

AIAA HOUSTON SECTION 1981-1982 DINNER MEETINGS  
HELD AT JOHNSON SPACE CENTER  
ROBERT R. GILRUTH RECREATION CENTER

Social: 6:00  
Dinner: 7:00  
Program: 8:00



AMERICAN  
INSTITUTE OF  
AERONAUTICS AND  
ASTRONAUTICS

HOUSTON SECTION  
P. O. BOX 57524  
WEBSTER, TEXAS 77598

**TUESDAY - APRIL 20, 1982**



## PLANNING PRIORITIES AND POLITICS

JOSEPH G. GAVIN, JR.  
PRESIDENT  
GRUMMAN CORPORATION

AIAA FELLOW  
AIAA PRESIDENT 1981-1982

DURING THE DAY IN THE GILRUTH RECREATION CENTER  
THE 7th ANNUAL TECHNICAL MINI-SYMPOSIUM  
THEME: SPACE SHUTTLE DEVELOPMENT AND FLIGHT RESULTS

FOR DINNER RESERVATIONS, CALL:

HAZEL	JOANNE	PATTY	NANCY	SYLVIA	ENTREE - BEEF MANDARIN	
333-6161	333-2030	488-5660	483-3995	845-7541	MEMBERS & SPOUSES	\$7.50
(Lockheed)	EXT. 211	EXT. 211	(NASA)	(College Station)	NON-MEMBERS	\$8.50
	(Rockwell)	(MDTSCO)			STUDENT DISCOUNT	\$2.00

RESERVATIONS DEADLINE IS FRIDAY - APRIL 16 at 12:00 NOON

DINNER CANCELLATIONS ARE REQUIRED

ALL ARE WELCOME

THERE IS NO CHARGE FOR ATTENDING THE PROGRAM ONLY



AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS  
HOUSTON SECTION  
NEWSLETTER

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April 1982

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The Houston Section NEWSLETTER is published periodically at the Houston Offices of IBM by the Houston Section AIAA. Address all communications toCarolynn Conley, Associate Editor, NASA-JSC, Mail Code CH4, Houston, Texas 77058.

W. A. Stewart, Editor

o EDITORIAL

Positive Growth...Membership and Section Contributions Increase - On March 1, 1982, Houston Section membership reached a new high of 867 members:

2 Honorary Fellows  
8 Fellows  
93 Associate Fellows  
756 Members  
8 Associate members  
867 Total

Many Space Shuttle papers are being given nationwide. A much stronger focus has been given to STS operations by the announcement of the Flight Crews through STS-6.

The section has achieved an outstanding response of papers for the 7th Annual Technical mini-symposium to be held April 20, 1982. Congratulations to all participants.

Jack Heberlig  
Chairman

o MINI-SYMPOSIUM '82; Over 120 Papers Received

Plans are rapidly solidifying for our big day on April 20. I can now report to you, with great satisfaction, that we received over 120 papers to consider for this year's mini-symposium - an all time record. The subcommittees for paper screening and session organization have met, done their basic work, and created eight (8) equivalent full day sessions as follows:

	<u>NO. OF PAPERS</u>
SESSION I - SPACE SCIENCE AND REMOTE SENSING	8
II - INFORMATION SYSTEMS	14
IIIA - MECHANICS & CONTROL OF FLIGHT (FLIGHT TEST RESULTS)	18
IIIB - MECHANICS & CONTROL OF FLIGHT (DEVELOPMENT PHASE)	15
IV - VEHICLE SUPPORT, TESTING, & VERIFICATION	14
V - ENERGY SYSTEMS, STRUCTURES, & THERMAL	15
VI - SPACE SYSTEMS	14
VII - AEROSPACE TECHNOLOGY & TECHNIQUES	14
VIII - DATA PROCESSING TECHNIQUES	
TOTAL	<u>118</u>

Only a very few papers (6 or so) were withdrawn, rejected, or received too late to be accepted.

The Session Chairmen listed for this year are as follows:

SESSION I - DON TEEGARDEN	JSC/SN
II - AL BRANDLI	JSC/EH13
IIIA - ROSCOE LEE	TRW
IIIV - STEPHANY VICKERY	LEMSCO
IV - STAN FABER	JSC/FE
V - TOM MOSER	JSC/MA
VI - HUGH DAVIS	EAGLE ENG.
VII- PHIL HOPKINS	LEMSCO
VIII - WAYNE MUSIAL	MDTSCO

As of March 10, instructions to the session chairmen; alphabetical listings of all authors/co-authors; and assignments of papers to appropriate sessions had been completed and mailed to Session Chairmen. Authors are now being contacted by these chairmen to coordinated and/or correct any problems, changes, or errors pertinent to the abstracts, session scheduling, and presenter assignments.

