

# *Southeastern Space Supporter*

*Newsletter of HAL5 – the Huntsville Alabama L5 Society chapter of the National Space Society*

Volume 8, Number 3 — May–June 1999

## **RAISING THE SATURN V**



[Photo by Ronnie Lajoie]

### **FIRST WORD**

#### **HAL5 to Host Space Summit**

(by Ronnie Lajoie, Event Coordinator)

On Saturday, July 17 and Sunday, July 18, HAL5 will host the Southeast Space Summit, our first “conference” since the 1993 ISDC. Originally planned as a southeast space development conference (SSDC), the event shrunk to a Summit when it became clear that there was not enough time or volunteers to plan and execute a full regional conference. President Greg Allison would still like HAL5 to host an SSDC in 2001 (to tie in with the movie *2001: A Space Odyssey*.

(see Summit on page 3)

#### **HAL5 Program Night**

Thursday, August 5, 1999

7 to 8:30 p.m. (with social afterwards)  
Huntsville Public Library Auditorium

#### **“The International Space Station — Our Next Home in Space”**

Guest speaker will be Mr. Scott Motz,  
Boeing Space Systems Engineer.

All HAL5 and NSS members are encouraged to attend, and to bring interested friends and co-workers. Open to the public. Free admission.

#### **U.S. Space and Rocket Center Looks to the Future By Remembering the Past**

(by Ellen Cozelos Lucas, SSS Reporter)

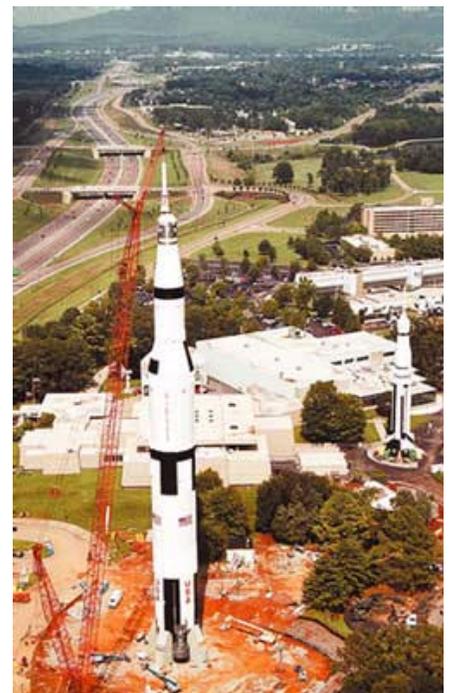
Past and future melt into the present at the U.S. Space and Rocket Center in Huntsville, Alabama. The month of July meant a time of celebrating the past of space exploration. To be more specific, celebrating Man’s conquest of the moon. It was thirty years ago this month that a “small” projectile catapulted three men towards the moon. That projectile was the launch vehicle Saturn V. That mission was Apollo 11.

The original Saturn V was retired to the U.S. Space and Rocket Center, where it has remained on display, yet it has been laying on its side. One cannot get the full impact of the magnitude of the vehicle, unless it is in an upright position. Cost restraints made it unfeasible to stand up the original.

Undaunted, the Space & Rocket Center looked for alternatives. Thus, the Saturn V project is in full swing at the Space & Rocket Center. A full scale model of the launch vehicle is being constructed. The model was planned to be completed in time for the 30 year celebrations

which were held in Huntsville in July. There will be a mock Umbilical Cord/Tower adjacent to the Saturn V model. This “tower” will have a variety of uses when completed, including training services and a restaurant.

(see Saturn V on page 4)



The Saturn V standing tall once more.  
(Smaller Saturn 1B is in the distance.)

[Photo from AL.com Web site]

**Huntsville Alabama L5 Society**

President — Greg Allison  
Day: 544-4440, Eve: 859-5538  
Vice-President — Gladys Young  
Day: 852-0561, Eve: 852-0561  
Treasurer — Ronnie Lajoie  
Day: 971-3055, Eve: 721-1083  
Secretary — Wade Dorland  
Day: 551-0008, Eve: 534-2566  
Membership — Philomena Grodzka  
Day: 536-8638, Eve: 852-8638  
Communications — Ellen Cozelos  
Day: 726-6387, Eve: 883-4873

**Southeastern Space Supporter**

Volume 8, Number 3  
May / June 1999

The *Southeastern Space Supporter* is a bimonthly publication of the Huntsville Alabama L5 Society (HAL5), a not-for-profit 501(c)(3) organization devoted to the goal of seeing everyday people living in thriving communities beyond the Earth.

Any opinions expressed in this newsletter are those of the authors or of the Editor, and, unless expressly so stated, are not necessarily those of HAL5 or the NSS.

Visit the HAL5 Web Page on Internet via:  
<http://advicom.net/~hal5/>

HAL5 encourages its members to speak out on space-related issues, and welcome submissions of both fact and opinion articles of interest to HAL5 members.

Submit letters or articles to: Ronnie Lajoie  
162 Kirby Lane, Madison, AL 35757  
Day phone/message: 256-971-3055  
Night/Weekend phone: 256-721-1083  
FAX number: 256-971-3333  
Electronic mail address: hal5@advicom.net

Deadline for submittal is the last day of the following months: February, April, June, August, October, and December.

Preferred format for plain text is ASCII (text with graphics is *MS Word* or *WordPerfect*) either sent by E-mail or on a PC diskette. Also acceptable are letters and articles sent by mail or faxed; however, the more retyping required, the less likely the acceptance. HAL5 is not responsible for receipt of mailed submissions; none will be returned unless sent with a SASE. Hand-delivered diskettes will be hand-returned. No compensation is paid for submissions.

