

# SPACE CAMP NEWS



Vol. 9 No. 1



The Official Newsletter of

Space Camp & Space Academy



Winter 1993

## Looking Ahead to the 1993 Season

During the 1992 season, we talked with many trainees who have attended more than one SPACE CAMP program. Some have attended between five and 10 times. (There is a separate story in this edition about some of those trainees.)

We asked them why they kept coming back, year after year. A response we heard time and again was the fact that there is always something new to do. You'll be glad to know that "something new" will continue to be the case in 1993.

If you haven't already received one, call for the new application guide for full details. 1-800-63 SPACE. In the meantime, we'll cover a few highlights.

SPACE CAMP trainees (grades 4-6) in Huntsville will now conduct TWO one-hour simulated space missions during 5-day sessions. Two missions provide the opportunity for trainees to swap roles from shuttle crew to mission control.

SPACE ACADEMY, Level I students (grades 7-9) will build their own rockets in 1993. Previously, rocket building has been done on a team basis.

SPACE ACADEMY, Level II (grades 10-12) is adding an upper structure to the space station node used during shuttle missions. The node will



include a control panel and windows for communications and observation of EVA's on the Training Center Floor.

BASIC AVIATION CHALLENGE has added more session dates in 1993. Week-long sessions will now run from late February through September. INTERMEDIATE trainees will experience a new curriculum built around a 5-day mission that ends with an exciting 12-hour adventure. It combines all the aviation training and land and water survival experiences of the week.

New aircraft on display at AVIATION CHALLENGE will include a T-38 and a MIG-17.

These are only a few of the things planned for the 1993 season. More about new simulators and activities are included on an inside page of this edition. Welcome to the new season!

## U.S. SPACE CAMP® Trainees Say Once is Not Enough

Jenny Garner, Stuart Feldman, Adam Raleigh and Analda and Carmella House live hundreds, even thousands of miles apart. They know little, if anything, about each other. But, they share a common bond.



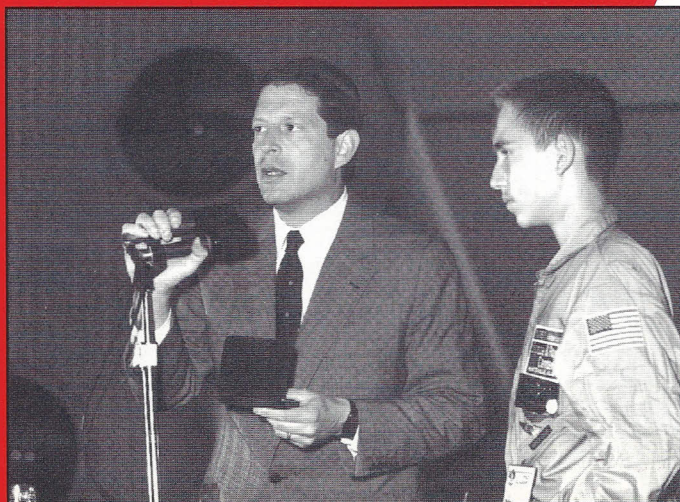
*Jennifer Ritz*

All are among a growing number of trainees who have attended U.S. SPACE CAMP programs at least five times. They see their year to year experiences as motivation for achieving educational and career goals.

Jenny Garner, 17, of Hollywood, Fla., has attended 10 times including three sessions in SPACE  
*continued inside page*

## Vice President-Elect Gore Receives SPACE CAMP Medallion

Vice President-Elect Al Gore holds a U.S. SPACE CAMP-medallion presented to him by SPACE ACADEMY, Level I graduate Jeremy Carter of Columbus, Ind. Gore visited Huntsville during the recent presidential campaign. His daughter Karenna attended SPACE ACADEMY, Level I in 1985.





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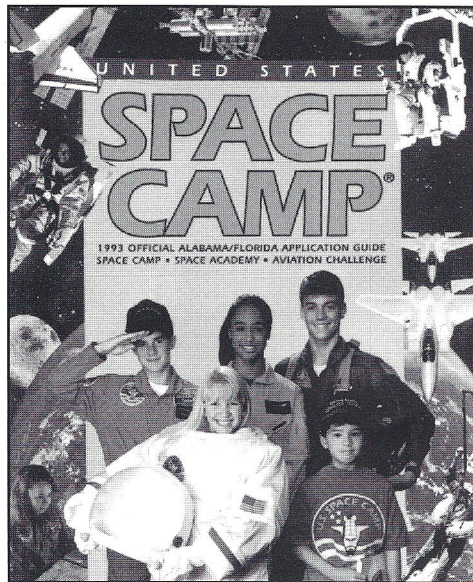
CAMP, two in ACADEMY I, two in ACADEMY II, and three in AVIATION CHALLENGE.

