

DECIDE TO ATTEND NOW!

LAST NOTICE!

DECIDE TO ATTEND NOW!

THE MATHEMATICAL ASSOCIATION OF AMERICA

FOURTEENTH ANNUAL MEETING OF THE FLORIDA SECTION

MARCH 13TH AND 14TH, 1981

SCIENCE BUILDING
BETHUNE-COOKMAN COLLEGE
DAYTONA BEACH, FL 32015

Cajole several of your colleagues to accompany you for a good meeting. Renew acquaintances with your fellow teachers from around the State and return home with some new ideas to try in the classroom.

1. PLEASE MARK THE DATES MARCH 13TH AND 14TH ON YOUR CALENDAR AND PLAN TO ATTEND. In conjunction with this meeting, the State Mathematics Articulation Committee is sponsoring a statewide Articulation Conference. Enclosed is a map of the area, a list of motels and some rates. Reservations should be made directly with the motels as soon as possible. If you reserve with Howard Johnson, identify yourself as someone attending the MAA meeting, because rooms are being held. Please reserve now because the motels will not hold these rooms too long.
2. Three outstanding professors will address the Section. They are Professors Lamberto Cesari of University of Michigan, Richard D. Anderson of Louisiana State University and Alfred B. Willcox, Executive Director of the MAA. The meeting officially opens with the address of Dr. Willcox at 1:15 P.M., Friday; however, there will be a preliminary session from 12:15 P.M. to 1:00 P.M. for reports of the Minisectional Meetings held this past year and a planning session for future meetings. We would especially hope that all members of the organizing committees of these Minisectional meetings would attend this session.

There will be presentations of papers each day, sessions of the Articulation Conference and invited addresses. The Florida Chapters of Pi Mu Epsilon, the mathematics honorary fraternity, will present a program of student speakers Saturday morning.

There is a "Get Acquainted Hour" scheduled for 5:30 P.M., Friday and films Friday evening.

3. Ten-minute contributed papers by members and non-members of the Association are solicited. These papers may be of a research or pedagogical nature. Papers in each of these categories are strongly encouraged. Also, papers by students, both graduate and undergraduate are encouraged. Those

wishing to present a paper should send the title to the Secretary of the Section, Frank L. Cleaver, Department of Mathematics, University of South Florida, Tampa, FL 33620. This should be done before the deadline of February 18, 1981.

4. The annual business meeting will be held on Saturday on campus at 1:00 P.M. Please plan to attend this luncheon meeting. It is usually over in less than an hour and is a pleasant way to conclude the meeting. Purchase your luncheon ticket at the registration desk as soon as you arrive.
5. The newsletter is mailed to all members of the Section and to others on request. Each member is asked to disseminate information about the Florida Section of the MAA to their colleagues that are non-members. The Florida Section seeks to serve the interest of the entire mathematical community within Florida and the Caribbean area. We especially invite all members of the mathematics faculties of the community colleges and high schools to become members of the Mathematical Association of America. Applications for membership can be obtained by writing to the Secretary, Frank L. Cleaver, Department of Mathematics, University of South Florida, Tampa, FL 33620, or by contacting your campus representative of the MAA
6. The registration fee is \$2.00 (\$1.00 for students) and the registration desk will open at 10:00 A.M. Friday, March 7th.
7. The Daytona Beach area has many fine attractions and some fine restaurants. There is considerable night-time activity and almost any type of entertainment can be found.

GOVERNOR'S MESSAGE

Dear Colleagues,

Below are listed several items on which we need your input, as well as a report of the last Board of Governor's meeting.

I INPUT

1. Please let me know if you are interested in serving on any of the various MAA Committees. Send me a note with a brief vita, stating your (experience and) interests. Or nominate a particularly capable colleague, including supporting statements. (I expect to be asked for recommendations in early fall, but my recommendations may or may not be accepted.)

2. MAA Representatives serve for 3 year terms. Next term begins in September 1981, and I need to make appointments by June. There should be a departmental representative from each 2 year and 4 year college, as well as each university. Each department should nominate someone interested in the job. You may re-nominate the present representative. If you are interested in serving, make your interest known to your department, and see that I am informed.

An MAA representative is basically a resource person with information about MAA, and should try to get new members. You will be provided with further information.

3. How can we increase membership and attendance at state meetings in general? Among 2 year colleges in particular (where membership is low)? How can we make membership more interesting for you?

4. TYCJM wants more pages for excellent articles, but would require substantial dues increase for subscribers (perhaps \$10.) to cover extra costs. How do you feel about this? I need feedback.

II REPORT

The last Board of Governors' meeting was held on Thursday, January 8, 1981 in San Francisco, Calif. The following items may be of interest.

1. Newsletter. The MAA newsletter, to be titled MAA FOCUS, will begin circulation with the March 1981 issue. There will be four issues this year, five or six next year, and ten issues subsequently.

2. The Summer MAA meetings will be held in Pittsburgh, Pa, August 17-21, 1981.

3. MAA(national) Second Vice President. Professor William Chinn of San Francisco City College was elected.

4. FINANCES. (i) The new building in Washington, DC, was an excellent investment - value has increased substantially. In addition, net operating costs to MAA were \$22,400 last year, while rent at the old site would have been \$51,000 for about half the square footage of space.

(ii) The national MAA budget was somewhat over \$1,000,000 last year, with about a \$22,000 deficit.

(iii) Dues will increase next year. (Dues for a regular member subscribing to Monthly, will increase from \$30 to \$40, as an example.)

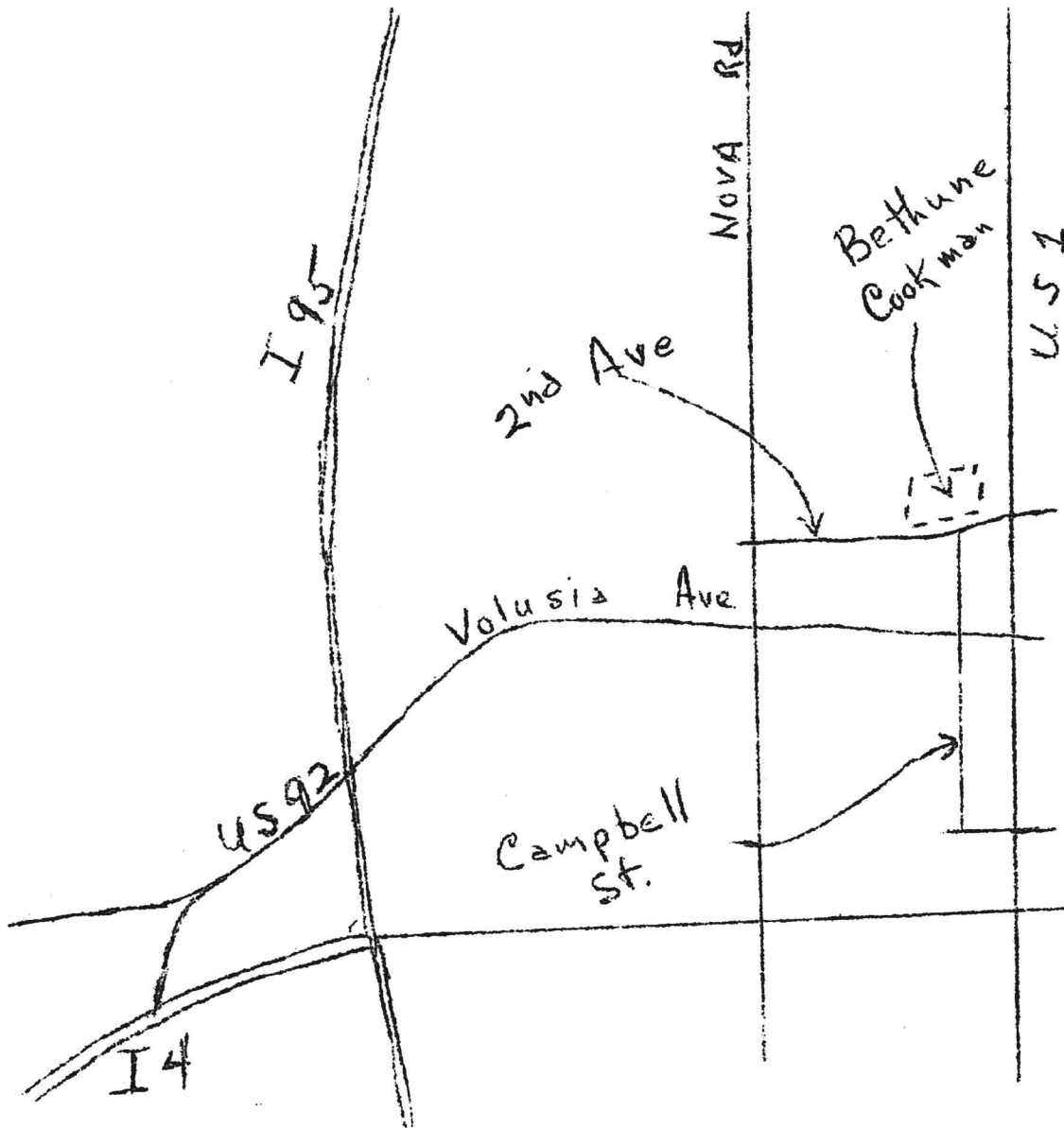
5. NCTM-MAA Cooperation. NCTM invited MAA's input to an early draft of "Guidelines for the Preparation of Teachers of Mathematics." An MAA committee made substantial suggestions, all of which were incorporated into the final document. The Board adopted a resolution wholeheartedly supporting these "Guidelines," in an effort to strengthen preparation of public school teachers, and in particular, in connection with NCATE (National Committee for Accreditation of Teacher Education). This, together with a letter to NCTM (and possibly to NCATE) is expected to have substantial influence.

Sincerely,

Beverly Brechner

MOTELS

No. on map	Motel	Rates
1.	Howard Johnson's Intersection I-95 & U.S. 92 Daytona Beach, FL 32014 (904) 255-7412	\$25.00 for a single (1 King Size Bed) \$30.00 for a double (2 Double Beds)
2.	Days Inn I-95 & U.S. 92 Phone: 255-0541	
3.	Holiday Inn-Speedway 1798 Volusia Avenue Phone: 255-2422	
4.	Inn at Indigo U.S. 92 & I-95 Phone: 258-6333	
5.	Econo-Travel 2260 Volusia Avenue Phone: 255-3661	





Manatee Community College

Serving Manatee and Sarasota Counties

Address all mail to:
Post Office Box 1849
Bradenton, Florida 33506



DATE: September 12, 1986

TO: Members and All Interested Parties
Suncoast Region of the Mathematical
Association of America

FROM: Faculty and Staff
Department of Mathematics
Manatee Community College
South Campus

SUBJECT: Eleventh Annual Suncoast Regional Meeting
Florida Section of MAA

The Eleventh Annual Suncoast Regional Meeting of the Florida Section of the MAA will be held at the South Campus of Manatee Community College on Friday, December 5, 1986. Mathematics teachers and students at all levels are invited to attend.

A Call for Papers is hereby being made to anyone interested in presenting an approximately 30 minute paper on a topic of interest. Any person wishing to contribute a paper should send his name, institutional affiliation, mailing address, a brief abstract, and a list of equipment needed to:

Dr. Clifford J. Simpson
Manatee Community College
South Campus
Department of Mathematics
P.O. Box 8996
Venice, FL 33595

The deadline for receipt of this application is October 15, 1986. Once the program has been firmly established, a copy will be sent to everyone on the mailing list.

PROGRAM



Florida Section - Mathematical Association of America

EIGHTH ANNUAL MEETING

MARCH 7, 8, 1975

MANATEE JUNIOR COLLEGE

EDUCATIONAL COMPLEX 4000 BUILDING

GENERAL SESSION I

Friday, March 7, 1975

9:00 a.m. REGISTRATION DESK OPENS - Room 4027.

Saturday Luncheon Tickets on Sale - Coffee and Doughnuts -
Book Displays - MAA Portable Library.

12:30 - 1:15 p.m. ARTICULATION CONFERENCE - "Confrontation" Room 4037.

"Innovations - Open Discussions - New Approaches - Questions".

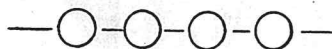
Panel: The Members of the State Mathematics Articulation Committee.

Bill Rice, St. Petersburg Junior College, Chairman.

1:30 - 2:30 p.m. OPENING SESSION OF MAA - Room 4034.

Welcome by the Chairman of the Florida Section, Ralph McWilliams of
Florida State University and Dr. Samuel R. Neal, Jr., President of
Manatee Junior College.

INVITED ADDRESS - Professor Frank Harary of the University of Michigan
will speak on "The Line Reconstruction Conjecture for Graphs".
Introduced by A. W. Goodman, University of South Florida.



(Sessions A, B, C, and D are scheduled simultaneously, beginning at 2:40 p.m.)

SESSION A. Room 4032. CONTRIBUTED PAPERS. Chairman Dwight Goodner of
Florida State University.

2:40 - 2:50 p.m. Jane W. DiPaola - Florida Atlantic University. "Creating Algebraic
Systems from Combinatorial Designs".

2:55 - 3:05 p.m. Roy B. Levow - Florida Atlantic University. "Duplication Rates and
Sampling for Matching Pairs".

3:10 - 3:20 p.m. John Grant - University of Florida. "Structured Programming".

3:25 - 3:35 p.m. John J. Leeson - University of North Florida. " (m,n) Rings".

3:40 - 3:50 p.m. Kermit Sigmon - University of Florida. "Not All Topologically
Simple Semigroups Are Simple".



SESSION B. ROOM 4030. CONTRIBUTED PAPERS. Chairman Shawky E. Shamma of
the University of West Florida.

2:40 - 2:50 p.m. Bertha Mather - Pennsylvania State University, Retired. "Math
Majors at Penn State: Their Academic Performance".

2:55 - 3:05 p.m. Alan Wayne - Pasco-Hernando Community College. "Teaching the
Polynomials".

3:10 - 3:20 p.m. Dave Snider - University of South Florida. "Motivating Existence -
Uniqueness Theorems for Applications - Oriented Students".



SESSION C. Room 4026. INVITED ADDRESSES.

2:40 - 3:20 p.m. Professor Robert C. Fisher, Florida International University, will speak on "What Your College Administration Needs to Know About A Mathematics Program". Introduced by A. Shershin.

3:25 - 4:05 p.m. Professor Herman Meyer, University of Miami, will speak on "Volumes of Parallelotopes". Introduced by P. McDougale.

4:10 - 4:50 p.m. Professor Don Hill, Florida A & M University, will speak on "Mathematics in Africa". (He will display artifacts, such as ivory carvings, masks, spears, knives, currency, and a unique "talking drum", which employ mathematical principles.) Introduced by O. Anderson.



SESSION D. Room 4037. ARTICULATION CONFERENCE.

2:40 - 3:10 p.m. Bob Alwin - St. Petersburg Junior College. "Personalized Self Instruction U Open Enrollment = Success". Introduced by George Cash.

3:15 - 3:45 p.m. Ignacio Bello - Hillsborough Community College. "General Education Mathematics: Give Them the Business". Introduced by Tom Ribley.

3:50 - 4:20 p.m. Joe Dorsett - St. Petersburg Junior College. "The Role of Applications in Two Year College Mathematics Courses". Introduced by Maurice Nott.

4:30 - 5:10 p.m. Business Meeting of Florida Junior College Council of Teachers of Mathematics. President Tom Ribley, presiding.



5:30 - 7:00 p.m. "GET ACQUAINTED HOUR", in the Alcazar Ballroom of the Holiday Inn.

8:30 p.m. MAA FILM SHOWING, Room 4034. "Predicting at Random". (43 minutes).

GENERAL SESSION II

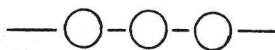
Saturday, March 8, 1975

8:30 a.m. REGISTRATION DESK OPENS - Room 4027.

Luncheon Tickets on Sale - Coffee and Doughnuts - Book Displays - MAA Portable Library.

9:00 - 10:00 a.m. INVITED ADDRESS - Room 4034.

Professor Leonard Gillman, University of Texas, Treasurer of MAA, will speak on "How to Choose A Wife". Introduced by Herman Meyer, University of Miami.



(Sessions A, B, C, and D are scheduled simultaneously, beginning at 10:15 a.m.)

SESSION A. Room 4032. CONTRIBUTED PAPERS. Chairman Manoug Manougian of the University of South Florida.

10:15 - 10:25 a.m. *Anthony Shershin* - Florida International University.
"Mathematical Sciences and Urban Emergency Services".

10:30 - 10:40 a.m. *Edward Saff* - University of South Florida. "Padé Approximants
to the Exponential".

10:45 - 10:55 a.m. *Soo Bong Chae* - New College. "A Characterization of Isometries
on C_0 ".

11:00 - 11:10 a.m. *William Zigler* - University of South Florida. "On a New Method
for Studying the Stability of Volterra Integral Equations".

11:15 - 11:25 a.m. *Albert Rust* - University of South Florida. "A Modified Method
of Successive Integrations".



SESSION B. Room 4030. CONTRIBUTED PAPERS. Chairman *Bill Caldwell* of
the University of North Florida.

10:15 - 10:40 a.m. *Annette Sinclair* - Purdue University. "Holomorphic Vector
Fields and Exact Differentials".

10:45 - 10:55 a.m. *David L. Sherry* - University of West Florida. "Development
of the Elementary Complex Functions".



SESSION C. Room 4026. Sponsored by PI MU EPSILON, Mathematics Honorary
Fraternity.

10:15 - 10:40 a.m. *Bruce S. Trace, Jr.* - Florida Beta Chapter, Florida State
University. "Double-Suspension Problem".

10:45 - 11:10 a.m. *Webster Snapp* - Florida Eta Chapter, University of North
Florida. "Transformations".

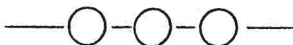
11:15 - 11:40 a.m. *Edward D. Baker, III*, - Florida Epsilon Chapter, University of
South Florida. "Hypergeometric Functions". (Mr. Baker was honored as
the outstanding senior of the Mathematics Department of the University
of South Florida.)



SESSION D. Room 4037. ARTICULATION CONFERENCE.

10:15 - 11:10 a.m. *Kenneth Pothoven* - University of South Florida. "Decimal
Expansion of Rational Numbers". Introduced by *Jack Britton*.

11:15 - 11:40 a.m. *Bill Caldwell* - University of North Florida. "Computer
Instruction to Nonmathematicians at UNF". Introduced by *Louis Wirak*.



11:45 - 12:45 p.m. INVITED ADDRESS. Room 4034. - *Professor Jacob Schwartz*
of Courant Institute of Mathematical Sciences will speak on "A Fast
Switch". Introduced by *C. McArthur* of Florida State University.

1:00 p.m. LUNCHEON AND ANNUAL BUSINESS MEETING - Campus Cafeteria.

PROGRAM HIGHLIGHTS

Registration desk opens 9:00 a.m. Friday - Coffee and Doughnuts.

1. Three invited addresses by outstanding out of state mathematicians.

1:30 - 2:30 p.m. Friday, March 7

Professor Frank Harary of the University of Michigan will speak on "The Line Reconstruction Conjecture For Graphs".

9:00 - 10:00 a.m. Saturday, March 8

Professor Leonard Gillman of the University of Texas will speak on "How To Choose A Wife". This is a mathematical talk with no mathematical prerequisites. In fact, this attribute is one of the points of the talk. The reasoning is mathematical, but no use is made of any formulas, integral signs, etc. The reasoning has nothing to do with computers or with statistics; actually, I'm not sure combinatorial is right either. Anyhow, all men without wives should surely attend, those with should come to find out what went wrong, and all women, married or single, should attend for corresponding reasons.

11:45 - 12:45 p.m. Saturday, March 8

Professor Jack Schwartz of the Courant Institute of Mathematical Sciences of New York University will speak on "A Fast Switch". Practical problems of telephone switching theory can lead to mathematical questions which are deep and surprisingly abstract. This talk will consider one such problem, that of designing a "completely non-blocking switch", whose true formulation and solution involve the theory of permutation groups.

2. There will be contributed 10 minute research papers presented both days.
3. The Articulation Conference begins on Friday at 12:15 p.m. with a "Confrontation". Bring your questions to this open discussion concerning articulation problems.
4. Three mathematicians from the State of Florida have been invited to address the meeting on Friday. They are Professors Robert C. Fisher of Florida International University, Don Hill of Florida A and M University, and Herman Meyer of the University of Miami.
5. The Florida Chapters of Pi Mu Epsilon, the mathematics honorary fraternity, will present a program of student speakers Saturday 10:15 - 11:40 a.m.
6. There is a "Get Acquainted Hour" scheduled at 5:30 p.m. Friday.
7. There will be two MAA produced films shown at 8:30 p.m. Friday evening.

8. Things To Do In The Bradenton-Sarasota Area

There are numerous points of interest in the Bradenton-Sarasota area that may be attractive to the M.A.A. members. Included are the Ringling Museum in Sarasota and the South Florida Museum in Bradenton. There also are some interesting commercial attractions such as Bellum's Cars and Music of Yesterday, the Circus Hall of Fame, and Sarasota Jungle Gardens.

There are several good night clubs in the area. Some of the most popular are the Hawaiian Village, located at the Red Carpet Inn; Yesterday's, located at the Ramada Inn; The Seascope, located at the Holiday Inn on Lido Beach, and The Shipwreck, located at the Holiday Inn on Longboat Key.