**1999 HAL5 Election Results**

(by Ronnie Lajoie, SSS Editor)

At the June HAL5 Program Night on Wednesday, June 23, the membership of HAL5 (10 were present) held elections for the 1999-2000 HAL5 Executive Committee. Per the HAL5 bylaws, officer and committee chair candidates were nominated from the floor.

Greg Allison, past President, accepted the nomination and was elected to continue as President. Likewise, Gladys Young, past Vice-President, accepted the nomination and was elected to continue as Vice-President; and Ronnie Lajoie, past Treasurer, accepted the nomination and was elected to continue as Treasurer.

Clay Sawyer, past Secretary, could not attend the meeting and therefore was not eligible (per the HAL5 bylaws) to be reelected. Wade Dorland accepted the nomination and was elected as the new HAL5 Secretary.

Prior to committee chair elections, per the HAL5 bylaws, the membership first reviewed the need to continue having its at-large committees. Greg Allison asked the members if any existing committees should be disbanded or if any new (or past) committees should be created. No motions were made.

Philomena Grodzka, past Chair of the Membership Recruitment Committee, accepted the nomination and was elected to continue as Chair.

James Hopkins, past Chair of the Communications Committee, did not attend the meeting and therefore was not eligible to be reelected. Corry Smith said he was interested in helping the committee, but did not want to Chair it. Greg emphasized that the committees are supposed to consist of a team of people and not be one-person operations. New member Ellen Cozelos volunteered,

then was officially nominated and elected as the new Chair of the Communications Committee. Ronnie Lajoie, who has been handling much of the HAL5 publicity work, took the action to transition the work to Ellen's committee.

Since only one candidate was nominated for each officer and chair position, all were elected by acclamation (no need for a separate vote). The following HAL5 officers and committee chairs were elected and will serve from July 1, 1999 to June 30, 2000:

- President..... Greg Allison
- Vice-President..... Gladys Young
- Treasurer ..... Ronnie Lajoie
- Secretary..... Wade Dorland
- Membership..... Philomena Grodzka
- Communications ..... Ellen Cozelos

All HAL5 members should feel free to contact any of your elected officials (see sidebar at left for their phone numbers), as they are here to service you. ☆

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**HAL5's New Mailing Address**

Per a decision by the U.S. Postal Service, HAL5 can no longer use its "Suite 168" moniker for a private P.O. box address. HAL5 has been using this address because many companies and some government offices refuse to mail to post office boxes. The new official address of HAL5 is written below.

Huntsville Alabama L5 Society  
PMB 168, 1019 Old Monrovia Road  
Huntsville, AL 35806-3505

Starting in September, the U.S. Postal Service will refuse to deliver any mail not addressed exactly in this manner, which means that even mail addressed to just "HAL5" may be bounced. Please make a note of this address in case you need to send a letter to HAL5 in the future. ☆

**HAL5 Web Site: <http://advicom.net/~hal5/>**

(Summit, continued from page 1)

The purpose of the Summit is to gather together the leaders of the NSS chapters in the southeast (Region 5). Unlike an ISDC, which tends to focus on a group of speakers giving presentations to attendees, the Space Summit will focus on information sharing among all the chapter leaders. Thus every "attendee" is expected to be an active participant.

**Registration Information**

The Southeast Space Summit will be held at the Holiday Inn Research Park at Madison Square Mall, 5903 University Drive, Huntsville, Alabama. The main registration period will be on Saturday from 8 to 9 AM. Morning refreshments (both Saturday and Sunday) will include coffee, tea, orange juice, milk, donuts, and muffins.

The HAL5 Executive Committee voted to allocate up to \$200 towards the event. The rest of the money needed to cover hotel room and TV rental as well as snack food and drinks will come from a small registration fee (\$5 per person for working adults, and free otherwise). All interested HAL5 members are welcome to attend and participate.

On Saturday, two meal events will be held (lunch and dinner). The lunch event costs \$15 and has lemon pepper chicken with au gratin potatoes as the entree. The dinner event costs \$20 and has roast beef with oven browned potatoes as the entree.

Because of delays in getting out advance notice by mail, all advance notices were sent by email to all HAL5 members with email addresses. I apologize to those members who did not receive advanced notice until now. Late notice also went by telephone in an effort to get more people to commit to the meal events by the Wednesday deadline.

HAL5 has agreed to purchase a minimum of 13 meals for the people who have thus far committed. Holiday Inn coordinator Brandy Key has stated that the cooks will probably make enough for several more people, thus it

is possible that a late comer can still buy a lunch and/or dinner meal.

**Planned Summit Activities**

One of the planned sessions for the Summit is to begin planning for a full SSDC. Other sessions will cover the new NSS "Campaign for the Future" membership recruitment drive, fund-raising, chapter newsletters, chapter resources, chapter administration (e.g., minutes, finance, annual report), space education, individual chapter and joint chapter projects, and space activism. A draft itinerary is shown below. The final itinerary will be set Saturday morning.

**SATURDAY, JULY 17**

9 AM to 10 AM -- Welcome by Vice-President for Chapters Affairs and discussion of his plan for chapters, plus a review of the itinerary.

10 AM to 11 AM -- "Campaign for the Future" discussion with a focus on membership recruitment ideas that do and do not work, leading perhaps to a group strategy.

11 AM to Noon -- Fundraising discussion with a focus on raising money for major chapter projects.

Noon to 1 PM -- Lunch event featuring lemon pepper chicken, au gratin potatoes, salad, peas and carrots, assorted pie/cake, and coffee.