She says her experiences have helped her decide on curriculum choices as she pursues her goals of attending a military academy and flight school. Her ultimate goal is to pilot a space shuttle. She even has a back-up plan.....study bio-medical engineering or take a traditional pre-med curriculum in college.

Jennifer Ritz, 16, of Greensboro, N.C. has returned to SPACE CAMP programs seven times because "each year there is something new to do." She says "half the fun is meeting new people and making new friends" and believes her experiences, especially in AVIATION CHALLENGE, are helping her toward her goal of being a fighter pilot.

Like most trainees, Jennifer take a well-rounded approach to school. While she devotes primary attention to her favorite subjects of math, science and english, she is also a varsity cheerleader and a member of the student council, school band and track team.

Stuart Feldman, 15, of Augusta, Ga., credits his five program experiences with helping him reach his decision to become an astronautical engineer. He says the sessions at SPACE CAMP, ACADEMY and AVIATION CHALLENGE "opened my eyes to what is out there better than school has done."

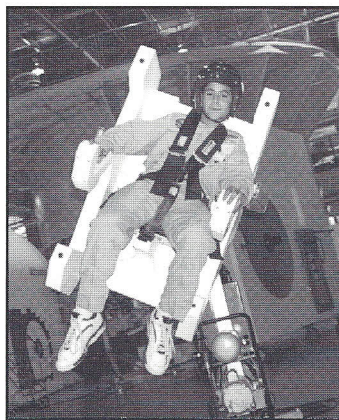


## 1993 SPACE CAMP Guide It's Yours For the Asking!

Call now to receive your 1993 Official Alabama/Florida Application Guide. Inside you will find all the latest information about SPACE CAMP, SPACE ACADEMY, AVIATION CHALLENGE and other programs.

The 32-page guide will answer your questions about session dates, tuition, discounts and how to make reservations and flight arrangements. Act now to receive the information you need to schedule the 1993 session you want.

**Call 1-800-63 SPACE**



*Stuart  
Feldman*

Stuart also credits his ACADEMY II training with enhancing his interpersonal skills and deductive reasoning. "You learn how to lead, how to solve problems, and how to reach a short term goal," he explained.

Adam Raleigh, of Chesterfield, Mo., says he would like to be among the space pioneers who step foot on Mars. The high school sophomore believes he's on the right path, having enrolled in a math-science intensive curriculum.

He says SPACE CAMP/ACADEMY and AVIATION CHALLENGE training have been an aid to his education. "When I went back to school, it made math click in," he says. "Math became enjoyable because I was able to relate stuff at school with things at Camp."

Carmella House, 13, of Evansville, Ind., has a goal of attending SPACE CAMP programs at least 13 times. She and older sister Analda, 16, have attended nine programs between them.

Analda, who plans to study physics in college, says she now has a reinforced desire to excel in school. Carmella adds, "Things you just touch on in school, you go into depth here (at SPACE CAMP)."



*Jenny Garner*

Both young women would like to work with NASA in the future—but SPACE CAMP/ACADEMY and AVIATION CHALLENGE will do for now.

"It is my vacation and the thing I look forward to most," concludes Carmella.



*Analda and Carmella House*

## How To Save Money

There are more ways than ever before to save money on your tuition in 1993. Here's a brief rundown.

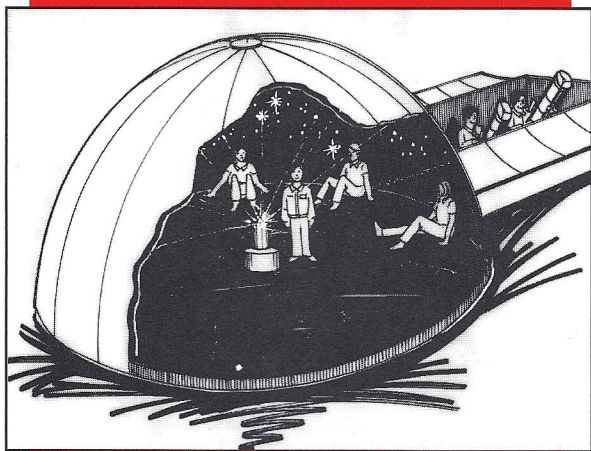
- Save \$125 by registering for a Spring or Fall session of SPACE CAMP, SPACE ACADEMY, Level I or AVIATION CHALLENGE.
- Save \$50 through the buddy discount by attending with a friend before May 31, 1993.
- When more than one child from the same family with the same address attends any program during the same week, the first child will be at full tuition and each additional child will receive a 10 percent discount.
- If you have attended three sessions of SPACE CAMP, ACADEMY or AVIATION CHALLENGE, you will receive a 10 percent discount when attending your fourth through seventh sessions. Registration for your eighth (or more) session qualifies you for a 25 percent discount.
- If you attend two programs in consecutive weeks, a 10 percent discount is offered on the second week.
- School groups, 4-H clubs, scout troops and others of 15 or more can qualify for group discount rates. Ask for SPACE CAMP Group Reservations when you call the toll-free number.