For those who enjoy the sun, there are two public beaches located on Anna Maria Island (Bradenton) and a public beach on Lido Beach (Sarasota). Those interested in major league baseball may attend a game between the Pittsburgh Pirates and the Cincinnati Reds at 1:30 p.m., March 8, in Bradenton. The Chicago White Sox will be playing a major league team from Japan at 1:30 p.m. on March 7 in Sarasota. At 1:30 p.m. on March 9, the White Sox host the Boston Red Sox in Sarasota.

If reservations are made early, the members could see one of the following local stage productions:

Aslo, State Theatre Schedule:

March 7 - Tobacco Road

March 8 - Mistress of the House

March 9 - There is One in Every Marriage

For reservations, write to : Aslo State Theatre
5401 Bayshore Road
Sarasota, FL 33580
Phone: 813-355-2771

Golden Apple Dinner Theatre Schedule:

March 7, 8, and 9 - Cat On A Hot Tin Roof

For reservations, write to: Golden Apple Dinner Theatre
25 North Pineapple Avenue
Sarasota, FL 33580
Phone: 813-366-5454

THE MATHEMATICAL ASSOCIATION OF AMERICA

(Florida Section)

EIGHTH ANNUAL MEETING

March 7 and 8, 1975

Manatee Junior College
Bradenton, Florida 33506

1. PLEASE MARK THE DATES MARCH 7 and 8 ON YOUR CALENDAR AND PLAN TO ATTEND THE ONLY FLORIDA SECTION MEETING OF THE YEAR. In conjunction with this meeting the State Mathematics Articulation Committee is sponsoring a statewide ARTICULATION CONFERENCE. Enclosed is a map of the area, a list of motels and their rates, and some things to do in the Bradenton-Sarasota area. As you will note there are many attractions in the area so bring the family and have a mini-vacation at the same time. Reservations should be made directly with the motels as soon as possible. Identify yourself as someone attending the meeting of the MAA because special rates have been obtained. Professor Roy Raines has prepared a packet of the local attractions to be given out at the registration desk in ED complex 4000 Building. Someone will be on duty Thursday evening March 6th with information for early arrivals.
2. Enclosed are some of the program highlights of the meeting. You will find many things to stimulate your interest.
3. Ten-minute contributed papers by members (and non-members introduced by a member) of the association are solicited. These papers may be of a research or pedagogical nature. Papers in each of these categories are strongly encouraged. Also, papers by students, both graduate and undergraduate, are encouraged. Those wishing to present a paper should send the title to the secretary of the Section, Frank L. Cleaver, Department of Mathematics, University of South Florida, Tampa, Florida 33620, before the deadline, February 21, 1975.
4. The annual business meeting will be held on Saturday on campus at 1:00 p.m., please plan to attend this luncheon meeting. It is usually over in less than an hour and is a pleasant way to conclude the meeting. Purchase your luncheon ticket at the registration desk as soon as you arrive.
5. The Newsletter is mailed to all members of the Section and to others on request. Each member is asked to disseminate information about the MAA Florida Section to their colleagues that are non-members. The Florida Section seeks to serve the interest of the entire mathematical community within Florida and the Caribbean area. We especially invite all members of the mathematics faculties of the community colleges to become members of the Mathematical Association of America. Applications for membership can be obtained by writing to the secretary, Frank L. Cleaver, Department of Mathematics, University of South Florida, Tampa, Florida 33620.
6. The registration fee is \$1.00 and the registration desk will open at 9:00 a.m. Friday, March 7. Pre-registration is encouraged by use of the enclosed form.

7. Motel Information. See enclosed map for motel locations.

	<u>Single</u>	<u>Double</u>
1. Holiday Inn 8221 North Tamiami Trail Sarasota, FL 33580 Phone: 813-355-2781	\$16.00 4.00 each additional person	\$23.00
2. Red Carpet Inn 8150 North Tamiami Trail Sarasota, FL 33580 Phone: 813-355-7747	\$14.00 4.00 each additional person	\$18.00
3. Ramada Inn 6545 North Tamiami Trail Sarasota, FL 33580 Phone: 813-355-7771	\$16.00	\$18.00
4. Howard Johnson's 6325 North Tamiami Trail Sarasota, FL 33580 Phone: 813-355-5176	\$16.00	\$22.00
5. 8 Days Inn 2303 First Street Bradenton, Florida 33505 Phone: 813-747-6465	\$9.88 3.00 each additional person	\$12.88

DECIDE TO ATTEND NOW!

LAST NOTICE!

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THE MATHEMATICAL ASSOCIATION OF AMERICA

FIFTEENTH ANNUAL MEETING OF THE FLORIDA SECTION

MARCH 5TH AND 6TH, 1982

MODULE 3 WEST CAMPUS
VALENCIA COMMUNITY COLLEGE
ORLANDO, FL 32811

Cajole several of your colleagues to accompany you for a good meeting. Renew acquaintances with your fellow teachers from around the State and return home with some new ideas to try in the classroom.

1. PLEASE MARK THE DATES MARCH 5TH AND 6TH ON YOUR CALENDAR AND PLAN TO ATTEND. In conjunction with this meeting, the State Mathematics Articulation Committee is sponsoring a statewide Articulation Conference. Enclosed is a map of the area, a list of motels and some rates. The Court of Flags Hotel is giving us excellent rates of \$30.00 single and \$35.00 double (the usual price is \$47.50), but to obtain this rate you must reserve before Feb. 13, 1982 and you must send a first night's deposit, and identify yourself as attending the MAA meeting. Please make your reservations early.
2. Three outstanding professors will address the Section. They are Professors Vera Pless of University of Illinois, Morton Brown of University of Michigan, and Paul R. Halmos of University of Indiana. The meeting officially opens with the address of Professor Pless at 1:15 P.M., Friday; however, there will be a preliminary session from 12:15 P.M. to 1:00 P.M. for reports of the Regional Meetings held this past year and a planning session for future meetings. We would especially hope that all members of the organizing committees of these Regional meetings would attend this session.

There will be presentations of papers each day, sessions of the Articulation Conference and invited addresses. The Florida Chapters of Pi Mu Epsilon, the mathematics honorary fraternity, will present a program of student speakers Saturday morning. The American Women in Mathematics will have a session on Friday afternoon.

There is a "Get Acquainted Hour" scheduled for 5:30 P.M., Friday and films Friday morning and afternoon.

3. Ten-minute contributed papers by members and non-members of the Association are solicited. These papers may be of a

research or pedagogical nature. Papers in each of these categories are strongly encouraged. Also, papers by students, both graduate and undergraduate are encouraged. Those wishing to present a paper should send the title to the Secretary of the Section, Frank L. Cleaver, Department of Mathematics, University of South Florida, Tampa, FL 33620. This should be done before the deadline of February 12, 1982.

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6. The registration fee is \$2.00 (\$1.00 for students) and the registration desk will open at 10:00 A.M. Friday, March 5th.
7. The Orlando area has many fine attractions and some fine restaurants. There is considerable night-time activity and almost any type of entertainment can be found. Bring the family along and they can visit Disney World while the meetings are in session.
8. MAA Placement Tests

MAA Placement Tests can help solve your college's mathematics placement problems. Enclosed is a list of subscribers in the Section to the MAA's Placement Test Program (PTP). You may want to talk to a colleague who is using the tests before making a decision to subscribe to the program. For more information write to the MAA, 1529 18th St., N.W., Washington, D.C. 20036.

Barry College
Miami, FL

College of the Virgin Islands
St. Thomas, VI

Eckerd College
St. Petersburg, FL

Embry-Riddle Aeronautical University
Daytona Beach, FL

Florida International University
Miami, FL

Florida State University
Tallahassee, FL

Okaloosa-Walton Junior College
Niceville, FL

Rollins College
Winter Park, FL

Tallahassee Community College
Tallahassee, FL

University of Central Florida
Orlando, FL

University of Florida
Gainesville, FL

University of West Florida
Pensacola, FL

Valencia Community College
Orlando, FL

MOTELS

1. Court of Flags - Florida Center
5715 Major Blvd.
Orlando, FL 32805 305-351-3340
Single \$30.00
Double \$35.00
2. Sheraton Twin Towers - Florida Center
5780 Major Blvd. 305-351-2311
Single \$60.00
Double \$70.00
3. Jamaica Inn
3300 West Colonial Dr. 305-293-7221
Single \$32.00, \$36.00
Double \$39.00

The Mathematical Association of America
Florida Section

In Recognition of Distinguished Service
as Secretary Treasurer of the
Section, 1970-1982,

Expresses to

Frank L. Cleaver

its Sincere Gratitude and Best Wishes

Dated this 6th day of March, 1982.

Past Section Chairmen:

Robert L. Meacham
1967-68

Alexander R. Bednarek
1968-69

Herman Meyer
1969-70

Gene W. Madlin
1970-71

Charles W. M. Arthur
1971-72

Paul McDougle
1972-73

James H. Brooks
1973-74

Ralph McWilliams
1974-75

Bell Rice
1975-76

A. W. Goodman
1976-77

Bernard L. Breckner
1977-78

George H. Lofgren
1978-79

Frederick Hoffman
1979-80

Edwin Duda
1980-81

Robert Hilmer
1981-82

Past Section Governors:

Dwight B. Goodner
1967-71

Herman Meyer
1971-74

Robert L. Meacham
1974-77

Charles W. M. Arthur
1977-80

Bernard L. Breckner
1980-83

Past Secretary-Treasurer: Howard E. Taylor
1967-70

NEWS RELEASE

THE MATHEMATICAL ASSOCIATION OF AMERICA

1529 EIGHTEENTH STREET, N.W., WASHINGTON, D.C. 20036
202/387-5200

ALFRED B. WILLCOX
EXECUTIVE DIRECTOR

Contact: Alicia Bennett
Phone: (202) 387-5200

CERTIFICATE OF MERITORIOUS SERVICE AWARDED TO FRANK L. CLEAVER

(Washington, D.C. 8-3-87).....Frank L. Cleaver has been chosen as the first recipient of a Certificate of Meritorious Service by the Florida Section of the Mathematical Association of America (MAA) in recognition of his dedicated service and outstanding leadership to the Florida Section, the national association and the larger academic and mathematical community.

Dr. Cleaver, one of the organizers of the Florida Section in 1965, became its secretary-treasurer in 1970 and served until 1983 when health problems restricted his activities. "Frank Cleaver was the one person who held the Florida Section together, took it as his goal to keep the 25 community colleges, 9 state universities, and the private colleges together in the raccous growth years [of the state of Florida]. . . . The cohesion of the state mathematics teachers is the envy of every other discipline, and this cohesion is mainly Frank's work with no reward for himself," said Fred Zerla, chair of the Florida Section.

During his term as secretary-treasurer Dr. Cleaver helped develop and implement the concept of regional meetings -- meetings patterned after the annual section meetings, but held in regions of smaller geographical areas, loosely centered on the universities. Such meetings allowed access to mathematics meetings to most mathematics instructors from the high school level through graduate school.

Dr. Cleaver worked to provide uniformity of standards of mathematics instruction throughout the state system of higher education. In the critical years of the fast development of Florida's system of higher education, his influence was of major significance. His dedication and enthusiasm for mathematics along with his kindness and generosity will be long remembered. Dr. Cleaver died on January 29, 1987.

#

Frank L. Cleaver, University of South Florida (deceased)

The Mathematical Association of America



Florida Section, including Puerto Rico and The Virgin Islands

Certificate of Recognition

Presented to

Frank L. Cleaver

for

Outstanding Contributions to Mathematics and The Mathematical Community
of the
Florida Section of the MAA

1986



FLORIDA ATLANTIC UNIVERSITY

BOCA RATON, FLORIDA 33432

COLLEGE OF SCIENCE
DEPARTMENT OF MATHEMATICS

January 23, 1980

Professor Manoug Manougian
Chairman, Department of Mathematics
University of South Florida
Tampa, Florida 33620

Dear Professor Manougian,

Professor Frank L. Cleaver has requested that I write you a letter in which I evaluate his efforts in behalf of the Florida Section of the Mathematical Association of America and the mathematical community of Florida. It is a pleasure to do so.

I can do no better than to begin by quoting from a report I just wrote as Chairman of the Florida Section, Mathematical Association of America:

"I am enjoying my term as Chairman of the Florida Section of the Mathematical Association of America. It is pleasant to be the titular head of a successful organization, and the pleasure is heightened by having someone else, in this case Frank Cleaver, do the work.

"At the August, 1979 meeting of the Mathematical Association of America in Duluth, Minnesota, I attended the annual meeting of section officers. The theme was, "What makes a good section?" Many attributes of good sections were listed: broad participation by location and levels of instruction, good programs at meetings, good attendance at meetings, good newsletters, high school lecture series, and short courses. Florida Section has all of these except the last, and Florida also has the mini-sections. From what was said at that meeting in Duluth, I decided that we were one of the best two or three sections in the country, very possibly the best."

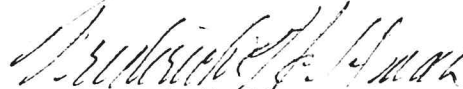
The Secretary's role in a Section is critical, as emphasized by Past-President Henry L. Alder of the Mathematical Association of America at the meeting in Duluth: "In a good section, there is always strong leadership. Most frequently this is provided by a strong Secretary who coordinates all activities of the Section, provides for continuity in its affairs, and sees to it that things get done in the Section."

In the case of the Florida Section, Frank Cleaver does provide this strong leadership, and has done so for many years. He deserves most of the credit for our achievements in all the areas I listed in my report. Ours is a young Section, and Frank has been the leader through its growth years.

The Mathematical Association of America is the most important unifying force in mathematics in Florida, fostering communication among mathematicians in different geographic areas, at all levels of instruction, and in and out of academic institutions. It speaks for the mathematical community to the educational establishment in Florida, and through the mini-sections, it now adds local visibility to the mathematical community. Frank Cleaver, as the major leader of Florida Section, Mathematical Association of America, thus makes perhaps the most important individual contribution to the mathematical community in Florida. There are very few people who can do such a job, and many fewer (if any) who would be willing to put in the work necessary (often unseen and unthanked) to make sure that the Mathematical Association of America functions so well in Florida.

If necessary, I can elaborate on the comments I have just made, but I hope I have clearly indicated my feelings about the importance of Frank Cleaver to mathematics in Florida. I am sure that it is unnecessary to add that he is an extremely pleasant person to work with, but that is a fact, and an important one.

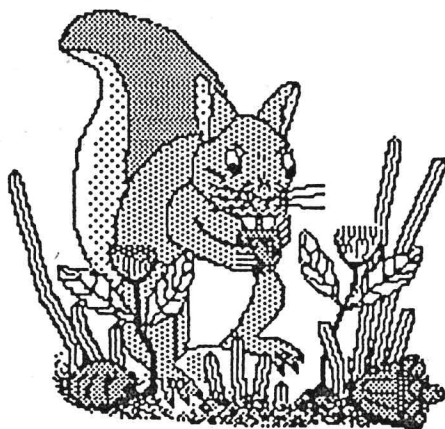
Sincerely yours,



Frederick Hoffman
Professor

FH/re

xc: Professor Frank Cleaver



Beverly L. Brechner

4003 NW 17th Avenue

Gainesville, FL 32605

Thursday April 10, 1986

Professor Frank Cleaver
Department of Mathematics
University of South Florida
Tampa, Florida 33620

Dear Frank,

Just a note to wish you well on two counts. First, I hope that you are feeling much better by now, and are back to a full schedule! I heard at the MAA meeting that you were not feeling well, and were therefore unable to come. WE MISSED YOU!

Secondly, I heard that you are up for the USF Distinguished Service Award. I hope you are successful. You richly deserve it!

As you know, we had a special session in memory of A.D. Wallace at the MAA meeting. I assume you knew him at Tulane. The session went very well. R.J. Koch gave a 35 minute talk, and both Al Bednarek and Paul Erdos also gave talks, as well as Kermit Sigmon and Y.F. Lin, among others. The talks were very good.

Again, best wishes for your good health!

With best regards,

Beverly Brechner



ST. PETERSBURG JUNIOR COLLEGE

SERVING ALL OF PINELLAS COUNTY

Address all mail to:
Post Office Box 13489
St. Petersburg, Florida 33733

July 16, 1986

DEAN OF ACADEMIC SERVICES

Professor Frank L. Cleaver
University of South Florida
Tampa, FL 33620

Dear Frank:

You have been nominated by the executive committee of the Florida Section of the MAA to serve this year on the nominating committee. The nominating committee, chaired by the past president, Elizabeth Magarian, is responsible for nominating the president-elect, and the vice presidents-elect for program and site selection. She will be contacting you to arrange for a meeting time and place.

Frank, I would appreciate your willingness to be on this committee. Please let me know as soon as convenient if you can serve. Many thanks.

Sincerely,

Ernest R. Ross, President
Mathematical Association of
America, Florida Section

ERR/ln

*Frank,
I think about
you often - hope that
you are feeling better and
can serve on this committee.
If not, I understand.
E.*

DISTRICT OFFICE
8580 - 66th STREET NORTH
PINELLAS PARK
546-0021

CLEARWATER CAMPUS
2465 DREW STREET
CLEARWATER
799-0681

ST. PETERSBURG CAMPUS
6605 - 5th AVENUE NORTH
ST. PETERSBURG
381-0681

TARPON SPRINGS CENTER
600 KLOSTERMAN RD.
TARPON SPRINGS
799-0681

HEALTH EDUCATION FACILITY
7200 - 66th STREET NORTH
PINELLAS PARK
546-9831

SUNY at Buffalo (University of Buffalo), Buffalo, N. Y. 14214

January 1, 1966

To individual dues for 1966 (including subscription to the MONTHLY)	-	-	-	-	-	-	\$	6.00
*To Carus Monographs Nos. 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, at \$2.00 each to members	-	-	-	-	-	-	\$	
*To MAA Studies in Mathematics Nos. 1, 2, 3, at \$2.00 each to members	-	-	-	-	-	-	\$	
To Slaught Memorial Papers Nos. 3, 4, 5, 6, 7, 8, 9, 10, at \$1.50 each	-	-	-	-	-	-	\$	
To subscriptions to MATHEMATICS MAGAZINE (2 years for \$5.00 to members)	-	-	-	-	-	-	\$	
To subscriptions to THE AMERICAN MATHEMATICAL MONTHLY	-	-	-	-	-	-	\$	
							\$	
							\$	
							\$	
							\$	
							\$	
							\$	
							\$	

Paid #555
Nov. 17, 1965

Checks and money orders should be made payable to the Mathematical Association of America.

MEMBERS: Membership dues (which includes a subscription to the MONTHLY) are payable on the first of January as specified by the By-Laws. Should the annual dues of any member remain unpaid beyond a reasonable time, his MONTHLY will be discontinued and then his name removed from the membership list after due notice. If resignation from membership becomes necessary, please notify us promptly, otherwise a charge will be made for copies of the MONTHLY which have been received. Since address changes take from four to six weeks to effect, a prompt notice is necessary.

SUBSCRIBERS: Subscriptions to the MONTHLY and to the MATHEMATICS MAGAZINE are payable in advance and should be renewed promptly; otherwise they will be discontinued at expiration.

*Monographs and Studies are supplied at the above prices only to members of the Association, and only one copy of each volume to each member. Members who have not yet had these may secure them by sending to the above address.

THE MATHEMATICAL ASSOCIATION OF AMERICA

(Florida Section)

EIGHTH ANNUAL MEETING

March 7 and 8, 1975

Manatee Junior College
Bradenton, Florida 33506

1. PLEASE MARK THE DATES MARCH 7 and 8 ON YOUR CALENDAR AND PLAN TO ATTEND THE ONLY FLORIDA SECTION MEETING OF THE YEAR. In conjunction with this meeting the State Mathematics Articulation Committee is sponsoring a statewide ARTICULATION CONFERENCE. Enclosed is a map of the area, a list of motels and their rates, and some things to do in the Bradenton-Sarasota area. As you will note there are many attractions in the area so bring the family and have a mini-vacation at the same time. Reservations should be made directly with the motels as soon as possible. Identify yourself as someone attending the meeting of the MAA because special rates have been obtained. Professor Roy Raines has prepared a packet of the local attractions to be given out at the registration desk in ED complex 4000 Building. Someone will be on duty Thursday evening March 6th with information for early arrivals.
2. Enclosed are some of the program highlights of the meeting. You will find many things to stimulate your interest.
3. Ten-minute contributed papers by members (and non-members introduced by a member) of the association are solicited. These papers may be of a research or pedagogical nature. Papers in each of these categories are strongly encouraged. Also, papers by students, both graduate and undergraduate, are encouraged. Those wishing to present a paper should send the title to the secretary of the Section, Frank L. Cleaver, Department of Mathematics, University of South Florida, Tampa, Florida 33620, before the deadline, February 21, 1975.
4. The annual business meeting will be held on Saturday on campus at 1:00 p.m., please plan to attend this luncheon meeting. It is usually over in less than an hour and is a pleasant way to conclude the meeting. Purchase your luncheon ticket at the registration desk as soon as you arrive.
5. The Newsletter is mailed to all members of the Section and to others on request. Each member is asked to disseminate information about the MAA Florida Section to their colleagues that are non-members. The Florida Section seeks to serve the interest of the entire mathematical community within Florida and the Caribbean area. We especially invite all members of the mathematics faculties of the community colleges to become members of the Mathematical Association of America. Applications for membership can be obtained by writing to the secretary, Frank L. Cleaver, Department of Mathematics, University of South Florida, Tampa, Florida 33620.
6. The registration fee is \$1.00 and the registration desk will open at 9:00 a.m. Friday, March 7. Pre-registration is encouraged by use of the enclosed form.