1 PM to 2:30 PM -- Chapter Resource Workshop with group and sub-group brainstorming sessions

2:30 PM to 4:30 PM -- Field trip to NASA Marshall to attend the Apollo astronaut dedication, and to visit the Rocket Park and rocket engine test stands as time allows.

4:30 PM to 5:30 PM -- Chapter Administration discussion with chapters sharing their methods for keeping minutes, tracking finances, and preparing annual reports. (This session may be replaced by a discussion on educational projects.)

5:30 PM to 6:30 PM -- Chapter Newsletter discussion with chapters sharing their methods. Plus discussion of creating a regional newsletter (either by expanding a chapter newsletter or forming an entirely new one).

6:30 PM to 8:00 PM -- Dinner event featuring sliced roast beef, oven brown potatoes, salad, vegetable medley, fruit cobbler, and coffee.

8:00 PM to whenever -- Informal discussion including additional planning of a regional conference.

**SUNDAY, JULY 18**

9 AM to 10:30 AM -- Tactical Planning Workshop to help the NSS Policy Committee create a roadmap for NSS to achieve its Vision. Planned hurdles to address include a Space Shuttle replacement and nuclear space propulsion.

10:30 AM to Noon -- Foundry / Projects Workshop to help chapters start new projects and add new life to old ones. Ideas include the expansion of Project HALO (technical) and HALO Achievement (educational) into regional activities. Ideas from other chapters are most welcome.

We will officially close the program and leave the hotel at Noon. However, since the major Apollo celebration activities do not begin until 7 PM, Summit participants will likely continue to meet on an informal basis, including lunch and/or dinner at local restaurants.

Other potential post-Summit activities could include a photograph session of the new Saturn V replica, and a visit to the resting site of the DC-XA.

**HAL5 to Attend Apollo Celebrations**

Even if you cannot attend the Southeast Space Summit, please join us at the U.S. Space and Rocket Center at 7 PM to help celebrate the 30th anniversary of the Apollo 11 landing on the moon. Tickets are \$10. Call 256-837-3400. ☆

(Saturn V, continued from page 1)

It has proved to be a nationwide project, as people from all over the country have come together to recreate the Saturn V, as it appeared pre-launch. As a result, the U.S. Space and Rocket Center developed a website to keep families updated as to the progress of the Project:

<http://www.spacecamp.com/saturnv/>

It has proved to be a popular website with Saturn V and Apollo enthusiasts.

### Double Tragedy Clouds Celebration

Just as with any explorative endeavor, the recreation of the Saturn V launch vehicle was wrought with tragedy. Elee Stovall, a worker on the project fell 14 feet from an extension ladder (to the concrete pavement) on June 19 and suffered a massive head injury and broken left arm. He was in a coma for almost a month, and died the night of July 12 during surgery. Co-workers engraved his name on the escape tower on top of the Saturn V replica to honor his memory.

Then, sorrow struck again when the third man to ever walk on the moon, Charles "Pete" Conrad was killed in a motorcycle accident. Both of these happened before the celebrations of the lunar landing.

An inscription used on the shovels at the ground breaking ceremony for the Saturn V Project at the U.S. Space and Rocket Center sums up the feeling of great respect for all who have put so much into the continued push for space exploration by saying: *"We honor those innovative individuals who contributed to one of mankind's greatest collaborative achievements...the one's who have since followed and those who will follow in the future."*

### Plans For Space and Rocket Center

Yet, the past isn't the only thing on display at the U.S. Space and Rocket Center. Expansion plans are under way to showcase the future of space travel. The Mars Experience and the Shuttle Mission are currently being refurbished.

Plans are under way to add "The Deep Space Experience" ride. It will showcase the Deep Space Project, which is part of the New Millennium Program that launched the *Deep Space 1* probe on October 24, 1998. As stated on JPL's New Millennium web site at <http://nmp.jpl.nasa.gov/>, "Just as cars test new equipment on test tracks, New Millennium missions will test new systems and instruments in deep space and in orbit around the Earth." This promises that the Deep Space Experience will be one to look forward to at the U.S. Space and Rocket Center.

The past of space exploration is all around at the Space and Rocket Center. Artifacts of the earliest space experiments to the shuttle, Columbia, are carefully looked after and displayed at the center. As Chris Olsted, executive Vice President of Financial Operations of the Saturn V Project pointed out, "We constantly try to be good stewards of the historical artifacts that are entrusted to us."

All of this is for one reason, the Space Center shows that learning is a life-long event. And that event is an adventure, no matter the age. It is truly and impressive center of learning and exploration.

### Space Camp — Space Cadet Training

Part of the U.S. Space and Rocket Center is the world famous Space Camp. Students come from all over the world to spend a week experiencing the planning and launch of a mission. Attendees come from the Camp with a new found love and interest in math and science. As a result, grades show a distinct improvement. But, there is more, they also learn cooperation and team work. For if mankind is going to continue exploring space it will not be the work of a few, but rather collaboration of many. Space Camp attendees learn that all are important in the exploration of space.

The U.S. Space and Rocket Center in Huntsville, Alabama is working to infect as many as possible with the spirit of the Saturn V missions in hopes that

those who catch that spirit will then say, "We have gone to the moon, where shall we go now?" ☆

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### HAL5's New Meeting Place

For years, the Ponds Restaurant at the Holiday Inn Research Park (site of the Southeast Space Summit), served as the meeting place for the HAL5 Executive Committee and later the Project HALO Technical Committee. At the peak of Project HALO, meetings were held there three times a week. Throughout all those years, the staff of Ponds served the good (and sometimes not-so-good) food with a friendly smile and faithful service.