At this time, author managements should be establishing review procedures and dry-run sessions to ensure that we meet the objective of General Chairman, Max Faget, in improving the quality of Technical presentations this year. A little extra attention by both the authors and their superiors should bear fruit in upgrading the content, professionalism, and delivery of these presentations.

Session Schedule

For your early planning, the current schedule plan for this year's mini-symposium is as follows:

8:00-9:00 AM	REGISTRATION
9:00 - 11:55 AM	MORNING SESSION
10:20-10:35 AM	COFFEE BREAK
11:55 - 1:00 PM	LUNCH
1:00 - 3:55 PM	AFTERNOON SESSIONS
2:20 - 2:35PM	COFFEE BREAK
3:55 - 5:00 PM	PLENARY SESSION
6:00 - 7:00 PM	SOCIAL HOUR
7:00 - 8:00 PM	BANQUET DINNER
8:00 -	AIAA PRESIDENT'S ADDRESS

Be sure and make your advance reservations for the evening banquet before the deadline, unless you plan to attend after dinner at 8PM for Mr. Gavin's address only.

Don't miss this fine event!  
See you there.

Program: Plenary Session (3:55 to 5:00 PM) - Space Utilization

- NACA-NASA History.....Joseph P. Loftus, Jr.
- NASA Space Outlook .....Frank Van Rensselaer
- DOD Space Outlook.....Major General John E. Kulpa, Jr.

Joseph P. Loftus, Jr., is Chief, Technical Planning Office, JSC. Frank Van Rensselaer is Director, Upper Stage Division, NASA Hq and Senior Policy Analyst Office of Science and Technology Policy, Executive Office of the President. Major General John E. Kulpa, Jr., is Director of Special Projects Office of the Secretary of the Air Force Deputy Commander for Space Operations USAF Space Division.

C. B. Wolfers  
Vice President-Technical

o '82-'83 ELECTIONS

A pre-ballot containing recommendations from the nominating committee for 1982-83 officers and council members is being mailed to you. Review nominations and return write-in candidates by April 9, 1982.

Final ballots will be mailed in April.

Sharon Barnes

o CLEAR LAKE COUNCIL OF TECHNICAL SOCIETIES (CLCTS)

The CLCTS has established a monthly calendar to give high visibility to the various meetings and events that are being held in the local area. All of the current CLCTS Member Organizations should ensure that Andy Lindberg (LEMSCO, 483-3549) is aware of their upcoming events. In addition, any other related groups such as the Astronomy Club, Radio Control Club, etc., are encouraged to submit this type of information to Andy. The calendars will be made available to all of the Member Organizations and to others on request.

O AIAA NATIONAL SPACE POLICY GETS ATTENTION

This letter I received from Congressman Jack Brooks and his words of praise for us on the floor of the United States Congress mean a great deal to me.

I wanted to take this time to share my feelings with you. What Congressman Brooks has done is an indication that our dedication and hardwork has all been worthwhile.

Jim Visentine

(See attached letter)

NATIONAL SPACE POLICY

The SPEAKER pro tempore. Under a previous order of the House, the gentleman from Texas (Mr. Brooks) is recognized for 5 minutes.

● Mr. BROOKS. Mr. Speaker, I ask unanimous consent to address the House for 1 minute and to include extraneous material.

Mr. Speaker, on a recent trip to Texas I had the pleasure of visiting the Lyndon B. Johnson Space Center in Houston. While I was there I met with several people from the Houston Section of the American Institute of Aeronautics and Astronautics. I was most favorably impressed by this group and found their proposal concerning our Nation's space policy to be meritorious and worthy of consideration. I am putting the AIAA policy statement in the Congressional Record for the enlightenment of the Members:

NATIONAL SPACE POLICY: A PROPOSAL BY  
HOUSTON SECTION-AIAA



HOUSE OF REPRESENTATIVES  
WASHINGTON, D. C. 20515

JACK BROOKS  
9TH DISTRICT, TEXAS

February 2, 1982

Dear Mr. Visentine:

I enjoyed meeting with you during my tour of the Johnson Space Center last week, and I am looking forward to meeting with your general membership. I appreciate the information you provided me. Want to assure you that I support your organization's outstanding work, and the goals that you have set for our Nation's further exploration of space.

I thank you for your kind offer to provide me and my staff with the technical assistance that I am going to need to represent our joint interests before the appropriate committees of Congress and on the Floor of the House, and I look forward to working with you closely in the future.