THE MATHEMATICAL ASSOCIATION OF AMERICA

(Florida Section)

Ninth Annual Meeting

March 5 and 6, 1976

Florida A & M University

Tallahassee, Florida 32307

1. PLEASE MARK THE DATES MARCH 5 and 6 ON YOUR CALENDAR AND PLAN TO ATTEND THE ONLY FLORIDA SECTION MEETING OF THE YEAR. In conjunction with this meeting the State Mathematics Articulation Committee is sponsoring a state-wide ARTICULATION CONFERENCE. Thursday afternoon and Friday morning the Southeastern Section of the AMERICAN MATHEMATICAL SOCIETY is holding there Spring meeting. Come early and attend both meetings. Enclosed is a map of the area, a list of motels and their rates. Reservations should be made directly with the motels as soon as possible. Identify yourself as someone attending the meeting of the MAA because special rates have been obtained. All the meetings will be held in The Gore Education Complex Building on the campus of Florida A & M University.
2. Enclosed are some of the program highlights of the meeting. You will find many things to stimulate your interest.
3. Ten-minute contributed papers by members (and non-members introduced by a member) of the association are solicited. These papers may be of a research or pedagogical nature. Papers in each of these categories are strongly encouraged. Also, papers by students, both graduate and undergraduate, are encouraged. Those wishing to present a paper should send the title to the secretary of the Section, Frank L. Cleaver, Department of Mathematics, University of South Florida, Tampa, Florida 33620, before the deadline, February 20, 1976.
4. The annual business meeting will be held on Saturday on campus at 1:00 p.m., please plan to attend this luncheon meeting. It is usually over in less than an hour and is a pleasant way to conclude the meeting. Purchase your luncheon ticket at the registration desk as soon as you arrive.
5. The Newsletter is mailed to all members of the Section and to others on request. Each member is asked to disseminate information about the MAA Florida Section to their colleagues that are non-members. The Florida Section seeks to serve the interest of the entire mathematical community within Florida and the Caribbean area. We especially invite all members of the mathematics faculties of the community colleges to become members of the Mathematical Association of America. Applications for membership can be obtained by writing to the secretary, Frank L. Cleaver, Department of Mathematics, University of South Florida, Tampa, Florida 33620.
6. The registration fee is \$1.00 and the registration desk will open at 9:00 a.m. Thursday, March 4, 1976.

PROGRAM HIGHLIGHTS

1. Three invited addresses by outstanding mathematicians from out of state.

1:30-2:30 p.m. Friday

Doctor Henry O. Pollak of Bell Laboratories, President of M.A.A., will speak on "The Relationship Between the Application of Mathematics and The Teaching of Mathematics."

9:00-10:00 a.m. Saturday

Professor Hyman Bass of Columbia University will speak on "Projective Modules."

11:45-12:45 p.m. Saturday

Professor James A. Donaldson of Howard University will speak on "The Initial Value Problem For First Order Systems of Differential Equations."

2. There will be presentations of research papers each day.
3. Three mathematicians from the State of Florida have been invited to address the meeting. Professor Paul Mc Dougle of University of Miami will speak on "Math Topics For Liberal Arts Students." Professor A. R. Bednarek of the University of Florida will speak on "Relations, Discrete and Topological." Professor Gene W. Medlin of Stetson University will speak on "A Mathematical Subtlety--and Where It has Lead."
4. The Articulation Conference begins Friday at 12:15 p.m. with a panel discussion of a proposed new project concerning teaching. There will be sessions discussing the "Klep" Tests, and other aspects of articulation.
5. The Florida Chapters of Pi Mu Epsilon, the mathematics honorary fraternity, will present a program of student speakers Saturday at 10:15 to 11:40 a.m.
6. There is a "Get Acquainted Hour" scheduled at 5:30 p.m. Friday.
7. There will be two M.A.A. produced films shown at 8:30 p.m. Friday.

The Seven Hundred Thirty Second Meeting
Florida Agricultural and Mechanical University

Tallahassee, Florida
March 4-5, 1976

The Seven Hundred Thirty Second Meeting of the American Mathematical Society will be held at the Florida Agricultural and Mechanical University in Tallahassee, Florida from noon Thursday, March 4 until noon, Friday, March 5, 1976. The meeting of the American Mathematical Society will be followed by a meeting of the Florida Section of the Mathematical Association of America.

By Invitation of the Committee to Select Hour Speakers for the Southeastern Sectional meetings there will be three one-hour addresses. Professor B. J. Ball of the University of Georgia will present a lecture entitled "Geometric Topology and Shape Theory: A Survey of Problems and Results." Professor L. Carlitz of Duke University will lecture on "Functions and correspondences in a finite field," and Professor R. Kalman of the University of Florida will speak "On the global theory of the Riccati Equation." All of the invited addresses will be held in Room 200A of the Gore Education Complex.

There will be four special sessions at this meeting. Professor Heron Collins of Louisiana State University is organizing a special session on Strict Topologies and Related Topics. Professors Robert Gilmer and Joe Mott of Florida State University are organizing a special session on Commutative Rings. Professor Mary-Elizabeth Hamstrom of the University of Illinois is organizing a special session on Geometric Topology.

Professor Leonard L. Scott of the University of Virginia is organizing a special session on Finite Groups. There will also be sessions for contributed papers on Thursday and Friday.

UNIVERSITY OF SOUTH FLORIDA
Department of Mathematics
Tampa, Florida 33620

October 18, 1977

Dear Colleague,

At the last executive committee meeting, it was decided to attempt to send a fall newsletter to members of the Florida Section of the MAA. The primary purpose of the letter is to carry the announcements of the fall-winter Mini-Sectional Meetings. In 1976, the first Mini-Sectional Meetings were held, and the idea seems to be a good one, so they will be continued. The State of Florida was divided into seven geographical areas with a fall meeting held in each. The primary purpose of the meetings is a simple one: "to get acquainted with your colleagues in your area, and to make it possible for anyone to attend a meeting without extensive travel." All those interested in mathematics or the teaching of mathematics are cordially invited to attend whether members of the MAA or not, in particular, high school and college teachers are encouraged to attend.

Enclosed are the announcements of the seven Mini-Sectional Meetings. Please note the time and place of the one nearest to you and make plans to attend.

The annual spring meeting of the Section will be held March 3 and 4, 1978 at the Clearwater Campus of the St. Petersburg Junior College. (Highway 19 and State Road 60) Please mark these dates on your calendar and make plans to attend.

The Section is pleased to announce that the national MAA has given the Section a grant of \$300 to develop a secondary school lectures program. The committee to oversee this project consists of:

Don Hill, (Florida A & M University) Chairman
Ignacio Bello, (Hillsborough Community College)
Bob Meacham, (Eckerd College)
Bruce Edwards, (University of Florida)
Louis M. Edwards, (Valencia Community College)

In the near future, this committee will be planning the program of activities for this project.

NEWS FROM THE CAMPUSES

If you have any news-worthy items from your campus, please forward them to the secretary for inclusion. This will be a regular part of our newsletters, so please send me news of the activities on your campus that the rest of the mathematical community may find interesting.

PERSONAL NOTES

Professor Jack Britton is now officially Professor Emeritus of the University of South Florida. Already he is sorely missed by his colleagues,

DECIDE TO ATTEND NOW!

LAST NOTICE!

DECIDE TO ATTEND NOW!

The Mathematical Association of America
Eleventh Annual Meeting of the Florida Section
March 3 and 4, 1978
Clearwater Campus, 2465 Drew Street
St. Petersburg Junior College, Clearwater, FL 33515

Twist the arms of several of your colleagues to accompany you for a good meeting. Renew acquaintances with your fellow teachers from around the state, and return home with some new ideas to try in the classroom.

1. PLEASE MARK THE DATES, MARCH 3 and 4, ON YOUR CALENDAR AND PLAN TO ATTEND. In conjunction with this meeting, the State Mathematics Articulation Committee is sponsoring a statewide ARTICULATION CONFERENCE. We are meeting jointly with the Florida Chapter of the American Statistical Association. Enclosed is a map of the area, a list of motels and their rates. Reservations should be directly with the motels as soon as possible. Identify yourself as someone attending the meeting of the MAA because rooms are being held. Please reserve now because the motels will not hold these rooms too long.

2. Three outstanding professors will address the Section: Professors R. Creighton Buck, University of Wisconsin; W. J. Padgett, University of South Carolina; David P. Roselle, Virginia Polytechnic Institute. The meeting officially opens with the address by Professor Buck at 1:15 p.m. Friday; however, there will be a preliminary session from 12:15 p.m. to 1:00 p.m. for reports of the Mini-Sectional Meetings of the seven areas of the State which were held this past fall and a planning session for the future of these meetings.

There will be presentations of papers each day, sessions of the Articulation Conference, invited addresses, and sessions of the ASA.

The Florida Chapters of Pi Mu Epsilon, the mathematics honorary fraternity, will present a program of student speakers Saturday morning.

There is a "Get Acquainted Hour" scheduled for 5:30 p.m. Friday.

3. Ten-minute contributed papers by members (and non-members introduced by a member) of the association are solicited. These papers may be of a research or pedagogical nature. Papers in each of these categories are strongly encouraged. Also, papers by students, both graduate and undergraduate are encouraged. Those wishing to present a paper should send the title to the secretary of the Section, Frank L. Cleaver, Department of Mathematics, University of South Florida, Tampa, FL 33620, before the deadline, February 18, 1978.
4. The annual business meeting will be held on Saturday on campus at 1:00 p.m., please plan to attend this luncheon meeting. It is usually over in less than an hour and is a pleasant way to conclude the meeting. Purchase your luncheon ticket at the registration desk as soon as you arrive.

5. The newsletter is mailed to all members of the Section and to others on request. Each member is asked to disseminate information about the MAA Florida Section to their colleagues that are non-members. The Florida Section seeks to serve the interest of the entire mathematical community within Florida and the Caribbean area. We, especially, invite all members of the mathematics faculties of the community colleges and high schools to become members of the Mathematical Association of America. Applications for membership can be obtained by writing to the secretary, Frank L. Cleaver, Department of Mathematics, University of South Florida, Tampa, Florida 33620.

6. The registration fee is \$1.00 and the registration desk will open at 9:00 a.m. Friday, March 3, 1978.

7. The Bay Area has many fine attractions and some of the finest restaurants anywhere. There is considerable night-time activity and almost any type of entertainment can be found in the Bay Area.

8. INSTITUTIONAL MEMBERSHIP IN THE MAA

Any department in a mathematical science or any academic institution is eligible for Academic Membership in the MAA. Every Academic Member receives the following basic benefits:

AMERICAN MATHEMATICAL MONTHLY.	\$25
MATHEMATICS MAGAZINE.	\$10
TWO-YEAR COLLEGE MATHEMATICS JOURNAL.	\$10
COMBINED MEMBERSHIP LIST.	\$10
MAA membership for Institutional Nominee.	\$22

Total value: \$77

The annual dues for Academic Membership, however, are only \$60, representing a direct saving of \$17 per year on basic benefits. In addition, an Academic Member may nominate students for full membership in MAA as Institutional Student Nominees. The institution's cost is only \$10 per nominee, a saving of \$2 on Student Member dues. And MAA publications, to be used as awards, may be purchased at the special discount rates normally available only to individual members.

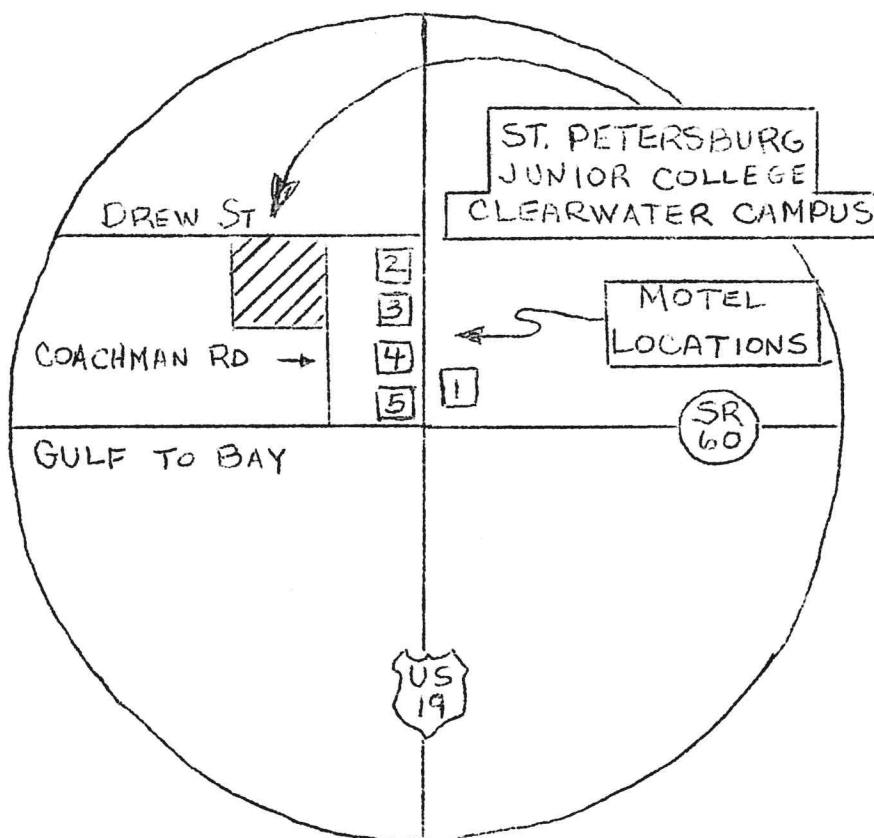
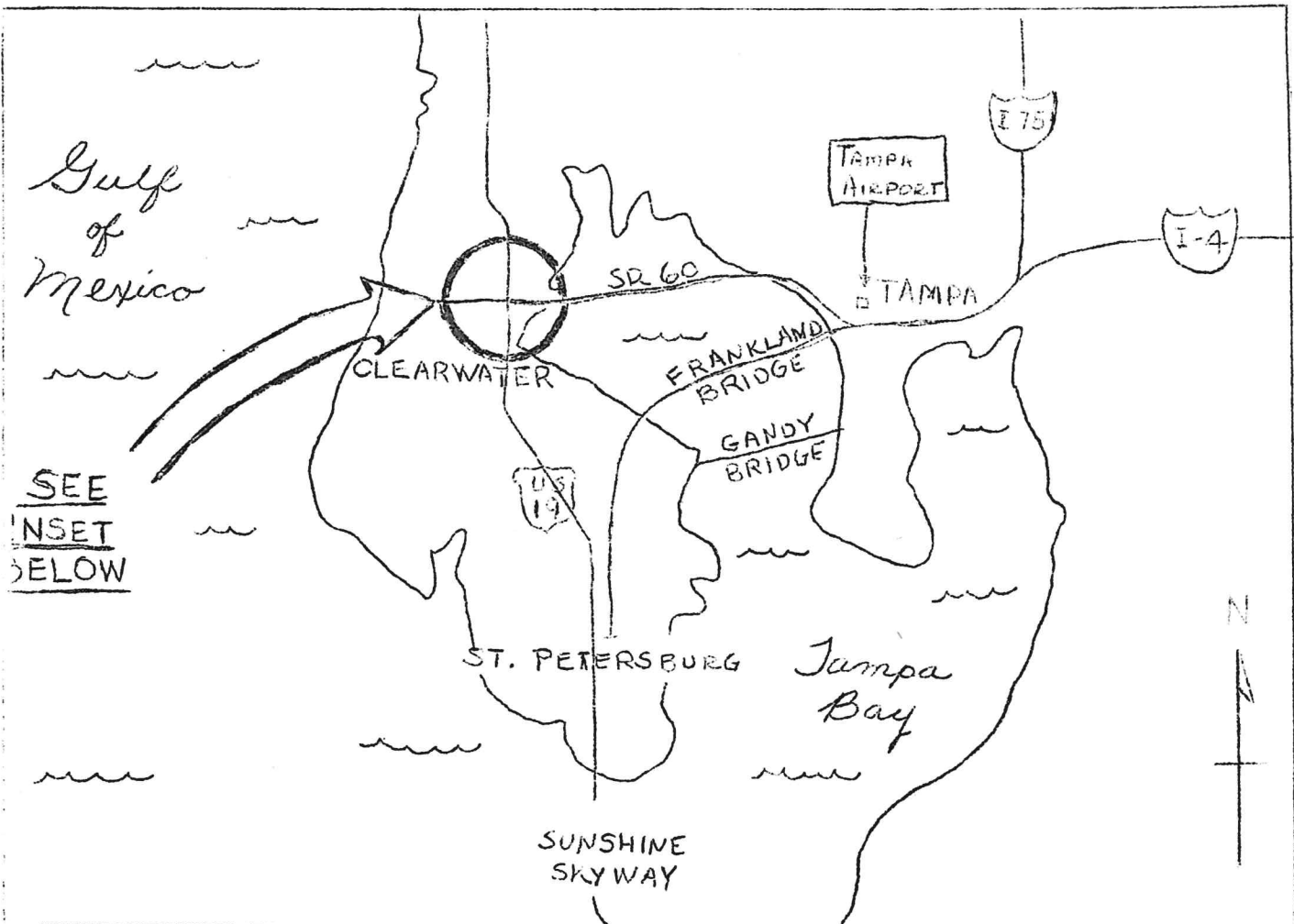
In summary, Academic Membership in MAA is a GOOD DEAL! Below is a list of MAA Academic Members in Florida, as published in the COMBINED MEMBERSHIP LIST. If your institution is not listed, why not arrange now to appear on next year's list. Application forms are available from:

MAA, 1225 Connecticut Ave., Washington, D.C., 20036

ACADEMIC MEMBERS OF MAA, FLORIDA SECTION

1977-1978 Membership list

Eckerd College
Florida International University
Florida State University
Miami-Dade Community College
Palm Beach Atlantic College
University of Florida



HOTELS AND MOTELS

There are a number of hotels and motels in the area which are listed below. All prices are subject to change without notice. Participants should make their own reservations and request a written confirmation. Airport limousine service to these motels is available at \$4.50 per person.

No. on Map	Motel	Rates	Deadline
1	Ramada Inn 401 US 19 South Clearwater, Fla. 33515 (813) 726-1181	\$20/rm-single \$26/rm-double \$3-extra person	3/1/78
2	Royal Inn 120 US 19 North Clearwater, Fla. 33515 (813) 442-1116	\$22-26/rm-single \$24-28/rm-double \$4-extra person	2/7/78
3	Best Western 100 US 19 North Clearwater, Fla. 33515 (813) 443-1565	\$28-32/rm single or double \$3-extra person	2/7/78
4	Holiday Inn 400 US 19 South Clearwater, Fla. 33515 (813) 442-8173	\$22/rm-single \$30/rm-double \$4-extra person	2/29/78
5	Howard Johnson 410 US 19 South Clearwater, Fla. 33515 (813) 446-5021	\$27/rm-single \$33/rm-double \$5-extra person	2/15/78

The numbers of these motels are indicated on the enclosed map.

PROGRAM



Florida Section - Mathematical Association of America

NINTH ANNUAL MEETING

MARCH 5, 6, 1976

FLORIDA A & M UNIVERSITY

GENERAL SESSION I
Friday, March 5, 1976

9:00 a.m. REGISTRATION DESK OPENS - Room 104 Wing A.
Saturday Luncheon Tickets on Sale - Coffee and Doughnuts -
Book Displays - MAA Portable Library.

12:15 - 1:00 p.m. ARTICULATION - MAA CONFERENCE - Room 104 Wing B.
"Panel Discussion of a Proposed New Project".
Panel: The Members of the Planning Committees.
Frank L. Cleaver, University of South Florida, presiding.

1:15 - 2:30 p.m. OPENING SESSION OF MAA - Room 200 Wing A.
Welcome by the Chairman of the Florida Section, *Bill Rice*, St. Petersburg
Junior College and *Dr. Gertrude L. Simmons*, Vice President of Florida
A & M University.

INVITED ADDRESS - *Dr. Henry O. Pollak* of Bell Laboratories, and President
of MAA, will speak on "The Relationship Between the Application of Mathe-
matics and the Teaching of Mathematics".
Introduced by *Orville Harrold*, Florida State University.

(Sessions A, B, C, and D are scheduled simultaneously, beginning at 2:40 p.m.)

SESSION A. Room 100 Wing A. CONTRIBUTED PAPERS. Chairman *Ralph McWilliams*
of Florida State University.

*Cancelled
but
hurry 3-4*
2:40 - 2:50 p.m. *Eugene Norris* - University of South Carolina. "Brains and Maximal
Rectangles in Relations".

2:55 - 3:05 p.m. *Eugene D. Nichols* - Florida State University. "A Surprising Result
in Number Theory".

3:10 - 3:20 p.m. *Thomas L. Wade, Jr.* - Florida State University. "On Generalized
Inverses of Matrices".

3:25 - 3:35 p.m. *Orville Harrold* - Florida State University. "On a Problem of Rushing".

SESSION B. Room 102 Wing A. CONTRIBUTED PAPERS. Chairman *David Sherry*
of University of West Florida.

2:40 - 2:50 p.m. *Willie H. Green* - John F. Kennedy Space Center. "The Mathematician
in Government".

2:55 - 3:05 p.m. *Alan Wayne* - Holiday, Florida. "Calculators in College Algebra".

