

### SESSION BEGINNING AT 2:00P.M.:

Room

- 107 "Probability and Statistics Tutorials"  
Michael W. Chamberlain, United States  
Naval Academy
- 4B "A Successful Intervention Program for  
High Ability Minority Students"  
Linda B. Hayden, American University
- 108 A Trilogy of National Superquest Award-  
Winning Student Research Papers from  
Thomas Jefferson High School for Science  
and Technology, Fairfax, Virginia  
(One-hour presentation)  
"The Effectiveness of Various Priority  
Queueing Algorithms as Applied to a  
Multi-tasking System" - David Rosen  
"A Chaotic Analysis Technique for the  
Planar Restricted Three-Body Problem"  
- Eric D. Scheirer  
"Paths of Convergence to the Roots of  
Unity by the Newton-Raphson Method:  
An Investigation" - Manish Tuteja

### SESSION BEGINNING AT 2:30P.M.:

Room

- 107 "The Relationship Among Levels of Mathematics  
Anxiety in Elementary Classroom Teachers,  
Selected Teacher Variables, and Student  
Achievement in Grades Two Through Six"  
Martha A. Brown, Supervisor of Mathematics  
Prince George's (MD) County Public Schools
- 3 "The Power Function of a New Test  
for the Interval Hypothesis"  
Ahmad Mokatrin, Student, American University
- 4B "Perturbation of Eigenvalues of Stability  
Matrices"  
Betty Mayfield, Hood College

### SESSION BEGINNING AT 3:00P.M.:

Room

- 107 "The Formation and Activities of Student  
MAA Chapters - a Discussion"  
Elizabeth Teles, Montgomery College

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

AMERICAN UNIVERSITY  
NOVEMBER 11 AND 12, 1988

FRIDAY, NOVEMBER 11:

MINICOURSE, 3:30 - 6:30:

SCHOOL OF INTERNATIONAL SERVICE, RM. 203  
PROFESSOR V. FREDERICK RICKEY  
"INCORPORATING THE HISTORY OF CALCULUS  
INTO THE CALCULUS CLASSROOM"

BANQUET, 7:30 P.M., PRECEDED BY RECEPTION  
UNIVERSITY FACULTY CLUB  
INVITED SPEAKER: PROFESSOR PAUL HALMOS  
"IS YOUR MATHEMATICS THE SAME AS  
YOUR GRANDFATHER'S?"

**SATURDAY, NOVEMBER 12:**

**8:00-11:00 REGISTRATION, WARD CIRCLE BLDG.**

**8:40 WELCOMING REMARKS  
DEAN BETTY BENNETT, DEAN  
COLLEGE OF ARTS AND SCIENCES**

**ALL SESSIONS FOR CONTRIBUTED PAPERS WILL BE  
HELD IN WARD CIRCLE BUILDING FIRST FLOOR  
AND BASEMENT LEVEL OF THE WEST WING**

**SESSION BEGINNING AT 9:00A.M.:**

- |      |  |
|------|--|
| Room |  |
| 107  | "Bilinear Basics on the Complex Plane"<br>T. Hoy Booker, Gallaudet University  |
| 108  | "The Green's Function Method for the<br>Supported Plate Boundary Value Problem"<br>Steven H. Schot, American University  |
| 4B   | "Inequalities Revisited: An Innovative<br>Look That Stresses Geometric Understanding<br>As Well As Algebraic Competence"<br>Mary T. Treanor, Valparaiso University |
| Room |  |
| 107  | "A Strange Proof of the Gauss-Legendre<br>Duplication Formula for the Gamma Function"<br>Jack Clark, Western Maryland College                                      |
| 108  | "Communication in Mathematics: Teaching<br>Mathematics Majors to Write Proofs"<br>C.C. Hanna, United States Naval Academy  |
| 3    | "How Does Your Calculator Work?"<br>Peter Turner, United States Naval Academy  |
| 4B   | "A Finite Difference Model for the Effect<br>of Granularity on Retinal Laser Burns"<br>Richard B. Tucker, Mary Baldwin College                                     |

**SESSION BEGINNING AT 10:00A.M.:**

- |      |  |
|------|--|
| Room |  |
| 107  | "An Application of Computer Graphics to<br>Commuting Polynomials"<br>Lawrence Crone, American University     |
| 108  | "An Elusive Recursion -- Captured By<br>Using a Pascal-like Pseudo-code"<br>William D. Reddy, Loyola College |
| 3    | "Matrices of the Form AB - BA"<br>William D. Wardlaw, United States Naval<br>Academy                         |
| 4B   | "Rolle's Theorem on a Class of Triangles"<br>William M. Sanders, James Madison University                    |

**SESSION BEGINNING AT 10:30A.M.:**

- |      |   |
|------|---|
| Room |   |
| 107  | "MDEP: Software for Teaching Differential<br>Equations"<br>James Buchanan, United States Naval Academy  |
| 108  | "Fractal Images: Theory, Procedure and<br>Applications"<br>Stephen D. Casey, American University  |
| 3    | "Dynamic Systems and Neural Networks"<br>Paul B. Massell, Johns Hopkins University  |
| 4B   | "A Statistical Analysis of a Mathematics<br>Placement Test and Its Impact on Optimal<br>Setting of Cutoff Scores"<br>Richard Auer & Paul Maiste, Loyola College |

**11:00 - MAA BUSINESS MEETING, ROOM 107**

**12:00 - LUNCHEON, MARY GRAYDON CENTER  
UNIVERSITY CLUB**

**SPEAKER: ARTHUR BENJAMIN  
PH.D. CANDIDATE, JOHNS HOPKINS UNIVERSITY  
"THE ART OF MENTAL CALCULATION"**