For full details on all these ways to save money, call 1-800-63 SPACE. Be sure and ask for your free 1993 Official Alabama/Florida Application Guide.



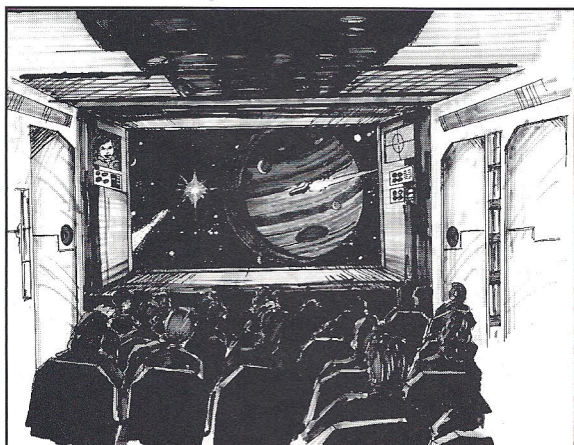
# NEW IN 1993!

Here are some new simulators, training devices and expansion projects scheduled for 1993.



## OBSERVATORY/ PLANETARIUM Huntsville, Alabama

The Observatory/Planetarium is planned for use in late 1993 and will be located near the Space Habitat dormitory. It will be used day and night by all youth programs to study the constellations, with and without the use of telescopes.



## JOURNEY TO JUPITER Huntsville, Alabama

This motion based simulator will take 30 passengers at a time on a trip into the universe aboard a futuristic public shuttle. U.S. SPACE CAMP and ACADEMY trainees and U.S. Space & Rocket Center visitors will experience fly-by's of a space station, space colonization and the planet Jupiter on a action and information-packed voyage filled with sight, sound and motion. The new simulator is slated to open in mid-March.

## ZERO "G" WALL (Huntsville and Titusville)

This "task board in the sky" will challenge SPACE CAMP and ACADEMY mission and space station specialists to build space structures and conduct satellite rescue operations through a variety of EVA's (Extra Vehicular Activities). The object is to use a series of hand and foot restraints to scale the wall and complete assignments.

## GEMINI ASTRONAUTS ADDED TO HALL OF FAME (Titusville)

The U.S. Astronaut Hall of Fame and SPACE CAMP Florida will expand in 1993 with the induction of 13 Gemini astronauts.

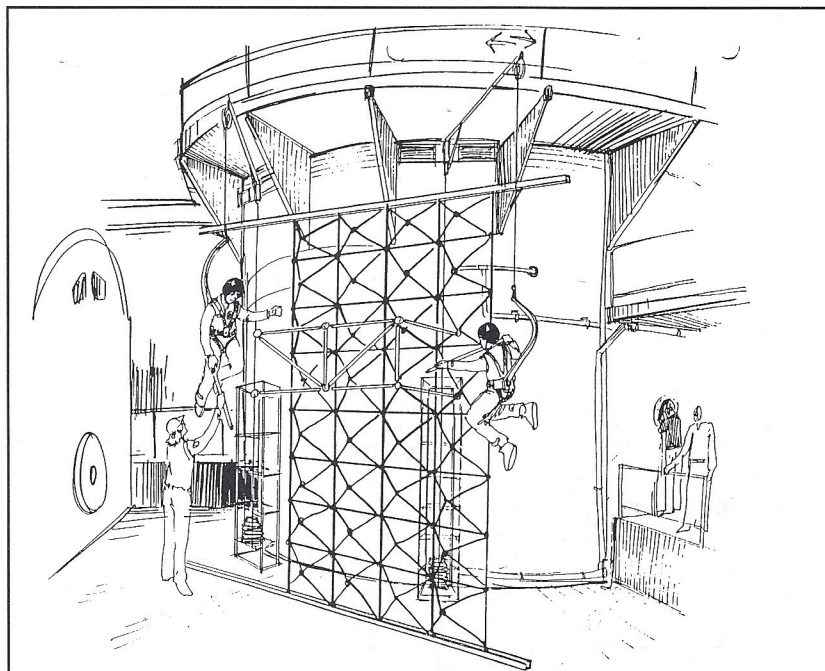
The space pioneers will join America's original astronauts, the Mercury 7, in the Hall of Fame. Their contributions to space exploration will be told through the use of personal memorabilia and historical artifacts.