3:10 - 3:20 p.m. *R.E. Dalton* - Naval Underwater Systems Center. "On the Confinement
of Monkeys in Preparation for the Assault on Shakespeare's Works".

3:25 - 3:35 p.m. *James R. Weaver* - University of West Florida. "Subgroups, Cosets,
and an Application to Codes".

SESSION C. Room 103 Wing B. INVITED ADDRESSES.

2:40 - 3:20 p.m. *Professor Paul McDougale*, University of Miami, will speak on "Math Topics for Liberal Arts Students". Introduced by *Herman Meyer*.

3:25 - 4:05 p.m. *Professor A.R. Bednarek*, University of Florida, will speak on "Relations, Discrete and Topological". Introduced by *Kermit Sigmon*.

4:10 - 4:50 p.m. *Professor Gene W. Medlin*, Stetson University, will speak on "A Mathematical Subtlety - and Where it has Led". Introduced by *Elizabeth Magarian*.

SESSION D. Room 104 Wing B. ARTICULATION CONFERENCE.

2:40 - 3:10 p.m. "A Joint Teaching Venture Between HCC and USF". *Frederic Zerla*, University of South Florida, and *Donald C. Rose II*, Hillsborough Community College. *Frederic Zerla*, presiding.

3:15 - 4:20 p.m. "The Elementary Education Math Sequence". *James Gard*, University of South Florida, *Homer Gerber*, Florida Technological University, *Marilyn L. Repsher*, Jacksonville University. *James Gard*, presiding.

4:25 - 5:00 p.m. Business Meeting of Florida Junior College Council of Teachers of Mathematics. President *C. E. Rhodes*, Broward Community College, presiding.

5:30 - 7:00 p.m. "GET ACQUAINTED HOUR", at the Rodeway Inn - U.S. 27 South.

8:30 p.m. Room 200 Wing A. MAA FILM SHOWING.

GENERAL SESSION II

Saturday, March 6, 1976

8:30 a.m. REGISTRATION DESK OPENS - Room 104 Wing A.

9:00 - 10:00 a.m. INVITED ADDRESS - Room 200 Wing A.
Professor Hyman Bass of Columbia University will speak on "Projective Modules". Introduced by *Ralph McWilliams*, Florida State University.

(Sessions A, B, C, and D are scheduled simultaneously, beginning at 10:15 a.m.)

SESSION A. Room 100 Wing A. CONTRIBUTED PAPERS. Chairman *Roy Jones* of Florida Technological University.

10:15 - 10:25 a.m. *David L. Sherry* - University of West Florida. "Using Simulation to Introduce Probability Distributions in Elementary Statistics".

10:30 - 10:40 a.m. *Richard M. Caron* - Florida Technological University. "Orders of Ternary Cubic Forms".

10:45 - 10:55 a.m. *John Cruthirds* - Florida State University. "The Existence of a Maximal Separable Subalgebra in a Galois Extension".

11:00 - 11:10 a.m. *Robert Jernigan* - University of South Florida. "A Stochastic Formulation of Sampling Procedures".

SESSION B. Room 102 Wing A. CONTRIBUTED PAPERS. Chairman *Donald C. Rose* of the University of South Florida.

10:15 - 10:25 a.m. *John Grant* - University of Florida. "A Curriculum in Computer and Information Sciences".

10:30 - 10:40 a.m. *Theresa E. Early* - Florida State University. "An Identity Element for a Galois Algebra".

SESSION C. Room 103 Wing B. Sponsored by PI MU EPSILON, Mathematics Honorary Fraternity. *Frederic Zerla*, University of South Florida, presiding.

10:15 - 10:40 a.m. *Robert Tubbs* - Florida Epsilon Chapter, University of South Florida. "Zorn's Lemma and Ring Theory".

10:45 - 11:10 a.m. *David Kerr* - Florida Epsilon Chapter, University of South Florida. "Rational Cuts and the Development of the Real Numbers".

11:15 - 11:40 a.m. *Bruno Michael Castellano* - Florida Epsilon Chapter, University of South Florida. "The Five Regular Polyhedra".

SESSION D. Room 104 Wing B. ARTICULATION CONFERENCE.

10:15 - 11:05 a.m. "An Interdisciplinary Approach to Computers and Society". *Don Hill, Gwen Humphries, Andy Foster, and Wendell Meeks*, all of Florida A & M University. *Don Hill*, presiding.

11:10 - 11:40 a.m. "The Journals Pertaining to Mathematics Education". *ElRoy J. Bolduc* - University of Florida. Introduced by *Maurice E. Nott*, St. Petersburg Junior College.

11:45 - 12:45 p.m. Room 200 Wing A. INVITED ADDRESS. *Professor J. A. Donaldson*, Howard University, will speak on "The Initial Value Problem for First Order Systems of Differential Equations". Introduced by *Osiefield Anderson*.

1:00 p.m. LUNCHEON AND ANNUAL BUSINESS MEETING - Faculty Dining Area of the University Commons.

Quality Inn - 1-904-877-6171
1027 Apalachee Parkway (U.S. 27 South)

PROGRAM



Florida Section - Mathematical Association of America

ELEVENTH ANNUAL MEETING

MARCH 3, 4, 1978

CLEARWATER CAMPUS

ST. PETERSBURG JUNIOR COLLEGE

GENERAL SESSION I

Friday, March 3, 1978

9:00 a.m. REGISTRATION DESK OPENS - Natural Science 148.

Saturday Luncheon Tickets on Sale - Coffee and Doughnuts - Book Displays - MAA Portable Library.

11:30 - 12:00 p.m. ASSOCIATION FOR WOMEN IN MATHEMATICS - OPEN MEETING - Natural Science 139. *Alexandra Skidmore* presiding.

12:15 - 1:00 p.m. PRELIMINARY SESSION - Natural Science 139.

"Reports and Discussion on the Fall Mini-Sectional Meetings"

Panel: *Dave Sherry, Eugene Nichols, Bill Caldwell, Charles Nelson, Gene Medlin, Fredrick Hoffman, Frank L. Cleaver* presiding.

1:15 - 2:30 p.m. OPENING SESSION OF MAA - Auditorium.

Welcome by the Chairperson of the Florida Section, *Beverly Brechner*, University of Florida, and *Max DeVane*, Dean of Instruction Clearwater Campus.

INVITED ADDRESS - *Professor R. Creighton Buck* of University of Wisconsin, will speak on "There were Giants...". Introduced by *A. W. Goodman*, University of South Florida.

(Sessions A, B, C, and D are scheduled simultaneously, beginning at 2:40 p.m.)

SESSION A. Natural Science 157. CONTRIBUTED PAPERS. Chairman *Mark Teply* University of Florida.

2:40 - 2:50 p.m. *E. P. Miles, Jr.* - Florida State University.

"Functional Design or Colorful Mathematics"

2:55 - 3:05 p.m. *J-S. Shiue* - University of South Florida.

"A Complete Residue System in the Integral Quaternions"

3:10 - 3:20 p.m. *Willie H. Greene* - John F. Kennedy Space Center.

"A Mathematician's View of the Earth Resources Program in the Shuttle Era"

3:25 - 3:35 p.m. *Gerhard X. Ritter* - University of Florida.

"Topological Structures in Neurobiology"

3:40 - 3:50 p.m. *Michael D. Taylor* - Florida Technological University.

"Integration Over k -Dimensional Subsets of R^n "

3:55 - 4:05 p.m. *Scott E. Rimbey* - Florida State University.

"Student Contributions to Computer Oriented Curricular Projects"

4:10 - 4:20 p.m. *Philip Bartick* - University of Miami.

"A Property of a Defining Sequence for a Pseudo-arc"

4:25 - 4:35 p.m. *James Kell III* - University of Miami.

"A Characterization of a Simple Arc"

SESSION B. Social Science 103. CONTRIBUTED PAPERS. Chairman *Roy Jones*, Florida Technological University.

2:40 - 2:50 p.m. *Dennis Kletzing* - Stetson University.

"Crisis In Mathematics - An Alternative to Mathematics History"

2:55 - 3:05 p.m. *Edward Norman* - Florida Technological University.

"On Making a Successful Transition from Manipulation to Mathematics"

3:10 - 3:20 p.m. *Bruce H. Edwards* - University of Florida.

"Calculus with Computing - An Informal Approach"

Student Speaker for Pi Mu Epsilon Mathematics Honorary Fraternity.

3:25 - 4:05 p.m. *Teresa Schultz* - Florida Epsilon Chapter, University of South Florida. "Mercator Projections"

SESSION C. Natural Science 125. INVITED ADDRESSES.

- 2:40 - 3:20 p.m. Professor Dwight Goodner, Florida State University, will speak on "Suppose there is no Derivative". Introduced by Ralph McWilliams.
- 3:25 - 4:05 p.m. Professor William Palow, Miami-Dade Community College, will speak on "Ramblings and Implications - the Mathematics Tragedy and What we might do". Introduced by Keith Williams.
- 4:10 - 4:50 p.m. Professor Robert Gilmer, Florida State University, will speak on "Invariance of Indeterminates in Polynomial and Power Series Rings". Introduced by Charles McArthur.

SESSION D. Natural Science 139. ARTICULATION CONFERENCE.

- 2:40 - 4:20 p.m. "A Brief History on Articulation in Mathematics - the 1966 Report the 1969 Report - 19?? Report" - "Present and Future Problems in Articulation" - "Now is the Time for Considering Course Content, Competency and Classroom Conditions in Each Calculus Course" Panel: Members or designates of the Committee on Articulation in Mathematics and Kenneth Pothoven, University of South Florida. Bill Rice, St. Petersburg Junior College, presiding.
- 4:25 - 5:00 p.m. Business Meeting of Florida Junior College Council of Teachers of Mathematics. President Maurice E. Nott, Jr., St. Petersburg Junior College, presiding.
- 5:30 - 7:00 p.m. GET ACQUAINTED HOUR, Ramada Inn.
- 8:30 p.m. Natural Science 139. MAA FILM SHOWING. "Challenging Conjectures" and "John Von Neumann, His Life and Work"

GENERAL SESSION II

Saturday, March 4, 1978

8:30 a.m. REGISTRATION DESK OPENS - Natural Science 148.

9:00 - 10:00 a.m. INVITED ADDRESS. Professor W. J. Padgett of University of South Carolina, will speak on "Mathematical Modeling in Ecology: Stream Pollution". Introduced by Chris Tsokos, University of South Florida.

(Sessions A, B, C, and D are scheduled simultaneously, beginning at 10:15 a.m.)

SESSION A. Natural Science 157. CONTRIBUTED PAPERS. Chairman Paul McDougale, University of Miami.

- 10:15 - 10:25 a.m. Karen Singkofer - University of South Florida.
"Existence Theorem for Perturbed Equations With Unbounded Nonlinearities"
- 10:30 - 10:40 a.m. Michael Lachance - University of South Florida.
"Bounds for Polynomials With a Multiple Root on the Unit Circle"
- 10:45 - 10:55 a.m. Nancy J. Fordyce - Florida State University.
"On Hamel Basis Orderings"

SESSION B. Social Science 103. CONTRIBUTED PAPERS. Chairman John Leeson of the University of North Florida.

- 10:15 - 10:25 a.m. Herschel Sellers - University of Tennessee at Chattanooga.
"A Study of the Factors Which Contributed to the Superior Achievement in Mathematics of South Vietnamese Refugee Family Children Noted in the Greater Chattanooga Area Public Schools, Chattanooga, Tennessee, in 1975-1976, in the Elementary Grades"
- 10:30 - 10:40 a.m. Wendell Motter - Florida A & M University.
"Methods of Numerical Integration and Their Computer Implementation - Report on a self-study module class-tested in calculus courses"

10:45 - 10:55 a.m. *Alan Wayne* - Pasco-Hernando Community College.

"Calculator College Calculus"

11:00 - 11:10 a.m. *Pat Scott* and *Kermit Sigmon* - University of Florida.

"A Proven Model for the Administration of a Centrally Coordinated Mass-Lecture Mathematics Course"

11:15 - 11:25 a.m. *Herbert Wills* - Florida State University.

"Pedagogical Implications of a Subsuming Generalization"

SESSION C. Natural Science 125. Sponsored by PI MU EPSILON, Mathematics Honorary Fraternity. *Fredric Zerla*, University of South Florida, presiding.

10:15 - 10:40 a.m. *Nick Belloit* - Florida Eta Chapter, University of North Florida.

"Multivariate Discriminate Analysis and Prediction of Loan Default"

10:45 - 11:10 a.m. *George R. Blanton, Jr.* - Florida Delta Chapter, University of Florida. "Progressive Operations of the Third Kind"

11:15 - 11:40 a.m. *Jann Wise* - Florida Eta Chapter, University of North Florida.

"Poulet, Super-Poulet, and Related Numbers"

SESSION D. Natural Science 139. ARTICULATION CONFERENCE.

10:15 - 10:55 a.m. *Anthony Shershin* - Florida International University.

"The 'Straw' Poll on Flexible, Statewide, Standardized Syllabi on the Calculus Sequence and Related Courses" Introduced by *C. W. Rhodes*, Broward Community College.

11:00 - 11:35 a.m. *Herbert L. Johnson*, Supervisor of Secondary Mathematics, Pinellas County. "State Mathematics Literacy Test" Introduced by *Ben Bockstege*, Broward Community College.

11:45 - 12:45 p.m. Auditorium. INVITED ADDRESS.

Professor David P. Roselle, Secretary of the Mathematical Association of America, will speak on "Combinatorial Problems with Surprising Solutions". Introduced by *Don Hill*, Florida A and M University.

1:00 p.m. LUNCHEON AND ANNUAL BUSINESS MEETING AND "RAP SESSION" WITH SECRETARY ROSELLE - CHIEF CHARLIES.



904/599-3000

ZIP CODE: 32307

COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF MATHEMATICS

M E M O R A N D U M

TO: MAA - FL Governors History Panel
H. Taylor
H. Meyer
R. Meacham
C. McArthur
B. Brechner
D. Hill
R. Gilmer

FROM: Don Hill

DATE: April 17, 1987

RE: Photo

Many thanks for your contributions-both oral presentations at Boca Raton and the written summaries you sent to me.

The summaries will appear in our MAA-FL Newsletter. Governors I and IV will appear in the issue next week while V - VII will appear in the fall.

Enclosed is a photo I took at FAU. It will appear in the fall newsletter.

See you next year at Rollins College!

Bon courage!

Don Hill

xc: R. Kalin
E. Ross
F. Zerla

Florida Section Celebrates Twentieth Anniversary

A highlight of the meeting at Florida Atlantic University in Boca Raton, March 6-7, was a discussion of the section's history led by a panel of MAA-FL governors. From left to right are current governor Robert Gilmer (Florida State University), Don Hill (83-86, Florida A&M University), Beverly Brechner (80-83, University of Florida), Charles McArthur (77-80, Florida State University), Robert Meacham (74-77, Eckerd College), and Herman Meyer (71-74, University of Miami). Representing the section's first governor, Dwight Goodner (67-71, Florida State University), was the section's first secretary, Howard Taylor (West Georgia College).



1. A discussion of the current state of mathematical research - including the number and types of journals being published throughout the world. New results etc.

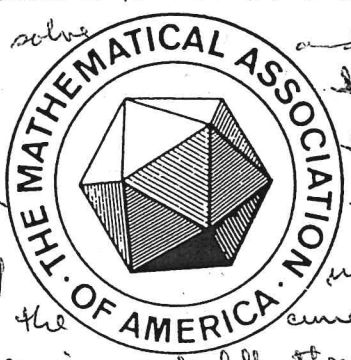
PROGRAM

Eighteenth Annual Meeting

2. A collection of problems presented to the students at the beginning and each student is expected to solve and present his solution to at least one problem during the semester.

3. Some students selected to read and present a paper from the literature to the seminar.

4. A discussion of the state of undergraduate education - where is it heading, the current state of career opportunities in math. Moreover, the seminar each fall attend the MAA Florida Regional meeting or in the spring the Annual meeting of the Florida Section if possible.



FLORIDA SECTION

MATHEMATICAL ASSOCIATION OF AMERICA

5. Talks by visiting alumni on career happenings.

MARCH 8 and 9, 1985
STETSON UNIVERSITY

6. Attendance mandatory - More than 2 unexcused absences gets a U grade.

Since talks and other activities are scheduled in overlapping time intervals, participants should feel free to enter or leave sessions in progress.

Registration is held in the Faculty Lounge, Carlton Union Building (CUB), and MAA membership forms are available there. Also in the registration area is the MAA portable library at which MAA publications may be examined and ordered. If you wish to order books at the special 20% discount below regular prices for members, please fill out the order form and give it and your check, payable to the MAA, to registration personnel.

Publishers exhibits are in the Garden Room, Carlton Union Building.

MAA films will be shown in Room 202, CUB, and details of the schedule are posted on the door of that room. Films to be shown are "John von Neumann," "Nim and other Oriented Graph Games," "Pits, Peaks and Passes, Part I" and "Search for Solid Ground: A Panel Discussion on Mathematical Logic."

Refreshments are available in the Student Lounge, CUB, on Friday afternoon and Saturday morning. We thank Heath Publishing Co. for providing morsels on Saturday morning.

The luncheon preceding Saturday's Business Meeting will be served from a buffet. Reservations and payment will be made at the time of Registration.

We are grateful to Worth Publishing Co. for hosting the Get-Acquainted Hour and to other publishing firms for contributing toward the expenses of this meeting; these firms will be listed in the fall newsletter.

Time	Event	Room
11:00- 4:30	REGISTRATION, MEMBERSHIPS AND MAA BOOK SALE	Fac. Lnge., CUB Carlton Univ.
12:15- 1:05	REGIONAL MEETING SESSION: Organizer, Elizabeth Magarian, President-Elect (Stetson U).	202 - 205, CUB
1:15- 1:30	INTRODUCTORY REMARKS: David L. Sherry, Pres., FL Section MAA (U West FL). WELCOME: Provost Coker, Stetson U.	Stetson Room, CUB
1:30- 2:30	INVITED ADDRESS: Classification of the Simple Groups. Daniel Gorenstein (Rutgers).	Stetson Room, CUB
2:30- 5:00	MAA FILMS: (see first page for titles)	Room 202, CUB
2:40- 3:20	INVITED ADDRESS: What's the Delay? An Introduction to Differential Equations Involving Delays. Mary Parrott (U South FL).	Stetson Room, CUB
2:40- 3:40	MATHEMATICS ARTICULATION SESSION: Organizer, Ernest R. Ross, Jr. (St. Pete JC), with participation from representative universities, col- leges and community colleges on the impact of the RAISE Law and Placement Testing on mathematics in higher education, particularly on remedial education.	5L Library Basement
2:40- 2:50	CONTRIBUTED PAPER: An Introduction to TEAM, Teaching Experimental Applied Mathematics. (TEAM is a new collection of educational materials provided by the MAA which is available to all colleges at no charge.) David Lawson (Stetson U).	204 - 205, CUB
2:55- 3:05	CONTRIBUTED PAPER: Inner Models of Zermelo-Fraenkel Set Theory with Urelements (ZFU) and Standard Models of Arithmetic. David Lawson (Stetson U).	204 - 205, CUB
3:10- 3:20	CONTRIBUTED PAPER: A Connected Locally-Connected Countable Space Satis- fying the Separation Axiom $T_3 - (1/n)$ for every n . Jennifer L. Davidson (U FL, graduate student; joint author, Gerhard Ritter).	204 - 205, CUB
3:30- 4:10	INVITED ADDRESS: An Interesting Linear Transformation and its Generali- zations. Sidney Kung (Jax U).	Stetson Room, CUB
3:25- 3:35	CONTRIBUTED PAPER: Discovering Mathematical Concepts Through the Compu- ter. Gareth Williams (Stetson U).	204 - 205, CUB
3:45- 4:15	FLORIDA TWO-YEAR COLLEGE MATHEMATICS ASSOC. MEETING Organizer, Dale Grussing (Miami Dade North CC).	5L Library Basement

- 3:40- 3:50 CONTRIBUTED PAPER: 204 - 205, CUB
Some Notes on Heron Triangles. Alan Wayne (Pasco-Hernando CC).
- 3:55- 4:05 CONTRIBUTED PAPER: 204 - 205, CUB
Fantastic Feminine Figures. Kimberly Kailing (student, U Tampa).
- 4:20- 5:20 ICME-5 PANEL DISCUSSION: Organizer, Don Hill (FL A&M U), assisted by Robert Kalin (FL State U) and Don & Betty Lichtenberg (U South FL). A discussion of the results of the Fifth International Congress on Mathematical Education held in Australia last summer. These congresses are the unique forum for a global discussion of mathematical instruction K-university levels. Stetson Room, CUB
- 4:20- 5:20 ASSOCIATION OF WOMEN IN MATHEMATICS: Organizer, Marilyn Repsher (Jax U). Education and Examination Policies of the Actuary Societies. Ruth Frew, FSPA, MAAA, EA, Treasurer and Member of the Board of Directors, American Society of Pension Actuaries. 5L Library Basement
- 4:20- 5:20 GET-ACQUAINTED HOUR: University Inn
Courtesy of Worth Publishing Co.

FOR YOUR INFORMATION:

Orchestra Concert, Friday evening at 8:00 p.m., Elizabeth Hall Chapel, \$2.00 donation.

Ceramics Display, Work by Elizabeth Magarian, Sampson Art Gallery, Friday, 9:00 a.m. to 4:30 p.m. and Saturday, 10:00 a.m. to 4:00 p.m.