All that came to an end in early 1999, when the hotel announced that Ponds would be sacrificed to enable the popular Hoppers bar and dance club to expand. The new Hopper "sports bar" has recently opened, but gone is the Ponds buffet (or "trough" as some called it) as well as meeting-compatible tables and chairs. Guests must sit on stools around tiny round tables.

After some experimentation, the HAL5 Executive Committee found a new meeting-friendly site in the back room of the new Piccadilly Cafeteria (formerly Morrison's) at Madison Square Mall. Weekly lunch meetings are held on Thursday from Noon to 1:00 PM. As a HAL5 member, you are welcome to attend, especially if you have an idea you would like HAL5 to work on. ☆

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### HAL5's New Program Night

For years, the HAL5 program night has been held on the 4th Wednesday at the Huntsville Public Library. While the site has appealed to most members, the day has been a problem for many.

The Library had several other openings and a poll of the membership was conducted. The Executive Committee took the final vote based on the results, and the 1st Thursday was selected. The next program night is August 5. ☆

**1999 NSS Strategic Planning**

(by Ron Lajoie, Chapters' Assembly Chair)

On May 27, 1999, the day before the start of the ISDC in Houston, leaders from all aspects of the National Space Society (including Board of Directors, Board of Governors, headquarters staff, and chapters) gathered together for a full day of strategic planning.

The 1999 session was organized by Director Karen Mermel of the Illini chapter and led by Director Chris Pancratz of the DC-L5 chapter. Members of HAL5 who participated included Greg Allison, who is a member of the Board of Directors and is the NSS Vice-President for Chapter Affairs; Gordon Woodcock, who is a member of the NSS Policy Committee and is the NSS Executive Vice-President; and Ronnie Lajoie, who is a member of the NSS Board of Advisors and was the Chair of the NSS Chapters' Assembly.

As shown below, the 1999 Strategic Planning session brought to the forefront two new priorities for the NSS: a Roadmap for our vision, and Projects (both national and chapter level). The top two priorities from last year (Board Reform and Fundraising) have slid to 3rd and 4th place due to progress made in the past year (though much work still needs to be done). The official Board of Directors list ends at four, although the full ordered list from the Strategic Planning session has ten items.

**Strategic Priorities For Year 2000**

1. Philosophy, Policy, Roadmap
2. Projects/ Project Follow-Up
3. Board/Management Reform
4. Fundraising
5. Chapters and Activists
6. Public Relations

The needs of chapters and individual activists came in 5th (the highest priority chapters have ever been in the society), which is great since it is out of 10 items. This in large part was due to the hard work of Ronnie Lajoie (via the

NSS Chapters' Assembly), Greg Allison, and other pro-chapter leaders in the NSS.

Public Relations, a subject near and dear to Karen Mermel's heart (she is NSS Vice-President for Communications), came in 6th place out of 10. The group felt that until our policies and roadmaps are finalized, we have little to publicize. Still, Karen is continuing to improve our Public Relations capabilities and is seeking volunteers within NSS to assist in informing the people (via the media) about our activities and policies.

**NSS Philosophy, Policy, Roadmap**

It has become clear that NSS leaders and NSS chapters cannot adequately "sell" our positive vision of the future (our only real product) without the associated details beyond our simple Vision and Mission statements. We need both physical and electronic "handouts" to describe who we are and where do we want to take humanity (Philosophy), what we stand for (Policies), and how are we going to make our positive vision come true (Roadmap).

HAL5's Gordon Woodcock has been assigned to chair the committee to get our policies and roadmap, and Ron Lajoie has volunteered to serve on the committee. Ronnie will lead a Tactical Planning Session at the Southeast Space Summit with the members of the southeast chapters, to start work on the roadmap, which is now behind schedule. The number one priority of the NSS cannot be made to wait.

**Recommended Actions**

**I. Philosophy, Policy, Roadmap**

- A. Convene Planning Meeting in June 1999
- B. Convene Policy Planning Conference in Sept/Oct 1999
- C. Produce Preliminary Policy Document by December 1999

**II. Projects/Project Follow-up**

- A. Develop Specific Resources to incubate and assist in improving Chapter projects.

- B. Improve coordination, communication and networking of NSS at-large projects. (i.e. Lunar Institute).
- C. Identify a date and resources to conduct an annual national event to be announced at least 12 months prior to date.

**III. Board/Management**

- A. Define Committee Structure and Job Descriptions.
- B. Implement Expectations of Board Members.
- C. Develop an annual plan and schedule.
- D. Communicate reform vision to members and chapters.

**IV. Fundraising**

- A. Develop major donor effort - corporations, individuals, charitable foundations.
- B. Secure the services of a development (fundraising) professional.

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**Ad Astra Survey Processing**

(by Ron Lajoie, Chapters' Assembly Chair)

Thanks to the hard work of many HAL5 members, other NSS chapter members, and other NSS members, every single *Ad Astra* survey was processed, on time!

As reported in the last issue of this newsletter, NSS Headquarters had decided to process only a small sample of the "3000" surveys. Thinking this unfair to those who submitted surveys, I sent out an email alert (in addition to the article) calling on chapter volunteers to help process the returned surveys.

16 volunteers responded to the call, including five HAL5 members: Bryan Jones, Wade Dorland, Gladys Young, Doris Mansfield, and Bruce Cunningham. You all did a great job. Thanks!