With best wishes, I am

Sincerely,

Mr. James T. Visentine  
Chairman, Public Policy Committee  
American Institute of Aeronautics and  
Astronautics  
Houston Section  
P. O. Box 57524  
Webster, Texas 77598

o SUMMER COURSES AVAILABLE

Listed below are courses to be offered at UH/CLC this summer which may be of interest to the aerospace community. Registration begins Tuesday, June 1. Classes begin Monday, June 7 and end Tuesday, August 3. Any questions about a particular course should be addressed to the professor named below.

John W. Sunkel  
Chairman CEC

<u>SUMMER COURSES</u>			
PROC 3134	ENERGY TRANSDUCERS	1800-2045 TTh	Fullen
PROC 5233-01	MEASUREMENTS IN OIL & GAS SYSTEMS	1800-2045 MW	Turner
5931-01	TOP: DIST. PARAMETRIC CONTROL SYST.	1800-2045 TTh	Hasdorff
5931-02	TOP: DYNAMICS AND CONTROL OF LARGE SPACE STRUCTURES I	1800-2045 TTh	Sunkel
5931-04	TOP: OPTIMIZATION THEORY	1800-2045 MW	Basu
CSCI 3131	BASIC	1800-2045 TTh	Robinson
3132-01	PASCAL	1800-2045 MW	Leung
3132-02	PASCAL	1800-2045 TTh	Alexander
3234-01	FORTRAN	1800-2045 TTh	Walker
3331-01	ASSEMBLY LANGUAGE	1500-1745 MW	Lekkos
3331-02	COMPUTER SCIENCE I	1800-2045 MW	Husband
4532-01	DATA STRUCTURES	1800-2045 TTh	Grafton
CTEC 3131-01	MEDIUM & LARGE SCALE DIG. INT. CIR.	1800-2045 TTh	Goodwin
3132-01	LOGIC ANALYSIS	0900-1145 TTh	Turner
3331-02	DIG. INFO CODING & COMM.	1400-1645 TTh	Collins
3531-01	COMP. ARCH: MINI & MICRO	1800-2045 MW	Staff
4931-01	TELECOMM. OPERATIONS	0900-1145 TTh	Collins
5332-01	SYN. OF SEQ. LOGIC	1400-1645 MW	Husband
5931-01	TOP: COMP. ARCH. FUNDS NON-MAJORS	1800-2045 MW	Bown
5931-02	TOP: ROBOTICS	1800-2045 TTh	Harmon
EOPT 3333-01	ELEC FOR OPTICS	1800-2045 TTh	Lawrence
4531	ELECTRO-OPTICAL INSTRUMENT	1800-2045 TTh	Reyna

o COULD BE THE WARM WEATHER...

I'm still getting a few answers from the puzzles of a couple of months ago---I don't know if the Post Office is slow or if you folks are slow! Anyway, a later list of those who figured out that the sultan had 231 kids includes:

Don Hervey - Brown and Root  
Raymond Wiltgen - Texas A&M  
V. Iyer - Texas A&M  
L. R. Hamilton - NASA/MG  
Ramesh Khatri - NASA/CH4

Some others who realized the Program Manager was buying house numbers were:

Tom Henderson - NASA/FE4  
Scott Collier - Texas A&M  
Charlie Hayes  
Dave Doucette - Texas A&M  
John Zerngast - IBM  
Dave Gilbert - NASA/EH13  
Gus Babb - NASA/FM2

Congratulations to all you smarties!



### Here We Go Again: The Cruncher Challenge

Because of the lead time involved in getting out the Newsletter, I haven't heard from anyone on the March puzzle (as of 3/11), so I will publish those results next month. In the meantime here's your April challenge:

"Around a cylindrical tube, outside circumference 4", length 9", 10 turns of a wire are helically wound. The ends of the wire coincide with the ends of the same cylindrical element. Find the length of the wire."

Send your answers to Norman Chaffee, NASA-JSC, Mail Code EP, Houston, Texas 77058. First correct answer gets a free dinner at a future AIAA meeting.

#### o PUBLIC AFFAIRS COMMITTEE ACTIVITIES

Tom Murtagh has taken over the reigns of the Tour Group. Tom is a past Chairman of the Houston Section, has been involved in student activities at the national level, and has assisted both the AIAA and NASA-JSC with speaking engagements and conducting tours. He is well experienced for this type of activity.

Tom can be contacted at 483-3217 (NASA-JSC-FD4), for those interested in helping with the AIAA-conducted tours or those who know of any groups wanting an AIAA tour.

The Tour Group hosted a contingent of the Wichita State University Student Chapter on March 13, 1982. Ernie Hillje and Lou Livingston acted as tour guide and host, respectively and were assisted by JSC-Public Affairs for the MCC portion of the tour.

The Public Awareness Group of the Public Affairs Committee has been heavily involved with both Spaceweek '82-Houston and the Science Fair. Joe Bufkin (NASA-JSC-EP) can be contacted at 483-5437 for information on the status of events for Spaceweek. Ernie Hillje has been coordinating with David Bell (Student Affairs Committee) on the Science Fair activities.