Ken - Did you get the David Report from the National Academy of Sciences?

(Excellent appendix).

Joe Matt at FSU Discuss Math Books

Two semester course for C.S. & Math Majors generally at Eng. level - No calc. requirement. Required of all C.S. & 1 sem required of Math Majors

To solve Undergraduate Math Club Failure -

I Recommend that all Math. Math Majors be required to take a credit Under Math Seminar for at least 3 semesters before graduation. ^{for 5-6 years} They may take it as many as 8 times. Extra strong freshmen may enroll - but most would probably begin sometime after calculus. The seminar each sem would include the following:

over

Saturday, March 9

		<u>Room</u>
7:30	GOVERNOR'S BREAKFAST: Private Dining Room	CUB
8:30-11:45	REGISTRATION AND MAA BOOKSALE	Fac.Lounge,CUB
8:30	BREAKFAST MORSELS: Compliments, Heath Publishing Co.	Stu.Lounge,CUB
9:00-10:00	INVITED ADDRESS: Lynn Steen, MAA Pres. (St. Olaf C).	Chapel,Eliz.H.
10:05-10:50	FLORIDA ASSOCIATION OF MATHEMATICAL EDUCATORS: Organizer, Robert Kalin, President (FL State U). All university, college and junior college faculty are invited to discuss current issues related to mathema- tics education in the State.	Johns Rm.(315) Elizabeth Hall
10:10-10:50	INVITED ADDRESS: Space-Time Geometry. Gregory Galloway (U Miami).	Rm. 205, Eliz. Hall
10:10-10:35	UNDERGRADUATE PAPER SESSION (Pi Mu Epsilon): Organizer, Fredric Zerla (U South FL). Two Telescop- ing Series. Jan Figa (U Central FL).	Rm. 201, Eliz. Hall
10:10-10:20	CONTRIBUTED PAPER: Computers for Communication in Mathematics. Beverly Brechner (U FL).	Rm. 204, Eliz. Hall
10:25-10:35	CONTRIBUTED PAPER: Matrices that Multiply like Rabbits, II. E. P. Miles (FL State U).	Rm. 204, Eliz. Hall
10:40-10:55	CONTRIBUTED PAPER: Using the Computer in Analysis; Chasing Delta through Dirichlet's Function on the MacIntosh. Harold Dansberger (grad stu, Stetson U).	Rm. 204, Eliz. Hall
10:55-11:40	SPECIAL SESSION ON CERTIFICATION: Organizer, Louis M. Edwards (Valencia CC). A panel discussion of current issues relating to a new proposal by the FCTM on Secondary Certification of Mathematics Teachers in the Subject Area. Panel: Prof. Edwards, Don Lichtenberg (U South FL), Tom Denmark (FL State U), and Clem Boyer, Pres. of FCTM.	Johns' Rm.(315) Elizabeth Hall
11:00-11:40	INVITED ADDRESS: Aspects of Legislation Affecting Mathematics Education. The Honorable T. K. Wetherall, Chmn. of Florida House Committee on Higher Education.	Chapel, Elizabeth Hall
11:00-11:20	CONTRIBUTED PAPER: Arcade Games, Kidney Stones & Reflections on an Ellipsoid. A Computer Graphics Demonstration in Color. Arthur Cummer (U FL).	Rm. 204, Eliz. Hall
11:25-11:40	CONTRIBUTED PAPER: The Geometry and Group Theory of Special Relativity. Ernest A. Thieleker (U South FL).	Rm. 204, Eliz. Hall
11:45-12:45	INVITED ADDRESS: Some Problems Neither My Computer Nor I Can Solve - YET. Richard V. Andree (U Okla).	Chapel, Elizabeth Hall
1:00	LUNCHEON and ANNUAL BUSINESS MEETING: (Please reserve and pay for the lunch at Registration.)	Stetson Room, CUB

PROGRAM

FOURTEENTH ANNUAL MEETING

FLORIDA SECTION - MATHEMATICAL ASSOCIATION OF AMERICA



MARCH 13 & 14, 1981

BETHUNE-COOKMAN COLLEGE

GENERAL SESSION I

Friday, March 13, 1981

9:00 A.M.

REGISTRATION DESK OPENS - Foyer
Saturday Luncheon Tickets on Sale - Coffee and Doughnuts -
MAA Portable Library.
Book Exhibits Room 102

12:15 - 1:00 P.M.

PRELIMINARY SESSION - Science Lecture Hall.
"Reports and Discussion on the Fall Mini-Sectional Meetings."
Panel: Dave Sherry, Mark Hale, Bettye Anne Case, P. Lichtenberg,
Bill Caldwell, Jody Anthony and Paul McDougale. Frank Cleaver,
presiding.

1:15 - 2:30 P.M.

OPENING SESSION OF MAA - Science Lecture Hall.
Welcome by the Chairman of the Florida Section, Edwin Duda,
and by Dr. Oswald T. Bronson, President of Bethune-Cookman
College.

INVITED ADDRESS - Dr. Alfred B. Willcox, Executive Director
of MAA, will speak on "Some Bridges to and From Mathematics
or There is a Mathematician Loose in the Supermarket."

(Sessions A, B, C, and D are scheduled simultaneously, beginning at 2:40 P.M.)

SESSION A - CONTRIBUTED PAPERS. Room 101.

Chairman, M. N. Manougian, University of South Florida.

- 2:40 - 2:50 P.M. Withold Kosmala, University of Tampa. "Asymptotic Behavior of n th order Differential Equations."
- 2:55 - 3:05 P.M. M. W. Hudgins, Saint Leo College. "Dense Partitions in Topological Spaces."
- 3:10 - 3:20 P.M. Steven Cunningham, Harris Corporation. "Application of Cepstral Techniques to Rayleigh Wave Multipathing."
- 3:25 - 3:35 P.M. Alan Wayne, Pasco Hernando Community College. "The Relative Frequency of Obtuse Triangles."
- 3:40 - 3:50 P.M. Alice Mason, University of Florida. "Monotone Mappings on n -dimensional Continua."
- 3:55 - 4:05 P.M. David Alon Rose, St. Leo College. "When is Exponentiation Commutative."
- 4:10 - 4:20 P.M. Scott Demsky, University of Miami. "Modular Addition Sets."
- 4:25 - 5:00 P.M. E. P. Miles, Florida State University. "Mathematical Education Applications of Color Graphics."

SESSION B - Room 104

Part I - Contributed Papers

Chairman, Marcus McWaters, University of South Florida.

- 2:40 - 2:50 P.M. Ben Fusaro, Salisbury State College. "Summer Workshops as an MAA Activity."
- 2:55 - 3:05 P.M. Robert Kalin, Florida State University. "Opportunities for Mathematically Talented High School Students Through the National and State Mu Alpha Theta Math Clubs."

Part II - The Association For Women In Mathematics

- 3:15 - 3:55 P.M. Kathleen Timmer, Jacksonville University, will speak on "Groups of Central Type."
- 4:00 - 5:00 P.M. Don Hill, Florida A and M University, will speak on "Women and Mathematics."

SESSION C - INVITED ADDRESSES. Room 215

- 2:40 - 3:20 P.M. Professor Harley Flanders, Florida Atlantic University, will speak on "Some Geometry From My Museum." Introduction by Frederick Hoffman.

3:25 - 4:05 P.M. Professor John Mayer, University of Florida, will speak on "The Fixed Point Property and Embedding of Non-separating Plane Continua." Introduction by Bruce Edwards.

4:10 - 4:50 P.M. Professor Christopher Hunter, Florida State University, will speak on "Mathieu's Equation and its Eigenvalues." Introduction by Charles McArthur.

SESSION D - MATHEMATICS ARTICULATION MEETING. Room 201

2:40 - 3:40 P.M. "Fourth International Congress on Mathematics Education." Panel: Don Hill, Florida A and M University, Moderator; Don Lichtenberg, University of South Florida; Gene Nichols, Florida State University; Betty Lichtenberg, University of South Florida; Ray Roth, Rollins College; Elizabeth Magarian, Stetson University.

3:45 - 4:25 P.M. "Essential Academic Skills for Florida Community Colleges and Universities." Ernie Ross, Clearwater Campus of St. Petersburg Junior College and Etta Mae Whitton, Tallahassee Community College.

4:30 - 5:00 P.M. FJCCTM - Business Meeting. Bill Jordan, President. Seminole Junior College.

5:30 - 7:00 P.M. "GET ACQUAINTED HOUR", Howard Johnson Motel - US92 and I95.

8:30 P.M. MAA FILM SHOWING - Room 215. "What is Mathematics and How Do We Teach It?" and "Challenge In The Classroom, The Methods of R. L. Moore."

GENERAL SESSION II

Saturday, March 14, 1981

8:30 A.M. REGISTRATION DESK OPENS - Foyer

9:00 - 10:00 A.M. INVITED ADDRESS - Science Lecture Hall. Professor Lamberto Cesari of the University of Michigan will speak on "Calculus of Variations: A Twentieth Century View." Introduction by Beverly Brechner.

(Session A, B, C, and D are scheduled simultaneously, beginning at 10:15 A.M.)

SESSION A - CONTRIBUTED PAPERS. Room 101
Chairman, Ralph McWilliams, Florida State University.

10:15 - 10:25 A.M. Edwin G. Landauer and William M. Glasgow, Naval Nuclear Power School. "Results Involving Differences of Squares."

10:30 - 10:40 A.M. Carey Witkov, Broward Community College. "The Laws of Form."

UNIVERSITY OF SOUTH FLORIDA
Department of Mathematics
Tampa, Florida 33620

October 11, 1978

Dear Colleague,

This is the second annual fall newsletter of the Florida Section of the MAA. The executive committee met last spring on the campus of Hillsborough Community College to make plans for the annual meeting of the Section March 2nd and 3rd on the Dale Mabry Campus of HCC. Please mark these dates on your calendar and plan to attend. Three speakers from out of state have accepted our invitations to address the Section. More about the annual meeting in the January and February newsletter.

In 1976 the first Mini-Sectional Meetings were held. The State was divided into seven geographical areas with a fall or winter meeting to be held in each area. The primary purpose of the meetings is two fold: "to get acquainted with your colleagues in your area, and to make it possible for anyone in the State to attend a meeting without extensive travel." All those interested in mathematics or the teaching of mathematics are cordially invited to attend these meetings whether members of MAA or not, in particular, high school and college teachers are encouraged to attend.

Following are the announcements of the Mini-Sectional Meetings, please note the time and place of the one nearest you and make plans to participate:

Northwest Florida Minisection

Place - Pensacola Junior College

Date - February 16, 1979

Organizing Chairperson - Dave Sherry, Math. Department,
University of West Florida, Pensacola, FL 33504

Tallahassee Regional Minisection

Place - Tallahassee Community College

Time - 2:30 to 9:00 p.m. Thursday, November 16, 1978

Organizing Chairperson - Etta Mae Whitton, Math. Department,
Tallahassee Community College, Tallahassee, FL 32304

Program - 2:15 to 6:30 p.m. Registration, general session,
and short talks at TCC.

6:30 to 7:30 p.m. Happy hour

7:30 to 9:00 p.m. Banquet at the Ramada Inn.

The general session will feature a keynote address by Education Commissioner Ralph Turlington, and Professor Frank Proschan of FSU will be the after dinner speaker at the banquet and to which spouses are particularly invited.

Area 3 - Jacksonville

Date - Not decided yet

Organizing Chairperson - Bill Caldwell, Math. Department,
University of North Florida, Jacksonville, FL 32216

Area 4 - Gainesville

Date - Not decided yet

Organizing Chairperson - Charles Nelson, Math. Department,
University of Florida, Gainesville, FL 32611

Central Florida Minisection

The Florida Council of Teachers of Mathematics (FCTM) have their meeting in October and the Central Florida Minisection members are encouraged to attend this meeting.

Date - October 19th through the 21st, 1978

Place - Americana Lodge, Daytona Beach, FL

Organizing Chairperson - Gene W. Medlin, Math Department,
Stetson University, Deland, FL 32720

Suncoast Minisection

Place - University Center, University of South Florida

Date - Saturday, November 18, 1978

Organizing Chairperson - Fred Zerla, Math. Department,
University of South Florida, Tampa, FL 33620

Registration and coffee at 8:30 a.m. The first speaker at 9:00 a.m. and the meeting will close with a luncheon.

Goldcoast Chapter

Place - Downtown Campus of Miami Dade Community College

Time - 1:30 to 8:00 p.m. November 17, 1978

Organizing Chairperson - Paul McDougale, Math. Department,
P.O. Box 249085, University of Miami, Coral Gables, FL 33124

Professor Harley Flanders will be a guest speaker as will Dr. William Palow. There will be paper sessions and panel discussions. Happy hour from 5:45 to 6:45 and dinner at 7:00 p.m.

The membership committee announces a new "ONE ON ONE" campaign for increasing membership. It is advantageous to the mathematical community for individuals to have as much communication with their colleagues, and membership in the MAA provides means for communication. The membership committee strongly endorses the following:

"Every member find at least one colleague not belonging to the MAA, and strongly urge him or her to join."

If such an endeavor were successful, we could double the membership. A membership application form will be a part of the January newsletter.

The Executive Committee has expressed concern about the new State Teacher Certification requirements being formulated, and has asked Professor Lawrence A. Couvillon to prepare a paper informing the membership of these changes. The following is the article prepared by Professor Couvillon, please read it and we would like your comments.

Competency - Based Certification For Teachers: Issues And Trends
by
Lawrence A. Couvillon
Chairman, FCTM Certification Committee

I. An Overview of Competency - Based Teacher Education

When is a person qualified to teach in the public schools? Traditionally, certification has been granted only when necessary courses have been taken in the areas of content, methodology, professional education, and supervised teaching (internship).

Some educators are challenging the inference that the successful completion of a given number of courses insures the acquisition of the skills and competencies needed to be a successful teacher. Course content is often not uniform from school-to-school, or even from instructor to instructor within a given school. Instructors differ greatly in experience and ability. Besides, passing a course means only that a sampling of the course objectives has been mastered, usually only partially mastered. These educators propose, instead, that the profession "spell out", in terms which are observable and measurable, those skills and competencies deemed essential for successful teaching. Then, require that the demonstrated possession of these competencies be the basis for certification.

Critics of competency-based education often point out that the state of the art of "spelling out" essential competencies is not well developed. Proponents as well as critics agree that subtle, "holistic" aspects of learning and teaching are difficult to describe in terms that are observable and measurable. As a result (the critics say), competency-based programs are usually superficial, fragmented, and narrowly-focused.

Such criticisms do not turn aside the forces which promote competency-based programs. Public disenchantment with the quality of education has made "accountability" a rallying point for parents and legislators alike. Can broad-based application of accountability policies be accomplished in the absence of clear statements of needed competencies for teachers and students? Accountability and vague objectives seem incompatible.

For a variety of reasons, the ideal of individualized instruction is being vigorously pursued today. Advocates of competency-based education assent that management and testing difficulties usually associated with individualized programs are lessened when the goals of instruction are defined by a set of clearly phrased behavioral objectives.

Finally, the educational researcher is stymied when key concepts are not made operational. What does it mean to understand? To be a good teacher? To be a good problem solver? To discover? Minimizing the number of undefined terms is clearly a necessary condition for improving the quality of research in education (though certainly not sufficient).

So it seems to any careful observer of educational and political trends that competency-based education is not a movement to be taken lightly. (Neither, of course, should one view it as a panacea for education!)

II. Competency Studies in Florida

A. Introduction

Addressing the educational community in 1975, Commissioner Turlington wrote:

In view of our belief that practicing educators should have a major influence in determining future goals for programs of professional preparation, we have encouraged the Council on Teacher Education (COTE) to conduct a statewide involvement study to determine competencies that are essential and acceptable to the profession. COTE is a statutory body, broadly representative of all groups in education, and is established to recommend policies that will insure the relevancy of teacher education programs.¹

Basically, the Commissioner asked COTE to determine those competencies deemed "minimally essential" for all teachers (generic competencies), as well as those deemed "minimally essential" for teachers in areas of specialization. COTE was further directed to achieve broad-based professional agreement on the selection and validation of the various sets of competencies, with primary input to come from classroom teachers.

From the beginning COTE has taken the charge seriously. Recently Dr. James Richburg, Chairman of COTE, wrote:

It would be difficult to overstate the importance of this study. By asking the professionals themselves, the Council will determine the possibilities for improving or revamping existing systems for preservice teacher training, inservice teacher education, and certification.²

B. The Generic Study

In March, 1975 COTE began the Generic Study. After extensive review of professional journals, college curriculum manuals, and competency studies in Florida and other states, COTE generated a list of forty-eight competencies it considered to be minimally essential for all certified personnel, regardless of area or level.

The forty-eight competencies were submitted to 4500 randomly selected professionals (5% of all certified personnel) for validation. Each participant in the validation survey ranked each competency on a five point scale as: 1) always necessary, 2) frequently necessary, 3) occasionally necessary, 4) rarely necessary, or 5) not necessary. A competency was deemed "valid" if at least 85% of the respondents selected either 1) or 2) and at least 51% chose 1). The sampling process was considered valid if 75% of the randomly selected population responded.

Twenty-three competencies survived the validation process. In March, 1976 COTE recommended and the Commissioner accepted that the 23 Generic Competencies be incorporated in State policy for approval of teacher education programs. One of the competencies involves mathematics. It will be discussed later.

C. The Specialization Studies

The Commissioner asked COTE to select, monitor, and coordinate appropriate groups to conduct the essential specialization competency studies, requesting that all studies be completed by July, 1979.

Any group seeking COTE's approval to conduct a specialization study was asked to write a proposal providing: 1) a rationale that the specialization is unique and worthy of identification as a special certification area, 2) proof that a broad cross section of practitioners and related professionals would be involved in determining and validating the competencies deemed essential for this area, 3) a description of the sources and processes to be used in selecting the competencies, and 4) acceptance of the guidelines for survey instrument construction and data collection established by COTE to insure uniformity.

One important guideline for data collection was that the target population to be used in the validation process must comprise 65 -75% of teachers certified in that area. An important change (from the generic study) was the renaming of the response categories from always necessary, frequently necessary, etc. to essential, very important, could get by without, not needed, and can't rate. Groups conducting specialization studies discovered that many skills, while essential for certification, were not frequently used (e.g., a skill needed to teach biology might not be used frequently by a physics teacher).

In 1977, the Florida Council of Teachers of Mathematics (FCTM) sought COTE's approval to conduct the mathematics specialization study (K-12). COTE authorized FCTM to conduct the secondary mathematics specialization study (7-12). The elementary specialization study (K-6), originally under the umbrella of the general elementary/early childhood competency study, was awarded to FCTM in Summer, 1978. Committees composed of mathematics teacher educators, classroom teachers, supervisors of mathematics, curriculum coordinators, and consultants from the State Department of Education (DOE) are now in the process of generating the list of competencies deemed minimally essential for teachers of mathematics. The committees have used sources from NCTM, FCTM, CUPM, AAAS, as well as competency lists generated by other states. Both committees expect to complete tentative lists by December. Other critical dates in the schedule are: 1) limited field-testing in January, 1979, 2) revision of tentative list by February, 1979, 3) validation surveying in April, 1979, and 4) recommending to COTE in Summer, 1979.

The target population for the secondary validation survey will number 1000, with 70% of the randomly selected sample being classroom teachers certified to teach secondary mathematics. The remaining 30% will be selected with equal allocation (5%) from the following groups: 1) mathematics teacher educators, 2) university/college/junior college mathematics teachers, 3) supervisors of mathematics, 4) secondary school principals; science, business and industrial arts teachers, 5) curriculum coordinators, and 6) practitioners in the areas of instructional design, research, measurement, and statistics.

III. Competency Testing in Florida

Since 1975, COTE and DOE have been preoccupied with the monitoring and coordination of the competency studies. Policies and procedures for testing the validated competencies have been slow in developing. With the recent passage of CSSB 549 by the Florida Legislature, attention will start shifting to testing. DOE has been directed to develop written and performance examinations for the 23 Generic competencies, to be passed by all persons seeking regular certification after June, 1980. The time lines are July, 1980 for the written part, and July 1981 for the performance part. DOE is required to submit to the legislature by February, 1979 proposed rules for the exam-

inations. Informed sources in DOE and COTE predict that mandated testing for specialization competencies will probably follow a year or two after the deadlines for the generic testing, probably in 1982 and 1983 respectively for the written and performance parts.

Policies which seem to be evolving regarding testing are:

1) The competency tests are not meant to replace courses, nor are they meant to limit teacher training. Addressing this issue, Dr. Garfield Wilson, COTE administrator, wrote:

The competency statements are broad enough to allow each institution some leeway in reaching training goals. The intent is not to limit the preservice and inservice training of teachers, but merely to assure that, at a minimum, specified competencies are included in that training.

2) The present law (CSSB 549) does not effect teachers already certified. The position of COTE is that the competency studies will not be valid if professionals voting on the competencies think that they will have to pass the competencies themselves! Knowledgeable sources in COTE and DOE concede that the political climate in Florida could change the requirement and include all teachers.

3) Test construction will follow this procedure:

a) Validated competencies (usually fairly general) will be broken into subskills or enabling competencies.

b) Validation surveys (similar to the original survey) will determine the extent to which a given subskill relates to the validating competency. A majority of the respondents must choose either essential or very important (a somewhat easier requirement than the original validation).

c) Measurement experts in DOE, in consultation with the original competency study group, will develop test specifications and test items.