The box of "3000" surveys actually had only 1532 forms inside, but still much more than the 253 held by NSS HQ. The results of those 1532 processed surveys are shown on page 8. ☆

# Huntsville Alabama L5 Society (HAL5)

your local chapter of the

## National Space Society

presents



a free public presentation by

**Mr. Scott Motz**

**ISS Space Systems Engineer, The Boeing Company**

**Thursday, August 5, 1999**

**7:00 pm to 8:30 pm at the**

**Huntsville/Madison County Public Library**

The public is invited. Admission is **FREE**. A social at Shoney's will follow the meeting.

For more information: call Ronnie Lajoie at 971-3055 (day) or 721-1083 (evenings).

# HAL5 CALENDAR OF MEETINGS AND EVENTS

## June 1999

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	31	1	2	3 <b>HAL5 &amp; Project HALO Meeting</b> 12p at Piccadilly	4	5
6 ☉ ☽	7	8	9	10 <b>HAL5 &amp; Project HALO Meeting</b> 12p at Piccadilly	11	12
13 ⏸	14 Flag Day	15	16	17 <b>HAL5 &amp; Project HALO Meeting</b> 12p at Piccadilly	18	19
20 ♂ ① Father's Day	21 First Day of Summer	22	23 <b>HAL5 Elections and Planning</b> 7 pm at Library	24 <b>HAL5 &amp; Project HALO Meeting</b> 12p at Piccadilly	25	26
27	28 ☐	29	30	<b>June HAL5 Program Night</b> "Elections and HAL5 Strategic Planning Meeting" (failed to get speaker from Space & Rocket Center) 7-9 PM, Wed., March 31, at Huntsville Public Library		

## July 1999

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>July HAL5 Program — "Southeast Space Summit"</b> with participating chapters of the National Space Society, featuring forums, workshops, meal events, field trips, and more July 17 and 18 at the Holiday Inn Research Park, Huntsville, Alabama				1 <b>HAL5 &amp; Project HALO Meeting</b> 12p at Piccadilly	2	3
4 Independence Day	5	6 ☉ ☽ <b>STEDTrain Meeting</b> 5p, HATS Office	7	8 <b>HAL5 &amp; Project HALO Meeting</b> 12p at Piccadilly	9	10
11	12 ⏸	13 <b>HATS General Meeting</b> 5p, Raytheon	14	15 <b>HAL5 &amp; Project HALO Meeting</b> 12p at Piccadilly	16	17 <b>Space Summit</b> 9 AM to 5 PM Holiday Inn
18 <b>Space Summit</b> 9 AM to Noon Holiday Inn	19 <b>Concert and Fireworks</b> Big Spring Park	20 ♂ ① 30th Anniversary Apollo 11 Moon Landing	21	22 <b>HAL5 &amp; Project HALO Meeting</b> 12p at Piccadilly	23	24
25	26	27	28 ☐ HAL5 Programs moved to First Thursday	29 <b>HAL5 &amp; Project HALO Meeting</b> 12p at Piccadilly	30	31

## August 1999

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4 ☉ ☽	5 <b>HAL5 Program "Space Station"</b> 7 PM at Library	6	7

## Preliminary Results of 1532 NSS *Ad Astra* Survey Forms

1. How valuable is the magazine to you?
  - 42 % Most Important Thing
  - 44 % Very Valuable
  - 12 % Somewhat Valuable
  - 2 % Not Really Important
2. What elements do you find the most important?
  - 17 % All-color format is very important
  - 11 % More pictures and photos
  - 11 % Cut back on color to keep cost low
  - 12 % More articles than more pictures
  - 48 % I like it just as it is!
3. Importance to understanding space developments
  - 51 % Very important
  - 42 % Somewhat important
  - 4 % Doesn't matter to me
  - 3 % I read it mainly for NSS news
4. If the magazine were eliminated, what instead?
  - 18 % A journal-style publication
  - 3 % Newsletter on NSS activities
  - 79 % Don't touch my *Ad Astra*!
5. Please tell us where you read *Ad Astra*:
  - 96 % At home
  - 14 % At work
  - 8 % Like to read on Web too
6. How many people read your *Ad Astra*?
  - 67 % Just me
  - 15 % All in my household
  - 8 % Coworkers at the office
  - 16 % My fellow space enthusiasts
7. Rate parts of *Ad Astra* (1 = most, 10 = least)
  - 2.3 Feature articles
  - 3.5 Mission Control/Spacebeat
  - 4.6 What's Up
  - 5.0 NSS In Action
  - 4.8 News of NSS activities
  - 2.4 News on space developments
  - 4.2 Artwork and photos
8. More info about international space?
  - 88 % Yes
  - 12 % No
9. Please tell us about yourself
  - 28 % New member (< 2 years)
  - 72 % Veteran member (> 2 years)
9. Please tell us about yourself
  - 15 % Employed in space industry
  - 85 % Not employed in space industry
10. What are you most interested in (multi. choice):
  - 51 % Commercial Space
  - 65 % Civil Space (NASA, etc.)
  - 14 % Military Space
11. What are your space priorities?
  - 2.2 Returning to the Moon
  - 3.1 Developing LEO
  - 3.9 Space Tourism
  - 2.4 Human on Mars
  - 3.1 Robotic exploration
12. Other space publications you read?
  - 26 % Final Frontier
  - 22 % Space News
  - 24 % Aviation Week
  - 35 % Astronomy
  - 37 % Discover
  - 35 % Nature/Science
  - 20 % Sky & Telescope
  - 50 % Surf the Web
13. Anything you want to add/remove?
  - 28 % Yes
  - 72 % No
14. Please tell us your background: AGE:
  - 3 % 18-24
  - 13 % 25-35
  - 29 % 36-46
  - 13 % 47-50
  - 23 % 51-65
  - 19 % 65+
15. Please tell us your background: EDUCATION:
  - 6 % High School Diploma
  - 19 % Some college
  - 24 % Bachelor's Degree
  - 14 % Graduate work
  - 37 % Graduate Degree
16. Please tell us your background: INCOME:
  - 11 % Below \$25,000
  - 30 % 25-50,000
  - 24 % 50-75,000
  - 17 % 75-100,000
  - 19 % 100,000+