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HOUSTON SECTION  
P. O. BOX 57524  
WEBSTER, TEXAS 77598

March 15, 1982

TO: AIAA Houston Section Membership  
FROM: Sharon G. Barnes  
Nominating Committee Chairman  
SUBJECT: 1982-83 Election Pre-Ballot  
for Houston Section Officers and Council

The enclosed ballot is the recommendation of the Nominating Committee of the Houston Section. The section bylaws allow for the writing-in of candidates to the Secretary, Marvin White (LEMSCO). In such cases, the name of the nominee and the office for which he is being nominated should be stated and signed by at least five percent of the membership. Nominations will be received by the Secretary until April 9, 1982. The final official ballot will include any such nominations and will be mailed in mid April.

The 1982-83 Nominating Committee consisted of the following members:

- Norman Chaffee ..... JSC/EP
- Charles Jacobsen ..... MDTSCO
- James McLane ..... Senior Advisor
- William Simmons ..... Senior Advisor
- Marvin White ..... LEMSCO

*Sharon G. Barnes*  
Sharon G. Barnes  
Chairman Elect  
AIAA Houston Section

1982-83 AIAA NOMINATION BALLOT

(CONTINUED)

Councillor (Group #1)  
(One to be Elected)

Larry Friesen  
(MDTSCO)

Karen Godek  
(LEMSCO)

Write-In

Councillor (Group #3)  
(One to be Elected)

Andrei Konradi  
(NASA/SN3)

Richard J. Williams  
(NASA/SN7)

Write-In

Councillor (Group #2)  
(One to be Elected)

David P. Huntsman  
(NASA/CF4)

Angelica Perez  
(NASA/EX)

Write-In

Councillor (Group #4)  
(One to be Elected)

M. P. Frank  
(NASA/CA8)

Frederick H. Hauck  
(NASA/CB)

Donald R. Puddy  
(NASA/CF)

Write-In

RETURN TO M. E. WHITE, LOCKHEED ENGINEERING & MGMT. SERV. CO  
1830 NASA ROAD 1  
HOUSTON, TX 77058

1982-83 AIAA NOMINATION BALLOT

(CONTINUED)

Councillor (Group #5)  
(One to be Elected)

Dr. Walter J. Horn  
(UHCLC)

Dr. Rodney Bown  
(UHCLC)

Write-In

Councillor (Groups #6 & 7)  
(Two to be Elected)

Henry N. Bowes  
(LEMSCO)

Lamar D. Bowles  
(RI)

Max Faget  
(Eagle Engineering)

Logan Haycraft, Jr.  
(Boeing)

Michael Jordan  
(Hamilton Standard)

Carl Peterson  
(TRW)

Write-In

RETURN TO M. E. WHITE, LOCKHEED ENGINEERING & MGMT. SERV. CO.  
1830 NASA ROAD 1  
HOUSTON, TX 77058

1982-83 AIAA - HOUSTON SECTION

NOMINATION BALLOT

(Please Return to Marvin White, Secretary, by April 9, 1982)

Chairman-Elect

Charles V. Wolfers  
(MDTSCO)

\_\_\_\_\_  
Write-In

Vice-Chairman Technical

Robert E. Lewis  
(NASA/EHB)

Robert J. Ward  
(NASA/WA3)

Vice-Chairman Operations

Robert V. Glowczwski  
(Martin-Marietta)

Willis W. Hinton  
(MDTSCO)

\_\_\_\_\_  
Write-In

\_\_\_\_\_  
Write-In

Treasurer

Carl R. Huss  
(Retired)

J. M. Parks  
(LEMSCO)

Richard B. Davidson  
(NASA/PH)

\_\_\_\_\_  
Write-In

Secretary

\_\_\_\_\_  
Write-In

RETURN TO M. E. WHITE, LOCKHEED ENGINEERING & MGMT SERV. CO.  
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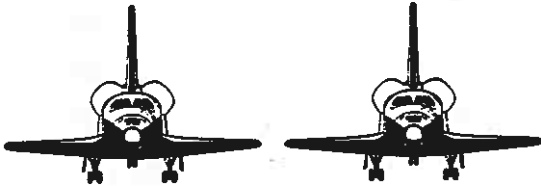
# newsletter

## UPCOMING AIAA HOUSTON SECTION MEETINGS

DATE

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April 20	Mini-Symposium	Space Shuttle Development and Flight Results
April 20	Planning Priorities and Politics	Joseph G. Gavin, Jr. AIAA President Dinner Speaker
May 21	50th Anniversary Celebration	Bldg. 2 Auditorium



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