4) Who will actually administer the test? For a number of subtle and complicated reasons, the Deans of the Colleges of Education in the state have asked that they not be responsible for the test administration. Legislative subcommittees are in agreement with their stand. It is possible that some national group with experience in mass testing (like ETS) will administer the written part (using test items generated as described above). The performance part of the exam may be evaluated in a full year internship, if COTE's plans are accepted by the legislature.

IV. Implications for the Mathematical Community

A. Consequences of the Generic Study

One of the 23 Generic Competencies relates to mathematics: #5, which originally read, "The ability to add, subtract, multiply, and divide"; changed later in CSSB 549 to read

Demonstrate the ability to comprehend fundamental mathematical concepts.

This validated generic competency has been broken into the following subskills:

1. Add, subtract, multiply, and divide whole numbers, decimals, and fractions.
2. Demonstrate the meaning and use of fractions and percents.
3. Represent and interpret data using charts, tables, graphs, and maps.

4. Solve measurement problems involving length, area, volume, capacity, weight, time, and temperature, using U.S. customary and metric units.
5. Apply mathematical skills to solve real world problems.
6. Identify geometric forms and relationships.

The skills were submitted to 1000 professionals, randomly selected, for validation (i.e., relatedness to competency #5. The results will be available shortly.

Recommendations to MAA:

1. Develop a position on whether MAA should give input into test construction and/or administration.
2. Begin considering the mechanisms (courses, etc.) by which students are given instruction in the subskills above.

B. Input into the Specialization Studies

The process of generating the mathematics/mathematics education competencies has not been completed. If MAA wished to give input -

Recommendations to MAA Involvement:

1. Send a representative to the next meeting of the Mathematics Competency Study Groups, to be held in Gainesville December 11, 12.
2. Begin discussions now concerning MAA's desired role in the competency test construction and administration. The legislature has a habit of setting tight time lines. Giving input to legislature committees and COTE now may keep MAA from reacting to unwise policies later.
3. Work with FCTM to insure that "minimal essential competencies" never become "adequate" or "ideal" competencies.
4. Take a hard look at the content courses that you are offering prospective teachers. From an "accountability perspective," can your department honestly say that the courses offered contribute to the students' professional education? If MAA is ever put in a position of requesting that COTE accept some competencies that did not survive the validation process, will its arguments be persuasive?

For further information, write:

Dr. Lawrence Cuvillon,	<u>both in</u>
Chairman, Secondary Competency Study Group	Mathematics Education Program
or	Florida State University
Dr. Janice Flake,	Tallahassee, Florida 32306
Chairman, Elementary Competency Study Group	Ph. 904-644-6553

When writing to COTE, write to

Dr. Garfield Wilson, Administrator
COTE
410 Knott Building
Tallahassee, Florida 32304
Ph. 904-488-5701

A note on the three footnotes: All three quotes are taken from general information sheets accompanying the various validation surveys. Copies are available.

FLORIDA SECTION
MATHEMATICAL ASSOCIATION OF AMERICA
FOURTH ANNUAL FALL NEWSLETTER

The minisectional meetings have become an integral part of the Section's activities. They furnish an opportunity for people interested in Mathematics at various levels to attend a local meeting and become acquainted with their fellow mathematicians in the area. Each year these meetings are attracting more people, and the programs are exceptional. Something of interest for everyone.

Following are the announcements of the upcoming meetings, please note the time and place of the one nearest you and make plans to participate. We also want each of you to tell your colleagues of these meetings and in your travels about the state make people aware of these meetings.

Tallahassee Region Fifth Fall Meeting

Thursday Afternoon - November 6, 1980
Tallahassee Community College

Program Highlights:

1. 2:15 - 5:00 Registration & Refreshments
2. Films from 2:15 - 5:00 P.M.
3. Five Sessions of 15 minute talks (21 Talks)
4. A 45 minute Articulation Panel Discussion
5. At 6:15 a Social Hour & Buffet Dinner (7:00 pm) and an after-dinner speaker. Professor Kathleen Dragan will speak on "The Archaeological Investigation of 16th Century Spanish Florida."

For Banquet Reservations contact - Perrin Wright, FSU Math and computer Science, Tallahassee, Fl. 32306.

Gainesville Area Minisection

Wednesday Afternoon, 3 P.M. - November 19, 1980.
Lake City Community College

Program Highlights:

1. A Minicomputer Workshop. Twenty stations and everyone participates. Workshop to be conducted by Jim Bachman,

Lake City Community College, Dennis Dormady, Columbia High School, Ray Bolduc and Mark Hale of University of Florida.

2. Social Hour and Dutch Treat Dinner - contact Jim Bachman for details.

Suncoast Minisection

Friday 3:00 to 9:00 P.M. - December 5, 1980
University of South Florida

Program Highlights:

1. Panel discussion regarding the crisis in supply and demand of secondary teachers.
2. Bull sessions in which participants will be divided into groups of 10 to 15 persons.
3. Talks of 15 and 30 minutes.
4. Social Hour and Banquet with an after dinner speaker. The banquet will cost approximately \$5.50 per person and families or friends of participants are invited.

The planning committee invites interested persons to submit proposals for papers or talks. Topics of new mathematical or pedagogical nature at all levels are sought. Send talks to D.R. Lichtenberg, Dept. of Math Education, University of South Florida, Fl. 33620

Goldcoast Section

Friday 1:30 - 5:30 P.M. - November 21, 1980
Broward County Campus of Florida Atlantic University.

Program Highlights:

1. Panel Discussion on "Essential Academic Skills."
2. Presentations on "Computers & Mathematics" & "Participation of Women in Mathematics Related Fields."
3. Sessions of 15 minute papers.
4. Invited address by Professor James Keener, University of Utha will speak on "Earthquakes, Traffic Jams, Forest Fires,..., Some Aspects of the Mathematics of Wave Propagation."

Central Florida Minisection

Friday Afternoon 2:30 to 9:00 P.M. - January 23, 1980
University of Central Florida

Program Highlights:

1. Registration and purchase of banquet tickets.
2. Panel Discussion "Trends in Calculus."

3. Session with prepared papers.
4. Panel Discussion on "Math Anxiety."
5. Social Hour and Banquet with an after dinner speaker.

For information contact Louis Edwards Valencia Community College.

Northwest Florida Minisection.

Date and place not decided yet.

Organizing Chairman, Dave Sherry, University of West Florida.

Northeast Florida Minisection

Date and place not decided yet.

Organizing Chairman, Bill Caldwell, University of North Florida.

Officers of the Section.

Chairman:	Edwin Duda, University of Miami
Chairman Elect:	Robert Gilmer, Florida State University
Past Chairman:	Fredrick Hoffman, Florida Atlantic University
Vice Chairman	Ernie Ross, St. Petersburg Junior College
	Raymond Roth, Rollins College
Governor:	Beverly Brechner, University of Florida
Secretary-Treasurer:	Frank Cleaver, University of South Florida.

Annual Meeting.

The annual meeting of the Florida Section will be held March 6th and 7th at Bethune-Cookman College, Daytona Beach. Plans for the meeting are being completed and it promises to be one of the best ever. Mark these dates on your calender and don't miss it. Speakers who have already agreed to address the Section are:

Dr. A.B. Willcox, Executive Director of the MAA.
Professor Paul Halmos and Professor Lamberto Cesari.

Newsletters

Early in January we again plan to send our "newsy" newsletter containing the activities of the Section and its members. If you have any items of interest please send them to Frank L. Cleaver, Math Dept., University of South Florida, Tampa, Fl. 33620

Late in January we will send a newsletter with information concerning the Annual Meeting including motel information and a map to direct you to the buildings.

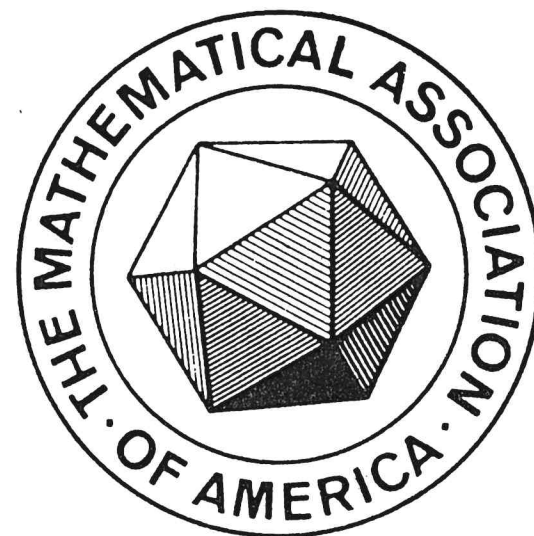
Please Help the MAA Grow:

We solicit your help in recruiting new members of the Association.

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FLORIDA SECTION **NEWSLETTER**



Jan. 1979

keep at home

Frank L. Cleaver
Department of Mathematics
University of South Florida
Tampa, Florida 33620

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PROF F L CLEAVER
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DEPT OF MATHEMATICS

Florida Section, MAA

January 1979

Vol. 1 _____ No. 1 _____

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5. The One on One Membership Drive
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Editor: F. L. Cleaver, Secretary-Treasurer
Department of Mathematics
University of South Florida
Tampa, Florida 33620

THE ANNUAL SECTION MEETING

The twelfth annual meeting of the Section will be held on March 2, 1979, starting at noon and March 3, from 9:00 A.M. until 2:00 P.M. at the Dale Mabry Campus of Hillsborough Community College. A second newsletter later this month will furnish motel information, a map of the area, details of the meeting, and things to do in the Bay Area. MARK THESE DATES ON YOUR CALENDAR and begin making plans now to attend.

Three outstanding professors have accepted invitations to give addresses during the two days of the meeting. They are Peter Hilton of Case Western Reserve University, Calvin Lathan of Monroe Community College and David Blackwell of the University of California at Berkeley.

There will be contributed papers, invited addresses by professors from the State of Florida and by members of Pi Mu Epsilon, and a Statewide Conference on Mathematics Articulation. There will be four sessions going simultaneously so that wherever your interests lie, from pedagogy through research, you should find something of interest. So plan to join us in Tampa and bring a colleague with you.

A CALL FOR PAPERS

Ten minute contributed papers by members and non-members of the MAA are solicited for the annual meeting, March 2nd and 3rd, 1979. Papers may be of a research or pedagogical nature, and papers by students are particularly encouraged. All Chairmen of Departments that have graduate programs are encouraged to have their graduate students present papers. This is good experience

for the student; they can try their wings here before attempting a National meeting.

Those wishing to present a paper should send the title to the secretary of the Section, Frank L. Cleaver, Department of Mathematics, University of South Florida, Tampa, Florida 33620, before the deadline of February 16, 1979.

DISINTEGRATION BY PARTS*

or

How to Get Nowhere

If $f(x)$ is differentiable and $x \neq 0$, consider

$\int (f(x)/x) dx$. Let $u = f(x)/x$, $dv = dx$. Then

$du = (f'(x)/x - f(x)/x^2) dx$, and $v = x$. Hence,

$\int (f(x)/x) dx = f(x) - \int f'(x) dx + \int (f(x)/x) dx =$

$\int (f(x)/x) dx$.

*Arthur Unk Nown - Reprinted from the Louisiana-Mississippi Section Newsletter, Vol. 1, No. 2, 1978.

FLORIDA SECONDARY SCHOOL LECTURE PROGRAM

The Florida Section of the Mathematical Association of America, in conjunction with the Florida Council of Teachers of Mathematics, is encouraging greater interaction between mathematics teachers at the secondary and college levels. We hope that secondary teachers will invite college

teachers to their schools to share information with their colleagues and/or classes.

To facilitate this process, we have asked each college chairperson to designate a faculty member as the "contact" for this program. An interested school teacher simply writes or phones the mathematics department saying that he is interested in the FSSLP. The "contact", having been alerted by the mathematics department secretary, then arranges a visit by a colleague to the interested school.

Some institutions are participating vigorously while others are doing very little. We are simply encouraging school and college teachers to get together. Although no remuneration is provided by the FSSLP and none is expected from the host school, the benefits to the teachers, institutions and students are obvious. Good Luck!

If you have any questions concerning this program write to:

Don Hill, Chairman
Florida Secondary School Lecture Program
Math Department
Florida A & M University
Tallahassee, Florida 32307

THE ONE ON ONE MEMBERSHIP DRIVE

The membership of the Florida Section of the MAA has remained approximately the same (450 members) for the last five years. We think it should be growing. Benefits of membership are many. The MAA publishes three journals: Monthly,

Two Year College Mathematics Journal, and Mathematics Magazine, and many books. To see and purchase books from this library attend the annual meeting where the books are displayed, or purchase by mail. It is the only organization that holds an annual meeting and area mini-sectional meetings in Florida designed for the public school teachers, the two-year college teachers, the four-year college teachers and the university teachers to attend. The MAA is vitally interested in teaching at all levels, and the MAA is the only organization that does not compartmentalize mathematics education.

We want to urge each of you to choose one or more of your colleagues who are not members in the MAA and to give him or her the hard sell. A membership application form is included in this newsletter on page 8, just tear it out and give it to them. A colleague who has been borrowing your journals would seem to be an excellent candidate.

PLEASE, each one of you take a moment to think of someone who would be a good candidate for membership and encourage them to join the MAA. You will be bringing them into an organization that is truly concerned with mathematics education at all levels.

If you need more membership application forms or brochures on the activities of the MAA, contact the MAA Department Representative on your campus or write to the Secretary, Frank L. Cleaver, Mathematics Department, University of South Florida, Tampa, Florida 33620.

MESSAGE FROM THE GOVERNOR

Dear Members of the Florida Section of the

Mathematical Association of America:

Many of you who attended the annual meeting of Florida MAA held last March at the Clearwater Campus of St. Petersburg Junior College will remember the appeal made to our chapter and to individual members to support the fund drive to buy a building in Washington as headquarters for National MAA. I am happy to report that this effort was successful, the building has been purchased, and the Executive Secretary and his staff have moved in. If you visit Washington you are welcome to visit this historic building (once the home of Secretary of State John Hay) which is now our National MAA Headquarters.

An activity of Florida MAA which is being watched with interest by the Board of Governors is our program of Mini MAA meetings. I am pleased to report that the Mini MAA meeting of my area of the State held in November in Tallahassee was very successful. Commissioner of Education, Ralph Turlington, gave the opening address on the topic, Florida's student assessment program in the high schools. The attendance of high school teachers at this meeting was gratifying.

The winter meeting of National MAA, held in conjunction with the American Mathematical Society and the National Council of Teachers of Mathematics, will be held January 26-28, 1979, at Biloxi, Mississippi. This should be a rewarding and enjoyable meeting. It is conveniently located for us Floridians. I hope to see many of you there.

It is a goal of both National and Florida MAA to have an MAA representative from amongst its members at each college in Florida. These MAA representatives are recommended to the National President of MAA by the Florida Governor and are

appointed by the National President approximately every three years. Florida has about 45 MAA representatives at the present time and should have more.

ATTENTION MAA REPRESENTATIVES:

A get acquainted breakfast is being planned for the Florida MAA representatives for Saturday morning of our annual Florida MAA meeting March 3 at the Dale Mabry Campus of Hillsborough Junior College. You will get more details later.

I would like to extend to each and every one of you best wishes for the New Year.

Sincerely yours,

Charles W. McArthur
Governor, Florida Section, MAA

NOTE FROM THE SECRETARY

Beginning in next year's newsletter we will have a section on news from the campuses. MAA representatives on each campus will be asked to prepare and submit items of general interest. The Michigan Section has an excellent format for such, which is here outlined:

Personnel Changes

New Members of MAA, Promotions,
Resignations, On Leave, Visiting,
Retirements, In Memoriam, Other.

Speakers in Campus

Positions to be filled.

Enrollments

Other news from the campus

Also the Michigan Section has an Ideas Exchange, a sort of Letters-to-the-Editor-Section which is mainly concerned with classroom activities.

Professor Dwight B. Goodner has retired from Florida State University. To honor Professor Goodner lectures by prominent mathematicians were given April 28, 1978 followed by a banquet. Even though Professor Goodner may not be in the class room we hope to have his presence and expertise in the MAA for many years to come.

Professor Don Hill of Florida A & M University has recently been appointed to a national committee of the MAA by President H. L. Alder, called "The Committee on Improving Mathematics Remediation Efforts in Colleges". Hopefully this committee will assist the MAA in playing a leadership role in this important area.

OFFICERS OF THE SECTION

Chairman, George Lofquist - Eckerd College

Chairman Elect, Fredrick Hoffman - Florida Atlantic U.

Past-Chairman, Beverly Breckner - U. of Florida

Vice-Chairman, Roy Raines - Manatee Jr. College

Vice-Chairman, John Leeson - U. of North Florida

Secretary-Treasurer, Frank L. Cleaver - U. of So. Fla.

Governor of the Section, Charles McArthur - Fla. State

Note: Comments or suggestions for the operation of the Section and its activities should be sent to one of the officers; we need all the help we can get.

MEMBERSHIP APPLICATION FORM

From the by-laws of the Association

Art. II, Sec. 2 Any person interested in the field of collegiate mathematics shall be eligible for election to ordinary membership in the Association.

Sec. 4 Election to membership shall be by vote of the Board upon written application from the individual seeking admission. In the case of individuals qualifying for student dues the application shall be endorsed by two ordinary members of the Association.

Art. VIII, Sect. 1 The Board shall establish the annual dues and privileges of membership for ordinary members. The dues of ordinary members shall include a subscription to one of the official journals

- The Board has set the annual dues for ordinary members at the rates specified on the form.
- The membership year is a calendar year. Members entering the Association between November 1 and March 31 should send one year's dues with this application; the MONTHLY will be sent beginning with the nearest January issue.
- Members entering between April 1 and October 31 may, if they wish, send a payment covering dues for one and one-half years, at the appropriate rate; the MONTHLY will then be sent beginning with the nearest June issue.
- + Student Membership is available to high school and under graduate students and students regularly enrolled in graduate study at least half-time. Student dues are also available on request to unemployed mathematicians for a period of up to two years. The unemployed status refers to anyone currently unemployed and actively seeking employment. It is not intended to include members who have voluntarily resigned or retired from their latest position.
- Δ Applicants for Student Membership must be nominated by two members of the Association. Nomination implies affirmation that the applicant qualifies for this special membership under the definition stated above (+)

NOMINATION FOR STUDENT MEMBERSHIP

We the undersigned members of the
Association recommend that this
application for Student Membership
be approved. Δ



October 10, 1966

TO: The members of the M. A. A. living in Florida

During the past year considerable thought and discussion has been given to the possibility of establishing a Florida Section of the Mathematical Association of America. At the meeting of the Southeastern Section of the M. A. A. held at Emory University in March, 1966, considerable support was voiced for such a move. The reasons advanced in support of the formation of the Florida Section of the M. A. A. centered on the following observations:

- (1) The mathematical community in Florida has grown in numbers and in quality to such an extent that it can adequately support a state section of the M. A. A.
- (2) The large numerical size of the Southeastern Section makes it difficult for the Florida members to participate in an appropriate way in the programs of the meetings.
- (3) For members residing in Florida, the problem of coordinating curricula and exchanging information on instructional and professional matters would be expedited by the formation of such a Section.
- (4) The large geographical area of the Southeastern Section makes attendance at the section meetings very difficult for many members who live in Florida. This is especially true for those for whom the M. A. A. is the most appropriate of the professional mathematical organizations.
- (5) There are now 30 public and several private junior colleges in Florida. The members of the mathematics staffs at these colleges need the opportunity for affiliation with an organization of professional mathematicians. This group can be better served by a Florida Section than by the present large Southeastern Section.

The By-Laws of the M. A. A. provides that "Any group of not less than ten (10) members of this Association may petition the Board (of Governors) to organize a Section of the Association for the purpose of holding local meetings. The Board shall have power to specify the conditions under which such authority shall be granted."

The Board of Governors will naturally be guided in its decision as to whether or not to authorize such a new section by the viewpoints expressed by the members of the Association residing in the proposed section.

We are asking that you give the proposal to establish a Florida Section of the M. A. A. your serious consideration and let us have the benefit of your opinion on this matter. Please indicate your opinion on the enclosed stamped postal card and return it to Professor Howard E. Taylor at Florida State University by November 1.

Thank you

Mary Catherine Brown, Indian River Jr. College
Frank Cleaver, University of South Florida
W. A. Gager, University of Florida
O. G. Harrold, Florida State University
David Howard, Miami-Dade Junior College
John Maxfield, University of Florida
Eugene Nichols, Florida State University
Agnes V. Rickey, Dade Co. Public Schools
Howard E. Taylor, Florida State University
A. D. Wallace, University of Miami

FLORIDA SECTION
MATHEMATICAL ASSOCIATION OF AMERICA
NEWSLETTER

I. The FIRST ANNUAL MEETING of the Section will be held at Miami-Dade Junior College, South Campus on March 22 - 23, 1968. An outline of the program is given below. The detailed program will be mailed to members during the first week in March.

Friday, March 22, 2:00 - 5:00 p.m.

Sessions for contributed papers

Invited address - Professor L. Fuchs, University of Miami,
Vice-Chairman of the Section.

Saturday, March 23, 8:45 a.m. - 12:30 p.m.

Sessions for contributed papers

Invited address - Professor E. E. Moise, Harvard University
President of the Mathematical Association of America

Expository and Pedagogical

Session on Linear Algebra - Professor John Moore, University of Western
Ontario

- Professor T. L. Wade, Florida State University

Session on the Computer and Its Uses

Saturday, March 23, 1:00 p.m.