**NSS Awards Banquet at ISDC**

(by Ron Lajoie, Chapters' Assembly Chair)

The NSS Awards Banquet at the 1999 ISDC prominently featured HAL5 officers Ronnie Lajoie and Greg Allison in their respective roles as outgoing Chair of the NSS Chapters' Assembly and NSS Vice-President for Chapter Affairs.

Ronnie Lajoie received an "NSS Chapters Special Merit Award" for "his outstanding performance and lasting contribution to the Chapters Assembly". The photo at right (by NSS member Craig Ward of the OASIS chapter) shows Ronnie receiving his award from Bruce Boxleitner, new elected member of the NSS Board of Governors, and former star of the hit science fiction series *Babylon 5*. Ronnie gave the following short acceptance speech:

"Thank you very much for this award. I want to quickly thank the NSS chapters, Directors, and Headquarters staff that have supported the Chapters' Assembly the past four years. Together we have made a big difference, and we will continue to improve the society. This year, we had our best meeting yet and we are making great progress. We have a new Chair, Peter Kokh, and Secretary, Bennett Rutledge, and I encourage the rest of you to actively participate in the future. It has been a great four years and thank you again for this recognition."

**Greg Allison Becomes a Preacher**

Greg Allison has been a chapter officer with three separate NSS chapters for a period longer than the National Space Society has existed. In fact, they all started as chapters of the old L5 Society. Greg has long promoted the cause of chapters ever since, even in the face of opposition from some members of the NSS Board of Directors. At the 1999 ISDC NSS Awards Banquet, Greg was finally in a position to voice all of his opinions about chapters. He shook the walls with a thunderous speech that all but declared chapters as the saviors of the National



Ronnie Lajoie receives his award from Bruce Boxleitner.

Space Society. The speech was extremely well received, and many chapter members later thanked him and asked him for copies. The photo below (also by Craig Ward) captures one of the more intense moments in Greg's "fire and brimstone" speech.

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**Text of Greg Allison's Speech**

Hello Ladies and Gentlemen, as introduced, I am Greg Allison, NSS Vice President for Chapters. Most of all I am particularly proud to have the honor of serving as President of the Huntsville Alabama L5 Society, HAL5! We are really the great grand daddy of HAL 9000! Only a few of us L5 chapters remain. God keep us all!

Now onto tonight's business:

Former Speaker of the House, Tip O'Neill was famous for saying "All politics are local." Surely the glitter and charm lie at the centers of power and celebrity, such as Washington DC — but the rubber meets the road in the streets and byways of America and in communities around the globe. The heartbeat of

our enthusiasm lies in the cities and farm communities around the world.

Some have recently asked, "What good are chapters?" The chapters are the homes of the Minute Men of our Revolution — the Revolution of spreading civilization to the stars! But what can chapters do? Chap-

ters are the troops ready to take the dream to the people, the civil engineers of taking concrete steps to enable the processes that will spread humanity to the cosmos. So how are chapters doing this?

Chapter meetings promote the merging of minds which further unfold the vision for a grand future for humanity. Several hundred, maybe even a thousand, chapter displays promoting space development have been set in movie theaters and malls over the past 25 years. More than two thousand public lectures and debates have shaped and promoted the dream. Quite a number of chapters have produced dozens of videos, many of which have been aired on cable access television. Chapter activists frequent local television and



Greg Allison shakes the walls with his chapters speech.

radio broadcast. Newspapers run articles on their activities. Chapters have helped reshape the way space is seen in the local communities.

Chapters have collected tens of thousands of signatures on petitions calling for more rapid space development. At the last Democratic Convention in Chicago the chapters of the midwest region showed up in force and staged a major pro-space demonstration. When environmentalist protested the launch of Casini, they were shocked and blown out of the water by the counter-demonstration of the Metro Orlando chapter. Chapter newsletters go out into the communities spreading the good news for the future. Many chapters help with student science fairs and classroom activities which teach the importance of space exploration and development. Inspired children often inspire parents.

Chapter-run International Space Development Conferences (ISDC's) and regional conferences have provided the glue which has held our NSS activist community together. These events have reached out into numerous communities and provided a positive face for the NSS.

When you mentioned space settlements, space tourism, and private enterprise in space 20 years ago everyone would laugh at you. Today this is the policy and business of the space community. Now Richard Branson and others are talking of plans to build hotels in space! Chapters, through their broad outreach programs, played an instrumental role in effecting this paradigm shift.

Chapters are not content just to influence public, governmental, and corporate policy. A number of chapters are researching the technologies for space settlement and preparing missions, and even flight vehicles intended to penetrate space. Some chapters have simply decided not to wait on others. They are blazing their own pathways to space! Chapters have sponsored and assisted student payloads which flew in Space Shuttle Get-Away-

Special (GAS) Canisters. Chapters have designed space habitats, and space hotels. Some NSS chapters have even performed research under NASA contract, or entered cooperative agreements with NASA.

