white _____ beef sandwich on rye.

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

TOTAL ________________________________________________

Please make checks payable to MAA.
Computer Science Position

The Mathematics and Computer Science Department of Mount St. Mary’s College recently added a major in computer science, and as a result is hiring a new faculty member. It is a full-time tenure track Assistant Professor position, starting in August 1997.

The greatest needs are: computer graphics,
artificial intelligence,
networks, and
communications.

The duties are: teaching undergraduate computer science courses (4-3 load),
professional activity,
advising,
course development, and
service to the campus community.

Teaching excellence is required. The successful candidate will have a Ph. D. in Computer Science (preferred) or a Ph. D. in Mathematical Sciences. If interested, send curriculum vitae and three letters of recommendation to:

Computer Science Search
Math & Computer Science
Mount St. Mary’s College
Emmitsburg MD 21727.

Letters should address scholarship and teaching excellence.

Thirteenth Annual Allegheny Mountain Section Summer Short Course

Dates: June 16-20, 1997
Location: Allegheny College, Meadville, Pennsylvania
Principal Lecturer: Dr. Peter R. Massopust, Sandia National Laboratories, New Mexico

Abstract: This course focuses on the construction and properties of scaling vectors, the associated multiwavelets, and their application to image compression, signal processing, and differential equations. Several different constructions of scaling vectors and multiwavelets are presented, including the Daubechies family which is based on a single scaling function and a single wavelet, spline wavelets, and the DGHM element which consists of piecewise fractal functions.

Biographical Sketch: Dr. Peter R. Massopust received his Ph. D. in 1986 from Georgia Tech under the direction of Michael F. Barnsley. He has published more than thirty papers on fractal geometry, wavelets, partial differential equations and related topics, including a bestselling research monograph entitled “Fractal Functions, Fractal Surfaces, and Wavelets.” Dr. Massopust has been an invited speaker at several national and international conferences and workshops. His areas of specialization are fractal geometry, wavelet theory, harmonic analysis, and partial differential equations. He is currently a research mathematician at Sandia National Laboratories in Albuquerque, New Mexico.

The course will once again be held at Allegheny College. Course registration will be $150 and room and board will be $130 for a total of $280.

For further information and an application, contact:

George Bradley
Department of Mathematics and Computer Science
Duquesne University
Pittsburgh, PA 15282
Phone: (412) 396-5115
email: BRADLEY@DUQ3.CC.DUQ.EDU
Maryland/DC/Virginia Section of the MAA
Fall 1997 Meeting: November 21–22
Mount Saint Mary’s College

Early Call for Papers

Presenter: ________________________________________________

Institution/Organization: ______________________________________

Address: ___________________________________________________

Phone number: _________________________ day _________________________ evening

E-mail: _____________________________________________________

Title of paper: ______________________________________________

Content area: _______________________________________________

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 6 1997

Send to Vice-Chair for Programs: Dr. Carol G. Crawford
U. S. Naval Academy
Dept. of Mathematics
Annapolis MD 21402
cgc@nadn.navy.mil
FAX: 410-293-4883
1997 Summer Technology Short Courses for College Mathematics Faculty

The Ohio State University College Short Course Program organized by Bert Waits and Frank Demana is offering 49 short courses at colleges and universities throughout the United States. Each short course participant will learn "hands-on" how to use appropriate hand-held computer technology - either the TI-83, TI-85/86, and/or the TI-92 to enhance the teaching and learning of college mathematics. Mathematics reform materials consistent with the calculus reform movement, MAA recommendations, and the AMATYC Crossroads in Mathematics will be the focus of appropriate short courses. Applications, problem solving, pedagogy, and testing issues will be addressed in all short courses. The Calculator-Based Laboratory (CBL) system and/or CBR will be used to collect data to help develop mathematical concepts.

The College Short Course Program is endorsed by the American Mathematical Association of Two-Year Colleges. We are also expecting to offer graduate credit for participants in the courses through Portland State University in Oregon.

Courses offered:

DEV Mathematics in the foundation (developmental) using the TI-83 and CBL
(This includes pre-algebra, beginning algebra, intermediate algebra, and data analysis.)