Luncheon and ANNUAL BUSINESS MEETING

II. CONTRIBUTED PAPERS by members (and non members introduced by a member) of the Association are solicited. These papers may be of a research, pedagogical, classroom or mathematical note, or expository nature. Normally the papers will be limited to ten minutes. Those wishing to present a paper should send the title to the Secretary of the Section, Howard E. Taylor, Department of Mathematics, Florida State University, Tallahassee, 32306, before the DEADLINE, FEB. 16, 1968. The author should indicate the category of the paper (research, expository, etc.) and should prepare an abstract to be sent to the Secretary not later than March 15, 1968. The abstract should not exceed 100 words, compressed, if possible, into a single paragraph, should contain no demonstrations, and should be written in the third person.

III. ACCOMMODATIONS. The South Campus of Miami-Dade Junior College is located at 11011 S.W. 104th Street, several miles southwest of downtown Miami and west of Coral Gables. There are no hotels in the immediate vicinity of the College; the nearest motels are located in Coral Gables.

The hotels and motels listed below are holding rooms for MAA members at the rates indicated PROVIDED RESERVATIONS ARE RECEIVED PRIOR TO MARCH 1, 1968. Persons planning to attend the meeting should make their own reservations directly with the hotels or motels and should identify themselves as members of the Florida Section of the Mathematical Association of America.

For those persons attending the meeting who will not have transportation, the faculty and students of Miami-Dade Junior College will provide transportation to and from the Biscayne Terrace Hotel in downtown Miami. Therefore, all those who will not have transportation available should make reservations at one of the downtown hotels.

	No. of rooms held for MAA	Double	Single	
In downtown Miami				
Biscayne Terrace Hotel 340 Biscayne Blvd. Miami	60	\$14	\$10	parking
Colonial Hotel 146 Biscayne Blvd. Miami, Florida	50	\$14	\$10	
In Coral Gables				
Howard Johnsons 1430 S. Dixie Hwy. Coral Gables	30	\$20		parking
Holiday Inn 1350 S. Dixie Hwy. Coral Gables	20	\$26-28		parking
University Court Motel (Quality Courts) 1390 S. Dixie Hwy. Coral Gables	10	\$18-20-23		parking

IV. INVITATIONS FOR THE SPRINGS, 1969, MEETING are being accepted by Professor David L. Howard, Chairman, Department of Mathematics, Miami-Dade Junior College, South Campus, 11011 S.W. 104th Street, Miami, 33156. If any college or university wishes to host the Florida Section in the Spring of 1969, an invitation from an appropriate administrative officer should be sent to Professor Howard, Chairman of the Committee on Meeting Sites, as soon as possible.

V. The Newsletter is mailed to all members in the Section and to others on request. Each member is asked to disseminate information about the meeting and about the Section to non members. Since the mailing list may not be up-to-date, the Secretary requests your cooperation in passing this information along if you know of someone who should have received the Newsletter, but did not. The Secretary will appreciate receiving the names of any members of the Association living in Florida or the Caribbean area who did not receive the Newsletter.



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DEPARTMENT OF MATHEMATICS
TAMPA, FLORIDA 33620

813: 974-2643

The history of student participation in Florida Section Meetings

Student Chair

*Send letter of Commendation
to President of U
for student
paper*

In a letter to the MAA Sectional Officers, dated December 3, 1973, Houston T. Karnes, then President of Pi Mu Epsilon Fraternity, Inc., asked that students be allowed to participate in Sectional Meetings because no summer joint meeting would be held in 1974. The International Congress of Mathematicians meeting in Vancouver that summer had preempted the annual Summer Meeting and with it, the Pi Mu Epsilon Student meeting. A previous letter from Richard V. Andree, then Secretary-Treasurer of Pi Mu Epsilon Fraternity, Inc., had offered financial aid for regional student meetings and suggested that such meetings might be combined with Section Meetings. The Executive Council of the Florida Section decided to include student participation in the Florida Section Meeting at Gainesville in March 1974. Accordingly, Dr. Frank Cleaver, Secretary of the Florida Section wrote to the Faculty Correspondents of all the Pi Mu Epsilon Chapters in Florida requesting titles for 10 minute student papers. There was no response.

The next year, we changed our tactics. Instead of Dr. Cleaver, as Secretary of the Florida Section, contacting the Faculty Correspondents, I did it, as representative of the Florida Epsilon Chapter. The name was changed from "student papers" to "student talks" (less intimidating). The duration of the presentations was changed from 10 minutes to 25 minutes. A special session was set aside for these presentations: Session C on Saturday Morning from 10:15 till 11:40. This session is now called "The Pi Mu Epsilon Session." In order to remove the threat of originality, we stated that we were "looking for talks that would be at the level and quality of your best student presentation of the year. These papers do not have to contain

original work and may be expository in nature." With these changes, and several phone calls, we had three student papers presented at the 1975 meeting in Bradenton. The presentations were excellent, but the size of the audience was disappointing. We were competing with three other sessions, two "Contributed Paper" sessions and the "Articulation Conference."

The response to the call for student talks at the 1976 meeting at Florida A&M in Tallahassee was not what we had expected. Three student talks were given, but all three came from our chapter at USF. We had no response at all from the other Pi Mu Epsilon Chapters in Florida. I realized then that the problem of obtaining student presentations at sectional meetings runs much deeper than just announcing that these meetings are open to students. If such presentations are not encouraged and developed at the campus level, then no amount of persuasion at the sectional level can produce them. The next step, then, was to encourage the development, often the redevelopment, of math clubs in general and Pi Mu Epsilon chapters in particular at college campuses throughout the State. This has not been easy as all we can do is to "encourage" such development, we cannot go on to campus and do it. Unless the campus has some faculty member willing to assume this responsibility, it will not be done. I have met official reluctance ("a faculty member who messes around with Pi Mu Epsilon had better be careful. He/She should be doing something useful.") and discouragement ("we tried to resurrect our Pi Mu Epsilon Chapter, but the students will not come to meetings."), but mostly I meet apathy. It is hard work, and usually unrecognized hard work. Too often faculty sponsors are looked upon as engaged in fun and games. Their activities with students are tolerated as aberrations instead of encouraged as education. We are most fortunate here at USF that our administrators actually believe their rhetoric that work with students is valuable, but not every campus is so lucky.

A young faculty member at the University of Florida and another at the University of North Florida have rebuilt the Pi Mu Epsilon Chapters in these two schools. These two, with the University of South Florida Chapter, have peopled the Pi Mu Epsilon Sessions in the Florida Sectional Meetings of 1977, 1978, and 1979. These three meetings have all been held in the Tampa Bay area where many community college instructors attend the Sectional meetings. Because the Pi Mu Epsilon Sessions consist of talks that are not as specialized as those in the Contributed Papers Sessions, our audience has increased.

The Pi Mu Epsilon Session has been on the program of the Florida Section Meetings for five years now. We feel it has been a success, that we have learned much about how to encourage student participation, and that we have not yet achieved the level of success with which I would be satisfied.

June 14, 1991

Professor Lee H. Armstrong
R.R. 1
Mount Stewart
PE1 COA 1 TO
CANADA

Dear Lee:

I hope that I am not imposing too much on your vacation, but the National Service Award crept up on me. In the back of my mind, I had been thinking that it was due into the National Office in October, but Ernie phoned earlier this week that it is due on June 20th, that the State award is due in the autumn. Ernie and I discussed long and hard about who has performed service of such quality as to merit the award. Unfortunately, the only model we have is Frank Cleaver, who, to my mind, is an almost impossible act to follow. I tried to contact you, but your office finally decided that you were in Canada and they were kind enough to obtain an address where you might be reached. I regret that you cannot be in on the decision, but I certainly want you to know what is going on.

As you realize, there is a certain awkwardness about the whole award procedure. Here at USF, when I am asked to evaluate some candidate or other, I have a full vita and letters of support. None of that is possible with these awards. I suppose that is why the Florida Section asks old people like the three of us to decide. They must feel that "gut feelings" are sufficient.

In our deliberations, our first decision was that the award should go to someone recent. The founders of the section were all worthy people, but we were just not aware enough of their contributions to recommend a national award (thus, a problem with a lack of documentation). On the other hand, all these people had been given state awards, so we have not left them unrecognized. We narrowed our inspection to three people who are, in alphabetical order, Robert Gilmer, Don Hill and Ralph McWilliams. Robert Gilmer sent us each a note, yours is probably waiting for you in your office, stating that he phoned Don Hill to find out why he had missed the last two state meetings. Don said that with two children in college, he was financially strapped. Florida A&M has never paid his travel expenses. Robert then suggested Don for the national award.

After a considerable weighing of the merits of the candidates, Ernie and I decided we would choose Robert Gilmer.

Among the reasons I had for my choice were that he has been both president and governor. Further, he is an active research mathematician who is deeply involved with the Section. So many of the active researchers in Florida do not have much to do with the Section. He has been deeply involved with many activities of the section. A few years ago, he organized, or at least, helped to organize, the Emmy Noether Conference at the state meeting. He pushes graduate students to contribute. Here again, I am using "gut feeling", because I could certainly mount a credible defense of each of the three candidates, I just feel the most comfortable with Robert.

After Ernie and I made our decision, I phoned Dave Sherry and Marilyn Repsher, the Governor and President, respectively, of the Florida Section. After pondering worthy of the dignity of the national award, each of them agreed with our choice. I have a phone call in to Bettye Anne Case, and I am mailing this letter to you before I hear from her, but I doubt that she will gainsay it. I also intend to ask her to write the 300 word biography that the National requires. She, after all, has access to Robert's vita.

So, there it is. I deeply regret my tardiness that forced a decision without your input. I just plead too many deadlines and too few working brain cells. I became confused on dates. I would very much appreciate your taking a few minutes from your vacation to drop me a note telling your feelings on the matter.

As to the State Award, which does have some time yet, Ernie and I are seriously considering Beverly Brechner, who is the only past president/governor not yet so honored. Incidentally, we did initially consider Beverly for the National Award, but she did not make our Final Three.

I trust that you are enjoying your vacation in the cool of Canada. I hope I have not disturbed your tranquility unduly.

Sincerely yours,



Fredric Zerla, Chair
Awards Committee
The Florida Section
The Mathematical Association of America

xc: Ernest Ross



The Florida State University
Tallahassee, Florida 32306

Department of Mathematics
and Computer Science
(904) 644-1898

April 20, 1983

Professor Fredric J. Zerla
Department of Mathematics
University of South Florida
Tampa, Florida 33620

Dear Fred:

On behalf of the Florida Section of MAA and also personally, I want to thank you for organizing, chairing, and reporting on the session for undergraduate papers, sponsored by Pi Mu Epsilon, at the MAA meeting held here in Tallahassee last month.

Your leadership in this vitally important area is deserving of the section's profound gratitude. Surely the nurturing of the next generation of mathematicians is one of the most valuable things the section can do.

I look forward to your continuing with the undergraduate sessions and also am very happy that you will be working generally on the program in your capacity as vice-president-elect for programs. I am glad that we will continue to work together.

Sincerely,

Ralph

Ralph McWilliams
Secretary-Treasurer
Florida Section, MAA

2/11/83

Fred,

I read in the "newsletter"
today that you have been
nominated for Vice-Chairman
Elect of the MAA-FL.

Congratulations. The
Nominating Committee has
chosen wisely and I am
certain the membership
will concur. See you soon.
Bon courage!

Don Hill

The Mathematical Association of America

(INCORPORATED)

A. B. Willcox
Executive Director



1225 Connecticut Avenue, N. W.
Washington, D. C. 20036
(202) 223-1977

To all MAA Representatives

Dear Colleague:

About a month ago I sent a copy of the enclosed letter from Harley Flanders, editor of the MONTHLY, to your department chairman, together with a supply of application blanks for membership in the Association. I am writing to you now to urge you to follow up your chairman's efforts to invite faculty and students in your department to become members.

I believe that Flanders' letter states very well some of the advantages of membership in the Association. I do not need to point out to you that the ability of the Association to fulfill the goals which are its *raison d'être* depends largely on its membership. We do not seek size merely for the sake of size, but we do seek to reach as many individuals concerned with collegiate mathematics as we can. Every new member is another copy of the MONTHLY in circulation, and the MONTHLY is our principle vehicle for the exchange of information and ideas which is most needed for the overall improvement of mathematics in our colleges and universities.

I realize that it has been a long time since our office has written to you about your activities. Blame the long silence on the prolonged preoccupation with the organizational and geographic changes which have occurred and are still taking place in the administration of the Association. I hope that you will feel free to write to me at any time concerning your problems and opportunities in representing the Association on your campus.

Finally, let me make one remark which may be helpful to you in discussions with colleagues concerning the desirability of membership in the Association. I have been quite struck recently by the realization that to my knowledge the MAA is the only professional society in the sciences which is dedicated solely to the improvement of education. We try to be of service to our members, of course, but we are not an association to represent the interests of mathematicians, to lobby on behalf of the mathematics community or to advertise the wonders of mathematics to the world. The MAA exists to improve the quality of mathematics in our colleges and universities and all its efforts are directed to that end. No mathematics teacher is too insignificant or ill prepared to benefit from these efforts, and no research mathematician is too great to contribute to these goals. Each can find opportunities through membership in the MAA which he cannot find elsewhere.

We hope you will represent the MAA with pride and enthusiasm!

Sincerely,

A. B. Willcox
Executive Director

ABW:clb
Encl.

THE AMERICAN MATHEMATICAL MONTHLY
Official Journal of
THE MATHEMATICAL ASSOCIATION OF AMERICA, INC.

HARLEY FLANDERS, EDITOR
DAVID DRASIN, ASSOCIATE EDITOR

PURDUE UNIVERSITY
LAFAYETTE, INDIANA 47907
December 9, 1968

Chairman
Department of Mathematics

Dear Colleague:

When I was a sophomore at Illinois Tech, the Math. Dept. Chairman, Lester Ford, Sr., then editor of the AMERICAN MATHEMATICAL MONTHLY, persuaded me to join the Mathematical Association of America. As I gradually became a professional mathematician, my obligation to support the MAA and work within it became apparent. The MAA is the professional organization for teachers of college mathematics; for many years I have believed that each of us owes the profession his active participation.

I am writing to ask you personally to approach each member of your department who is not a member of the Association and urge him to become one. Perhaps you can circulate this letter at the same time or at least post it for your staff to read.

I am not qualified to tell you all of the many activities of the MAA aimed at improved college mathematics. However I am in a position to tell you what is happening with its official journal, the AMERICAN MATHEMATICAL MONTHLY, since copies will appear under my editorship starting January 1969. I am working on improvements in a number of areas and I sincerely believe the MONTHLY can and will be a much better publication, better serving the needs of college mathematics teachers.

My principal responsibility is the selection of Main Articles. I am assisted by several excellent Associate Editors: Arthur Mattuck (MIT, algebra), Gian-Carlo Rota (MIT, analysis, combinatorics), James Wendel (Univ. of Mich., prob. and stat.), Peter Lax (NYU, applied math.).

My main goal is the publication of outstanding expository and survey articles covering all important aspects of current mathematics. Many superb articles have been submitted and others solicited. In the January issue there will be articles by S. Smale, R. Brauer, and G. C. Evans. In subsequent issues there will be articles by I. Niven, N. Levinson, H. Alder, R. Redheffer, R. Bing, B. Mitchell, J. C. Shepherdson, S. Lefschetz, J. Milnor, and other leading mathematicians. Each article by a major mathematician will be prefaced by a brief biographical sketch.

Technical research of interest only to specialists will be phased out completely as the present backlog is exhausted, hopefully in six months.

Mathematical Notes and Classroom Notes are edited by a brilliant young complex variables man, David Drasin (Purdue Univ.). The Math. Notes department will concentrate on brief papers containing new insights and mathematical pearls, while Classroom Notes will publish material suitable for presentation in real classrooms. Much excellent material is presently in the works.

Mathematical Education is edited by two exceptionally well qualified men, John Harvey (Univ. of Wis., formerly with Max Beberman at the Univ. of Ill.) and Malcolm Pownall (Colgate Univ., formerly Executive Director of CUPM).

The Problem sections are edited by Emory Starke (Rutgers Univ., emeritus). Solutions to Advanced Problems are edited by J. Barlaz (Rutgers Univ.) and new proposals are judged by A. Wilansky (Lehigh Univ.), H. Cohen (Univ. of Mass.), M. Marcus (Univ. of Calif., Santa Barbara), I. N. Herstein (Univ. of Chicago), R. Lyndon (Univ. of Mich.), and L. Carlitz (Duke Univ.). The number of new proposals per issue will be cut back to improve quality and the time between publication of a problem and its solution will be greatly reduced.

Elementary Problems are processed by M. S. Klamkin (Ford Motor Co.) and by Howard Eves and a group of his colleagues, the Univ. of Maine Problems Group. I expect that the efforts of Eves and his colleagues will produce a noticeable improvement in the Elementary Problems Section.

Book Reviews are edited by K. May (Univ. of Toronto) and films are reviewed by S. Schuster (Carleton College). They are striving to speed up publication of reviews and obtain more critical reviews.

R. Hailpern (SUNY at Buffalo) edits News and Association business and handles the Index, which will be completely revised starting with December 1968 to be a more useful reference tool.

This summarizes the present position of the MONTHLY and the changes in process. Others are forthcoming and I am encouraged by the splendid cooperation of numerous mathematicians. I am prejudiced, of course, but I think the MONTHLY alone is more than worth the small cost of Association membership and indeed that no one working in college mathematics can afford to miss the forthcoming issues.

Sincerely yours,

Harley Flanders

Prof. Harley Flanders

FLA. PRESBYTERIAN COLLEGE

To: MATH MAJORS AND OTHERS INTERESTED IN MATH AS U.S.F.
ALL ARE WELCOME

This letter is to call to your attention three lectures to be given this week by Dr. Haskell Cohen, Professor of Mathematics and Chairman of the Department at Louisiana State University. All lectures will be in Science Auditorium.

Thursday, 8:00 p.m. What is topology?

Friday, 9:00 a.m. Mathematical Induction

4:15 p.m. New Math versus Old

Learning mathematics is important in itself. Learning is more personal, however, when you talk with, are taught by, or otherwise come to know some of the famous men and women who are professional mathematicians. To give you this experience Florida Presbyterian College arranges for visiting lectures by prominent mathematicians and for movie films featuring some of greatest mathematicians of our day.

SCHEDULED EVENTS FOR SPRING SEMESTER, 1967

NOTICE RE ALL FILMS

The films will be shown in the Science Auditorium at 2:00 p.m. and 7:00 p.m. on the dates indicated.

1. February 9, 10: Three lectures by Dr. Haskell Cohen, Professor of Mathematics at Louisiana State University and Visiting Lecturer for the Mathematical Association of America.

- FILM 2. February 15 Let Us Teach Guessing (61 minutes)
(A demonstration with Prof. George Polya of Stanford University).

FILM

3. February 22: Mr. Simplex Saves the Aspidistra (33 minutes)
("... this film presents a charming and whimsical example of maze traversal using animation and models, paths on a chessboard, etc.")

FILM

4. March 22: Donald in Mathmagic Land (28 minutes)
(Discusses what mathematics is today. A guided tour by a famous feathered friend.)

5. March 31, April 1: F.P.C. hosts the annual meeting of SE Section of Mathematical Association of America.
This is the largest meeting of all the sections of the MAA (approximately 450 mathematicians are expected). Approximately 50 papers will be presented, of which several will be by our own people, including

1. Robert Ferguson (presenting a paper on graph theory produced jointly with Alexander Hunter and Dr. Forrest Dristy)

2. Anne Brownlee (graph theory)

3. Dr. Lee Graber (functional analysis)

4. Dr. Robert Van Meter (algebra)

5. Dr. Billy Maddox (algebra)

FILM

6. April 10: The Challenge in the Classroom
(Demonstrates the classroom methods of R. L. Moore, a superb teacher of graduate mathematics at University Texas)

FILM

7. April 12: Theory of Limits, Part I (30 minutes)
(Prof. Edward McShane, University of Virginia)

FILM

8. April 19: What is an Integral? (60 minutes)
(Professor Edwin Hewitt, University of Washington)

9. April 20, 21: Three lectures by Dr. Oscar Wesler,
Professor of Mathematical Statistics at North Carolina State University and Visiting Lecturer for the three major statistical associations.

ANNUAL MEETING
MATHEMATICAL ASSOCIATION OF AMERICA
SOUTHEASTERN SECTION

Florida Presbyterian College
St. Petersburg, Florida
March 31-April 1, 1967

Florida Presbyterian College is host to the 46th anniversary meeting of the Southeastern Section of the Mathematical Association of America. Registration headquarters will be located in the Lobby of the Science Auditorium Building and will be open at 10:00 AM Friday morning. A copy of the latest national employment register will be available for reference during the meeting. For the convenience of schools in our section a local employment register will be established at the meeting.

With the Assistance of Florida Presbyterian College and the MAA, the program includes two invited hour addresses of general interest: one by Professor F. A. Ficken on Friday and one by Professor A. D. Wallace on Saturday. The Secretary wishes to call attention to three other special features of the program: Professor Laszlo Fuchs has been invited to present the initial paper in Section G, which is devoted to partially ordered algebraic systems; a panel discussion has been scheduled on a topic of particular interest at the Junior College level; Section D has been organized exclusively for student presentations. (Although not part of the regular program, baseball enthusiasts may be pleased to learn that three exhibition games are scheduled for Saturday afternoon in the St. Petersburg neighborhood.)