The Lunar Reclamation Society, and the Oregon L5 Society are leading the way in the study building a civilization on the Moon. The Space Nursing Society looks at health care and medical research in space. The United Societies in Space is actively setting up a system for governance in space. The Education Chapter teaches the young that there is hope for the future. And the rest of the chapters spread that gospel through local television, radio, and lecture series.



Two years ago HAL5 launched a balloon launched the HALO SL-1 hybrid rocket to 36 nautical miles! One year latter a second launch attempt was made. While less than a success the rocket was recovered. The HALO SL-2 rocket is waiting in the wings (pending additional funding) to punch out 70 nautical miles and place the NSS firmly into space. Compare that to the multi billion dollar launch catastrophes of the industry over the past six months. The professionals are making the amateurs look absolutely GREAT! To date this local chapter program has sung to the tune of \$40,000 in funds raised and expended toward the goals of the HALO Program. It all started on less than half of the surplus revenue from a chapter run ISDC.

So (one more time) what good are chapters? Chapters are the crown jewels of the National Space Society. It is our chapters that distinguish us from so

many other organizations. What (once again) can chapters do? Anything that fits within the realm of their imagination and sheer determination. So far — the limits are undiscovered! Chapters, I say unto you, reach for the stars!

So I now bring to you the chapter awards:

**Chapter Excellence Awards:**

The NSS Chapter Excellence Award is the highest award a chapter can receive. It is given to chapters whose pursuit of the NSS's vision is representative of the best that our chapters have to offer. This year we have two winners:

For their work in researching the use of lava tube caverns as sites for lunar settlements under contract to NASA this year we grant the Explorer Award to the Oregon L5 Society. Members of the chapter please stand and be recognized. Would Mr. Bryce Walden please come forward and receive this award?

A number of chapters such as the Oregon L5 and HAL5 pursue major projects which generate a lot of visibility. Some chapters do an awful lot of smaller things. Some times the small things really add up. Consider the following preamble to on of the chapters annual activity report:

“In addition to the meetings of the <bleep> chapter and its Executive Committee, the Chapter performed and/or was involved in a variety of activities most of which are enumerated below, chronologically, in space education (classroom visits, teacher training workshops, scholarships and sponsorships); public advocacy (speaker programs, radio-TV interviews, and editorial writing); newsletter production, exhibits at libraries or educational institutions and museums, and Space-week activities); social events; sponsorship/cosponsorships of science fairs, aerospace shows and campus events; participating in science engineering and technology, schools and colleges, enumerated chronologically below:”

The four pages of details that followed were so loaded that it knocked me out! This vast array of little things added up so much that this year we recognize as Chapter of the Year the Wichita Chapter of the NSS. Members of the chapter please stand and be recognized. Would Mr. Randall Chambers please come forward and receive this award?

**Special Merit Awards:**

Special Merit Awards are given to chapters whose programs show exceptional quality and effectiveness. For these awards I'll pass the certificates out after the program has ended. This year's winner were:

They provide the NSS with an electronic newsletter. For Chapter Newsletter we recognize the National Space Society, Boston Chapter. Members of the chapter please stand and be recognized.

This chapter placed booths at local science fiction conventions, provided public lectures, and an active community speakers bureau. For Community Service we recognize OASIS. Members of the chapter please stand and be recognized.

This chapter is developing the means to inspire our youth. For the Education Award we recognize the NSS Education Chapter. Members of the chapter please stand and be recognized.

For promoting community events and making several in studio guest appearances on local television news programs we recognize for the category of Publicity and Media the Western Space Port Chapter. Members of the chapter please stand and be recognized.

This community once had a strong chapter. Then it faded away. Then like the Phoenix of legend it roared back to life. They now have one or two programs a month. For the Most Improved Chapter we recognize the NSS Atlanta chapter. Members of the chapter please stand and be recognized.

Members of this chapter participated in precinct and district political party caucuses. Their elected chapter delegate made a presentation to the issues committee and was able to get Access to Space and Commercial Space Act items added in the primary plank. For Political Activism we recognize the Austin Space Frontier Society. Members of the chapter please stand and be recognized.

Some chapters dream big. Some take big actions. They don't come much bigger than the cruise ship Queen Mary. This chapter managed the exhibit on the Queen Mary, which was sponsored by the Space Tourism Society. It was the largest space event of its type anywhere in the country last year. They also conduct two to three public programs per month. For Public Outreach we recognize the Orange County Space Society. Members of the chapter please stand and be recognized.

This chapter provides a newsletter which serves many chapters. They conduct basic research to enable the settlement of space. Hopefully the companies that take us there will include the ones they have spun off. Last year they ran a very fine ISDC. For Service to the Society we recognize the Lunar Reclamation Society. Members of the chapter please stand and be recognized.

**Meritorious Service Awards:**

Meritorious Service Awards are given to chapters that show consistent quality in their activities. For these awards please hold you applause till I have announced each one. Again I'll pass the certificates out after the program has ended. This year's winners were:

- NSS of North Texas
- New Frontier Society
- of Greater Rochester
- DC-L5 Society
- Clear Lake Area Chapter NSS
- Huntsville Alabama L5 Society

Would Members of each of these chapters please stand and be recognized.

**Appreciation and Thanks Award:**

This year we also want to give one more recognition. This brand new chapter has stipulated in their by-laws that all chapter members shall be members of the NSS. Even with that stipulation they have posted 34 members for their first year. This year we choose to express our appreciation and thanks to the Most Promising New Chapter, the NSS United States Air Force Academy Chapter. Members of the chapter please stand and be recognized.