ALGT College algebra, trigonometry, and data analysis using the TI-83 and CBL with an introduction to the TI-92

PCALC-CALC Precalculus and calculus topics using the TI-83 or TI-85/86 and CBL with an introduction to the TI-92

CAS-CALC Calculus enhanced with computer symbolic algebra using the TI-92 and CBL

The Ohio State College Short Course Program is a division of the Teachers Teaching with Technology Program. For more information, please contact Bert Waits and Frank Demana through Ed Laugham at (614) 292-7223, or elaughba@math.ohio-state.edu, or The Ohio State University, Department of Mathematics, 231 West 18th Avenue, Columbus, OH 43210. The web page with Program information can be found at:
http://www.math.ohio-state.edu/Entities/Organizations/TCSC/index.html

Below is a list of the courses offered in Maryland and Pennsylvania.

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<th>Course:</th>
<th>ALGT</th>
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<td>Host:</td>
<td>Rob Farinelli</td>
<td>Charles Hofmann</td>
<td>Rebecca Stoudt</td>
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<tr>
<td>Telephone:</td>
<td>(412) 469-6229</td>
<td>(215) 951-1136</td>
<td>(412) 357-4763</td>
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<tr>
<td>Instructor:</td>
<td>Debbie Crocker</td>
<td>Charles Hofmann</td>
<td>Dennis Pence</td>
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<td>Patricia Dalton</td>
<td>James Fey</td>
<td>Paul Ahe, III</td>
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<tr>
<td>Telephone:</td>
<td>(301) 279-5210</td>
<td>(301) 405-3151</td>
<td>(610) 683-4400</td>
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<tr>
<td>Instructor:</td>
<td>Doug Child</td>
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<td>Mary Margaret Shoaf</td>
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<td>Gladys Whitehead</td>
<td>Marvin Brubaker</td>
<td>Oyiin Pauline Chow</td>
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<tr>
<td>Telephone:</td>
<td>(301) 322-0461</td>
<td>(717) 766-2511 ex 3790</td>
<td>(717) 780-2504</td>
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<tr>
<td>Instructor:</td>
<td>Charles &amp; Roseanne Hofmann</td>
<td>Carl Lienbach</td>
<td>Mary Ann Connors</td>
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<td>Susan Harkins</td>
<td>Charles Hofmann</td>
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<tr>
<td>Telephone:</td>
<td>(412) 624-6852</td>
<td>(215) 951-1136</td>
<td>(717) 780-2504</td>
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<tr>
<td>Instructor:</td>
<td>Eddie Warren</td>
<td>Charles Hofmann</td>
<td>Mary Ann Connors</td>
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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.

Olusola Akinyele, Bowie State Univ.
Donald J. Albers, MAA
David Albig, Radford University
Chris Allgyer, Mtn. Empire Comm. College
Thomas Armstrong, Univ. of MD-Balt.
John August, Mt. St. Mary's College
V. S. Bakshi, Virginia State Univ.
Jon Bell, Piedmont VA Comm. College
Paul Bender, Bridgewater College
John Biggs, Frostburg State Univ.
Brenda Bloomgarden, Chesapeake College
Eddie Boyd, Jr., Univ. of MD-Eastern Shore
Albert Briggs, Washington College
Joseph Brown, Ferrum College
Maureen Callanan, MAA
R. L. Carson, Hagerstown Jr. College
Gerald Chachere, Howard University
Eric Chandler, Randolph-Macon Women's Coll.
Sr. Helen Christensen, Loyola College-MD
Caren Diefenderfer, Hollins College
Hugh Easter, Coll. of William & Mary
Donald Ethington, Averett College
Michael Evans, Washington and Lee Univ.
Michael Fainia, Harford Comm. College
Thomas Fanney, Virginia Wesleyan Coll.
Clark Fleming, VA Highlands Comm. Coll.
Thomas Garrett, Tidewater Comm. College
Nilotpal Ghosh, Catawba College Comm. College
Gordon Gregg, Montgomery College
Bob Hanson, James Madison Univ.
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Zoe Irvin, Howard Comm. College
Vanessa Job, Marymount Univ.
Nancy Jones, Dundalk Comm. College
Vcay Joshi, VA Intermont College
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Dan Kalman, MAA
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Jim Martino, Johns Hopkins Univ.
Betty Mayfield, Hood College
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John Nolan, American University
Robert Olin, VA Polytech Inst. & State Univ.
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Howard Penn, U.S. Naval Academy
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George Piegarl, VA Military Inst.
Edwina Richmond, Virginia Union Univ.
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Carla Schultes, Salisbury State University
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Marcia Sward, MAA
Eve Torrence, Randolph-Macon College
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mackiw@mailgate.loyola.edu

February 1997