A banquet is scheduled for 7:00 PM, Friday, March 31, at the Sheraton Inn. Tickets for the banquet are \$3.50 each. Please make reservations right away with Mr. James O'Hare, Housing Department, St. Petersburg Convention Bureau, P.O. Box 1371, St. Petersburg, Florida 33731. Following the banquet there will be a program of MAA films (provided by MODERN LEARNING AIDS) selected from those by, or about, John Von Neumann, Richard Courant, R. L. Moore, and George Polya.

The Association invites to its meeting all interested persons. Departmental Chairmen are requested to provide suitable local publicity. Communications to those in attendance may be addressed in care of Professor R. C. Meacham, Department of Mathematics, Florida Presbyterian College. All abstracts should be in the hands of the Secretary before the end of the meeting.

Henry Sharp, Jr.
Secretary

PROGRAM

Friday, March 31

GENERAL SESSION I

2:00

A Nonlinear Parabolic Problem
F. A. Ficken
(New York University)

Dendy McNair Auditorium
R. C. Meacham, Presiding

SECTION A

Humanities H-107

- | | | |
|------|-----|---|
| 3:15 | A.1 | A property related to absolutely pure for modules
B. H. Maddox, Florida Presbyterian College |
| 3:30 | A.2 | The number of solutions of certain systems of equations in a finite field
Robert G. Van Meter, Florida Presbyterian College |
| 3:45 | A.3 | On doubly autographic groups
L. M. Chawla, University of Florida |
| 4:00 | A.4 | On a form representing a large collection of primes
L. M. Chawla, J. E. Maxfield* and R. G. Selfridge, University of Florida |
| 4:15 | A.5 | On the construction of a ternary quadratic form
E. H. Hadlock* and Amin Muwafi, University of Florida |
| 4:30 | A.6 | On the equivalence of a ternary quadratic form
Amin Muwafi, University of Florida |

SECTION B

Science Auditorium

- | | | |
|------|-----|---|
| 3:15 | B.1 | Report on the activities of the Two Year College Panel of the CUPM
William R. Rice, St. Petersburg Junior College |
| 3:30 | B.2 | Mathematics by television and graduate student teachers at the University of Florida
William A. Gager, University of Florida |
| 3:45 | B.3 | Rational inequalities - a simplified approach
Charles W. Huff, Winthrop College |
| 4:00 | B.4 | The substitution sign
B. A. Fusaro, University of South Florida |
| 4:15 | B.5 | A new look at an old problem
Robert G. Blake, University of Florida |
| 4:30 | B.6 | Abnormal semantic matrices - a timely state of the art survey
R. J. Selimpe, Florida State University |

SECTION C		Science P-104
3:15	C.1	The use of cartesian tensors in development of complex equations of motion, Part I W. G. Heffron, Bellcomm, Inc., and W. H. Land, Jr., IBM Federal Systems Division
3:30	C.2	The use of cartesian tensors in development of complex equations of motion, Part II W. G. Heffron, Bellcomm, Inc., and W. H. Land, Jr., IBM Federal Systems Division
3:45	C.3	Almost-general periodic functions Tomlinson Fort, Emory University
4:00	C.4	Some transformations that reduce complex boundaries in every face of a parallelepiped to zero Rafael M. Fitterre, Alabama University in Huntsville
4:15	C.5	An application of Abel's identity Gene B. Parrish, Army Research Office, Durham, North Carolina
4:30	C.6	Torsional stresses in a cylindrically aeolotropic material C. B. Smith, University of Florida
SECTION D		Humanities H-108
3:15	D.1	On oscillatory matrices Thomas L. Markham, Auburn University
3:30	D.2	On the proximate fixed-point property for multifunctions T. B. Muenzenberger, University of Florida
3:45	D.3	The Krull-Schmidt theorem for loops David Clark, Emory University
4:00	D.4	Cyclically vertex-symmetric graphs Forrest Dristy, Robert Ferguson* and Alexander Hunter, Florida Presbyterian College
4:15	D.5	A semi-group of convex sets Harold Reiter, Clemson University
SECTION E		Humanities H-200
3:15	E.1	On the admissibility of a mean on certain continua Kermit N. Sigmon, University of Florida
3:30	E.2	Concerning metric intervals E. L. Bethel, Clemson University
3:45	E.3	Maximal starshaped sets William R. Hare, Jr.* and John W. Kenelly, Clemson University
4:00	E.4	A stability theorem for closed linear operators Leland Graber, Florida Presbyterian College
4:15	E.5	A generalization of the Stone-Weierstrass theorem to multi-valued functions William T. Spears, University of Florida
SECTION F		Language H-413
3:15	F.1	Products of points - some curious algebras and their identities Trevor Evans, Emory University
3:30	F.2	On quasi-injective ideals in the prime rings Kwangil Koh, North Carolina State University
3:45	F.3	Some game-theoretic problems L. T. Ratner, Vanderbilt University
4:00	F.4	Linear programming a generalized traveling salesman problem J. Gaylord May, Wake Forest College
BANQUET		7:00 PM Sheraton Inn
FILM PROGRAM		8:15 PM
<u>Saturday, April 1</u>		
BUSINESS MEETING		Dendy-McNair Auditorium
9:00		C. V. Aucoin, Presiding
GENERAL SESSION II		Dendy-McNair Auditorium
		C. V. Aucoin, Presiding
Functional Equations and Binary Topological Algebras		
A. D. Wallace		
(University of Miami		
SECTION G		Partially Ordered Algebraic Systems
		Science Auditorium
11:00	G.1	The Riesz interpolation property in ordered groups Laszlo Fuchs, University of Miami
11:30	G.2	Fully and partially ordered extensions of the real field Andrew Sobczyk, Clemson University
11:45	G.3	The pseudo-join in implicative semi-lattices William C. Nemitz, Southwestern at Memphis
12:00	G.4	Relations and bigraphs Jagbir Singh and W. A. Thompson, Jr.,* The Florida State University
SECTION H		Humanities H-101
11:00	H-1	* The mathematics preparation expected of students transferring as juniors from a Junior College to a Senior College Howard E. Taylor, Florida State University; Waldemar Olson, University of Florida; Jeffrey Tennant, Florida Atlantic University; E. P. Miles, Florida State University

VISITING LECTURER PROGRAM IN MATHEMATICS

Co-sponsored by
Mathematical Association of America, Florida Section
and
Center for Mathematical Services, University of South Florida

The Center for Mathematical Services in cooperation with the Florida Section of the Mathematical Association of America proposes to develop a Visiting Lecturer Program in Mathematics. This program would make available to high schools, colleges, and industries within the State of Florida the services of a visiting mathematician who would not only present a formal lecture, but when appropriate would consult with students or industrial staff.

The general objectives of the program are:

- (a) to increase the cooperation between the school systems, colleges, and industry in the areas of the mathematical sciences.
- (b) to provide students and staff with an opportunity to interact with other active mathematicians.
- (c) to provide information on new results or applications of mathematics.
- (d) to promote the importance and usefulness of mathematics in today's world.

The Lectures would be aimed at one of four audiences.

- (1) High School Students
(Algebra II assumed)
- (2) Undergraduate Students
(Introductory Calculus Sequence assumed)
- (3) Graduate Students and Faculty
(Typical Colloquium Lecture)
- (4) Engineers, Mathematicians, or Statisticians
working in Industry.
(An Undergraduate Education)

The Center for Mathematical Services at the University of South Florida would:

- (a) organize and coordinate these lectures throughout the State of Florida.
- (b) advertise these lectures to the local school systems, community colleges, universities, and industry throughout Florida.
- (c) organize the high school Visiting Lecturer Program initially in the Tampa area, then expand this program statewide over the next few years. The rest of the Visiting Lecturer Program would begin statewide during the Fall of 1982.
- (d) cover the expenses of organizing and advertising this program.

The Florida Section of the Mathematical Association of America would promote this program through its newsletters and at its meetings. All communication would indicate that this program is co-sponsored by the Florida Section of the Mathematical Association of America and the Center for Mathematical Services at the University of South Florida.



The Florida State University
Tallahassee, Florida 32306

Department of Mathematics
(904) 644-1898

October 25, 1984

Professor Daniel Gorenstein
Department of Mathematics
Rutgers, The State University of New Jersey
New Brunswick, New Jersey 08903

Dear Professor Gorenstein:

I was very glad to learn from Professor Kletzing that you will be one of the principal speakers at the March 8-9, 1985, meeting of the Florida Section, MAA, at Stetson University in DeLand, Florida. Our officers and members are looking forward with pleasure to your talk and also to the opportunity to chat informally with you.

I am enclosing a copy of our September newsletter, which includes some information about the meeting. Please note especially the item on page 3 about the need to make early motel reservations because of motorcycle racing in nearby Daytona Beach at the same time. I would like to suggest that you either make a reservation directly, in the near future, or that you contact Professor Kletzing, our local arrangements chairman, if you would like his help in arranging a reservation. Also, please let him know of any other help you may need in connection with transportation or other local needs.

I am sending a copy of your August 29 letter, along with a copy of the present one, to Professor Zerla, our vice-president for programs. This will inform him that you prefer to have your talk scheduled for Friday, March 8. I am sure that he will be in contact with you concerning the scheduling, the title of your talk, and other details. Please let him know of any questions, etc., you may have concerning the program.

Meanwhile, if I can be of any help, please call on me. We are all delighted that you will be with us and want to do all we can to make the trip and meeting pleasant. My phone number is now 904-644-2202.

Sincerely,

Ralph McWilliams

Ralph McWilliams, Secretary
Florida Section, MAA

cc: Professor David Sherry, President, MAA-FL (U. of West Fla.) 904-474-2288
Professor Don Hill, Governor (Fla. A&M U.) 904-599-3595
Professor Fred Zerla, V-P for Programs (U. of South Fla.) 813-974-2349
Professor Dennis Kletzing, Local Arrangements (Stetson U.) 904-734-4121



The Florida State University
Tallahassee, Florida 32306

Department of Mathematics
(904) 644-1898

*Fred -
copies of
3 letters
Ralph*

October 25, 1984

Professor Richard V. Andree
Department of Mathematics
University of Oklahoma
Norman, Oklahoma 73019

Dear Professor Andree:

I was very glad to learn from Professor Zerla that you will be one of the principal speakers at the March 8-9, 1985, meeting of the Florida Section, MAA, at Stetson University in DeLand, Florida. Our officers and members are looking forward with pleasure to your talk and also to the opportunity to chat informally with you.

I am enclosing a copy of our September newsletter, which includes some information about the meeting. Please note especially the item on page 3 about the need to make early motel reservations because of motorcycle racing in nearby Daytona Beach at the same time. I would like to suggest that you either make a reservation directly, in the near future, or that you contact Professor Kletzing, our local arrangements chairman, if you would like his help in arranging a reservation. Also, please let him know of any other help you may need in connection with transportation or other local needs (although I suspect that you may be arriving with Professor Zerla and the others from University of South Florida).

As I think you know, Professor Zerla is our vice-president for programs. I am sure that you and he are, or will soon be, in touch concerning the title of your talk, the hour at which it will be scheduled, and other details about the program.

Meanwhile, if I can be of any help, please call on me. We are all delighted that you will be with us and want to do all we can to make the trip and meeting pleasant. My phone number is now 904-644-2202.

Sincerely,

Ralph McWilliams

Ralph McWilliams, Secretary
Florida Section, MAA

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Professor Fred Zerla, V-P for Programs (U. of South Fla.) 813-974-2349
Professor Dennis Kletzing, Local Arrangements (Stetson U.) 904-734-4121



The Florida State University
Tallahassee, Florida 32306

Department of Mathematics
(904) 644-1898 644-2202

October 25, 1984

Professor Lynn Arthur Steen
Department of Mathematics
St. Olaf College
Northfield, Minnesota 55057

Dear Professor Steen:

Enclosed is a copy of the Florida Section's September newsletter. Actually, I think you received a copy earlier, by virtue of being on our automatic mailing list.

Anyway, the newsletter contains some information about the DeLand meeting of March 8 and 9, 1985, at which we are very happy that you will be one of the principal speakers.

In particular, page 3 gives some motel information and emphasizes the need to make early reservations, because of motorcycle racing in nearby Daytona Beach at the same time as our meeting. I would like to suggest that you either make a reservation directly, in the near future, or that you contact Professor Kletzing, our local arrangements chairman, if you would like his help in arranging a reservation. Also, please let him know of any other help you may need in connection with transportation or other local needs.

I have passed along to Professor Zerla, your suggestion that your talk be scheduled for Saturday morning. I am sure that he will be in contact with you concerning the title of your talk and other details. Please let him know of any questions, etc., you may have concerning the program.

Meanwhile, if I can be of any help, please call on me. We are all delighted that you will be with us and want to do all we can to make the trip and meeting pleasant.

Sincerely,

Ralph McWilliams

Ralph McWilliams, Secretary
Florida Section, MAA

cc: Professor David Sherry, President, MAA-FL
(U. of West Florida, Pensacola, FL 32504) (904)-474-2288
Professor Don Hill, Governor
(Florida A&M U., Tallahassee, FL 32307) (904)-599-3595
Professor Fred Zerla, Vice-President for Programs
(U. of South Florida, Tampa, FL 33620) (813)-974-2349
Professor Dennis Kletzing, Local Arrangements Chair
(Stetson U., DeLand, FL 32720) (904)-734-4121

THE STATE UNIVERSITY OF NEW JERSEY
RUTGERS

August 29

Dear Prof. Kletzing,

Your letter just reached me since I've been away from school all summer. I'm very happy to accept the invitation to speak at the March meeting of the Florida MAA. I do have one request, though. Since I have relatives in South Florida, I would probably try to visit them over the weekend of the 9-10 March before returning to Rutgers, and would therefore prefer to have my talk scheduled on Friday, March 8.

I might also add that it is very likely that my wife will be coming down with me, so 'll probably need a double room.

I shall certainly try to give a talk that is appropriate to the mathematical mix of the audience, so that all will be able to get something out of it.

Thanks again for the invitation, and I assume I shall be hearing from you at some later date about more specific details on the meeting.

Sincerely,

Sam Greenstein

Stetson University

DeLand, Florida 32720

DEPARTMENT OF MATHEMATICS

AND

COMPUTER SCIENCE

September 6, 1984

Professor Fred Zerla
Department of Mathematics
University of South Florida
Tampa, Florida 33620

Dear Fred:

I am writing to you about our guest speaker for the March meeting of the Florida section of the MAA. Professor Daniel Gorenstein of Rutgers has accepted our invitation. He would very much like to talk on Friday afternoon. Do you think this is possible?

Sincerely yours,

Dennis

Dennis Kletzing

DK:nw

*Phoned Ralph
9-10-84*

Sept 6, 1984

Dear Dick,

I just wanted to touch base with you concerning the meeting of the Florida Section ^{next year}. We have scheduled it for March 8 and 9 (Friday and Saturday) at Stetson University in De Land. You and Lynn Steen will be two of the three stars of the show; the third will be confirmed soon. I realize that you are not as free this year as last, but I'd really like you to speak to our Pi Mu Epsilon chapter before we drive over to De Land (a 2 1/2 hr drive). Maybe you could do that on Thursday?

The plans for the rest of the meeting are falling into place, ~~and I'm~~ Otherwise, I'm busy with planning a new course. I taught the History course to math teachers this summer, but omitted ~~any~~ the development of calculus because there just was no time. Next summer, I'm going to present a course on "The Origins of the Calculus," but I will have to develop my own material because no single existing text is adequate.

We are ~~all looking~~ looking forward to your visit with pleasure,

Sincerely,
Fred



The University of Oklahoma

DEPARTMENT OF MATHEMATICS

601 Elm Avenue, Room 423
Norman, Oklahoma 73019
(405) 325-6711

February 13, 1985

Professor Fred Zerla
Department of Mathematics
University of South Florida
Tampa, Florida 33620

Dear Fred:

My first reaction was horror at the thought of missing two classes on Thursday and one on Friday, but when I tried to make more suitable arrangements here it just turned out that there weren't any that we could still get the lower fare on. By all means have your travel agency write up tickets for me and send them to me. I assume that you will arrange for a place for me to stay in De Land. I will be glad to share a room with you, if that is convenient as far as you are concerned.

There is no problem at all about returning since that next week is our spring break, March 11-17, so I will be positively delighted to have you show me around the area and see whatever there is to see. I am in an awkward spot in that somebody else invited me to come to Florida as a visiting speaker for the Association for Computing Machinery, but I cannot seem to find the invitation from them, and without it I cannot very well make arrangements to see them on the same trip, but I will be delighted to talk to your group at Tampa.

As I indicated over the phone, a suitable topic for the De Land talk would be Some problems neither my computer nor I can solve--YET--whereas at the University of South Florida, it might be better to do one on exploring devisor chains with a microcomputer. This will lead to perfect numbers, amicable pairs and sociable change, as well as some still unanswered problems which may be of interest to your colleagues and students.

Give your good wife my best wishes and tell her I am looking forward to seeing her again.

Cordially,

Dick

Richard V. Andree
Professor

RVA:sjh

PS

Don Hill says to have breakfast with him and the representatives on Saturday. I said it was fine with me providing you had no other plans for me then. OK? hick



The Florida State University
Tallahassee, Florida 32306

Department of Mathematics
(904) 644-1898

May 11, 1984

Professor Lynn A. Steen, President-Elect, MAA
Department of Mathematics
St. Olaf College
Northfield, Minnesota 55057

Dear Professor Steen:

The Florida Section of MAA will hold its 1985 annual meeting at Stetson University, DeLand, Florida, on Friday and Saturday, March 8 and 9, 1985. The Executive Committee, on behalf of the Section, would like to invite you to give an hour address at this meeting, on any subject you might select for the audience, which is expected to consist primarily of faculty from two-year colleges, four-year colleges, and universities, with some students, high school teachers, industrial mathematicians, and others.

One attractive topic, of course, would be mathematics education in China, but we would really like for you to have complete freedom to choose the topic.

Our meeting will probably begin with a preliminary session on regional meetings, held throughout the state and Puerto Rico, at 12:15 p.m. on Friday and will end with a luncheon and business meeting on Saturday, with adjournment at about 2 p.m. Your talk would be scheduled at approximately 1:15 p.m. Friday or 9 a.m. or 11:45 a.m. Saturday, depending partly on your travel plans and those of the other principal speakers. We would be happy, of course, if you could attend the entire meeting, including the Saturday luncheon and business meeting.

Professor Fredric Zerla of the University of South Florida, who chairs our program committee, will be corresponding with you concerning details of the meeting, if you are able to accept our invitation.

It is my understanding that your travel expenses would be covered by the national office of the Association under the plan for visits by national officers to section meetings. In that connection I am sending a copy of this letter to Professor Ross.

If you need further information or have suggestions, please let me know. All of us on the executive committee hope that you will be able to accept this invitation.

Sincerely,

Ralph McWilliams

Ralph McWilliams, Secretary-Treasurer
Florida Section, MAA

cc: Professor Dave Sherry, President, MAA-FL
✓ Professor Fredric Zerla, Vice-President for Programs, MAA-FL
Professor Don Hill, Governor
Professor Kenneth Ross, Secretary, MAA



The Florida State University
Tallahassee, Florida 32306

Department of Mathematics
(904) 644-1898

May 30, 1984

Professor Lynn Arthur Steen, President-Elect, MAA
Department of Mathematics
St. Olaf College
Northfield, Minnesota 55057

Dear Professor Steen:

Thank you very much for your letter of May 23. We are delighted that you will be able to attend and address the annual meeting of the Florida Section at Stetson University in DeLand on March 8-9, 1985.

Fred → { I am sending Professor Zerla a copy of your letter and mentioning to him, by copy of this note, that your talk will probably need to be scheduled for Saturday morning. He will correspond with you a bit later to request the title of your talk and discuss details of the meeting.

If questions arise or you find that we could be of help in any way, please contact Professor Zerla or me. Again, let me say that we are very happy and honored that you will be with us for the March meeting.

Sincerely,

Ralph McWilliams

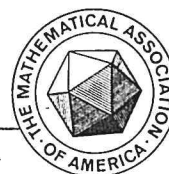
Ralph McWilliams, Secretary
Florida Section, MAA

cc: Professor David Sherry, President, MAA-FL
Professor Don Hill, Governor
✓ Professor Fred Zerla, Vice-President for Programs
Professor Dennis Kletzing, Local Arrangements

*Hi, Fred.
Best regards.
Ralph*

The MATHEMATICAL ASSOCIATION of AMERICA

INCORPORATED



Lynn Arthur Steen
President-Elect

Department of Mathematics
St. Olaf College
Northfield, Minnesota 55057
507 663-3114

May 23, 1984

Professor Ralph McWilliams, Secretary-Treasurer
Florida Section, MAA
Department of Mathematics
Florida State University
Tallahassee, Florida 32306

Dear Professor McWilliams:

I would be pleased to represent the MAA at your 1985 meeting on March 8-9. Florida in March is a rather appealing prospect for someone from Minnesota.

I would anticipate flying on Friday morning, which would probably mean that I might not be there in time for the very beginning of the meeting. But I could then plan to stay through the entire Saturday morning session. So, tentatively, I would think that scheduling my talk for Saturday would make most sense. I would, of course, be anxious to meet with your officers whenever convenient to discuss matters of concern to your Section.

Sincerely,

A handwritten signature in cursive script that reads "Lynn A Steen".

Lynn Arthur Steen
President-Elect

LAS:mkp