Ladies and Gentlemen, I hope we have communicated the value of our chapters to each of you. Chapters are a place where you can interact with people of like mind. The atmosphere in most chapters is warm. It is a place where you can meet new people and make friends. Best of all it is a place where you can help advance the goals of our society. Chapters enrich and add meaning to the lives of many space activist.

The chapters are active but they do need help to carry on these programs, to expand their out-reach, and most of all to work together and communicate more effectively with the rest of the society. That's where you can come in. I would like to ask each of you, if you are not already active in a chapter, to approach or start a local chapter and at least offer some of your services. Even if you just lift a finger once a year — every little bit counts. If each of you invested as much of yourself in a chapter as you have in coming here it would go a long way. Do something extra to promote the future we all seek!

Finally I would like to ask each of you who are a member of a chapter, any chapter at all please stand and be recognized.

To the rest I say, these are your friends. Join with them. Support space from the grass roots. Join a chapter!

With that I say, may your destiny be in space, Ad Astra and goodnight! ☆

**HAL5 Membership Report**

The following is a list of additions to the current paid membership of HAL5, which includes 32 renewals and 10 new members, for a total of 42. Welcome to all our new and renewed members!

Bryan	Jones	(R)
Amy	Herring	(R)
William	Axenroth	(R)
Ellen	Cozelos	(N,Comm.)
Bruce	Cunningham	(R)
Martha	Feld	(P)
Kenneth	Mitchell	(N)
Timothy	Pickens	(R)
Clayton	Sawyer, Jr.	(R,D)
Michael	Skinner	(N,D)
Jerri	Solomon	(N,D)
Sidney	Solomon	(N)

- (N) - New Member
- (R) - Renewed Member
- (P) - Past Member
- (D) - Included a Donation

HAL5 welcomes back its previous members and also past member Martha Feld, who helped us greatly with the Junior Cadet Track for the 1993 ISDC.

HAL5 also welcomes its new members, including Ellen Cozelos, Kenneth Mitchell, Michael Skinner, and Jerri and Sidney Solomon. Ellen was just elected our new Communications Chair.

HAL5 gratefully thanks the many members who included a donation with their membership. Outgoing Secretary Clay Sawyer joined as a Supporter member. Michael Skinner donated to Project HALO and bought our last XL HALO T-shirt. Jerri Solomon generously donated surplus computers to HAL5 as well as \$200 in cash to pay for

**Upcoming Events of Interest to HAL5 Members**

Tue., July 13 — 5:00 - 7:00 PM     **HATS General Membership Meeting**, at the Raytheon Conference Room, 306 Wynn Drive, Huntsville; free pizza and drinks; questions: 256-837-4287 or hats@advicom.net.

Thu., July 15     **Apollo Saturn V Mockup**, scheduled completion date

Sat., July 17 to Sun., July 18     **HAL5 hosts the Southeast Space Summit**, at the Holiday Inn Research Park, Huntsville; \$TBD fee; questions: 721-1083

Sat., July 17 — 9:00 - 10:00 AM     **“Passing the Torch”** relay race starting at the Rocket Park at NASA Marshall, Huntsville; small entree fee.

Sat., July 17 — 9:00 AM to close     **“The Dream is Alive”** art exhibit opens in the EarlyWorks Museum, 404 Madison Street, downtown Huntsville, Alabama. Free admission to exhibit. For more info, call 256-564-8100.

Sat., July 17 — 3:00 - 4:00 PM     **“Footprints to the Future”** dedication at NASA Marshall. Apollo astronauts will be casting their footprints for permanent display near a new fountain to be unveiled at the ceremony.

Sun., July 18 — 7:00 - 11:00 PM     **“Apollo Astronaut Celebration”** with Apollo astronauts, plus a reenactment of the first moon landing, at the U.S. Space and Rocket Center, Huntsville. Tickets are \$10 for adults, \$7 for children ages 4-12. For more information, call 721-7106.

Mon., July 19 — 7:00 - 9:30 PM     Concert beneath the shuttle, then Reenactment of the first moon landing at 9 PM with fireworks after, at the U.S. Space and Rocket Center, Huntsville. Tickets are \$8 for adults, \$5 for children ages 4-12. For more information, call 721-7106.

Tue., July 20 — 9:00 - 9:30 PM     Reenactment of the first moon landing at 9 PM with fireworks starting at 9:20 PM, at the U.S. Space and Rocket Center, Huntsville. Tickets are \$8 for adults, \$5 for children ages 4-12. For more information, call 721-7106.

Thu., Aug. 5 — 7:00 - 8:30 PM     **HAL5 Program** on **“The International Space Station”** by Mr. Scott Motz, Space Systems Engineer, at Huntsville Public Library, 915 Monroe Ave.; free; questions: 256-971-3055

upgrades. Thank you all very much! HAL5 also thanks members Martha Feld, Ellen Cozelos, Kenneth Mitchell, and Jerri and Sidney Solomon for joining the National Space Society as well. HAL5 is participating in the new NSS “Campaign for the Future” membership drive (see page 7 for details). ☆

**Special Announcement**

**HAL5 Southeast Space Summit**

**with leaders and members from NSS chapters around the region**

**Saturday, July 17 and Sun. July 18**

**Huntsville Alabama L5 Society**  
 PMB 168, 1019 Old Monrovia Road  
 Huntsville, AL 35806-3505  
 ADDRESS CORRECTION REQUESTED

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