Expansion at the Hall Theater will include an interactive exhibit area and a large screen video presentation in surround sound.

## SPEED COMES TO SPACEDOME THEATER Huntsville, Alabama

# **SPEED**

SPEED, the newest Spacedome Theater feature, utilizes Star Trek-type special effects during a 33-minute wild ride that traces the development of technology. Viewers will be pedaled, driven, flown, rocketed and blasted through time and space to the edge of the universe and beyond. Trainees may also see The Blue Planet and The Dream is Alive.







## New U.S. SPACE CAMP Program Aimed at Corporate America

Attention, previous adult graduates! If you are a part of corporate America and want your fellow workers to share in your SPACE ACADEMY experience, you will want to know more about CORPORATE SPACE ACADEMY.

It's a new program.....designed to let executives train like astronauts while they learn how to be better, more productive employees.

The weekend sessions, on selected dates, provide seminars and training tailored to the employee needs of each participating company. Special emphasis is placed on leadership, teamwork, problem solving, planning and quality management.

Tuition is \$1,350 per participant and includes food, lodging at the Space Center Marriott Hotel, flight suit, space shuttle model, training materials, a personalized team video and a guest astronaut speaker.



More information on how employees of your company can participate is available through the toll-free 1-800-63 SPACE number.

## More 24-Hour Missions Set for ACADEMY II

Good news for SPACE ACADEMY, Level II students who asked for the return of the 24-hour simulated space shuttle missions!

Eight youth sessions and two adult sessions in 1993 will include the 24-hour mission. All other Level II sessions will feature a 12-hour mission.

The expanded mission includes up to

### YOUTH LEVEL II PROGRAM

Session #8 Feb. 20-27  
Session #10 March 6-13  
Session #19 May 8-15

Session #20 May 15-22  
Session #37 Sept. 11-18  
Session #42 Oct. 16-23

Session #46 Nov. 13-20  
Session #50 Dec. 11-18

### ADULT LEVEL II PROGRAM

Session #45 Nov. 6-13

Session #49 Dec. 4-11

two six-hour EVA's that feature the capture, repair and re-deploy of a satellite, and building an Access Tower. Meals will be eaten in the Training Center's Enterprise orbiter.

Here's a complete list of sessions and dates. Call 1-800-63 SPACE now to make your reservations while space is still available.

## Scholarship Awarded From Contest Entries

Jarrod A. Jabre, 10, of Emerado, North Dakota is the winner of a scholarship to U.S. SPACE CAMP. Jarrod's entry was drawn from entries received in the National Launch System Contest in the Winter 1992 issue of SPACE CAMP NEWS.

He, like many other entrants, chose the system name as Columbus and named the three vehicles Nina, Pinta and Santa Maria. Jarrod will receive free tuition and air travel to either SPACE CAMP, SPACE ACADEMY, Level I or AVIATION CHALLENGE.

Jarrod said he chose the names because "this is the 500th year of Columbus discovering the new world. This new system will be the Columbus of the future."

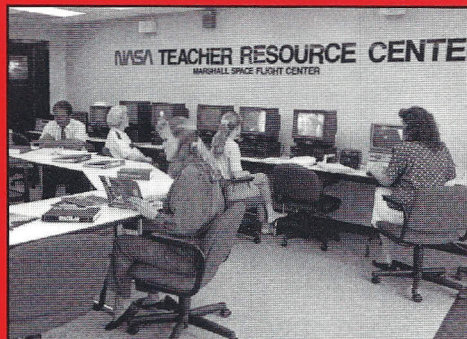
He added, "This new system will allow us to explore space and find new lands as Columbus did in 1492. It seems fitting that on the 500th anniversary of his finding our new world, we are again searching to better our lives for everyone."

As we explained in the summer 1992 issue, SPACE CAMP decided to draw one winner for what we felt was an obligation to our readers following the cancellation of the actual contest by NASA and the U.S. Air Force.

The contest cancellation occurred after NASA decided the National Launch System vehicle family might undergo significant modifications and budget restraints.

Therefore, the contest winner's selection of names should in no way be interpreted to be the official or unofficial name of any future NASA vehicle.

## NASA Teacher Resource Center Has New Look, More Information



Teachers attending the U.S. SPACE ACADEMY FOR EDUCATORS programs in Huntsville will find much to offer at the newly renovated NASA Teacher Resource Center. Educators may copy from a large variety of videotapes, slides and computer software to develop lesson plans for teaching math, science and space science in the classroom. The user-friendly resource center is conveniently located at U.S. SPACE CAMP.

## From The Mailbag

Send your letters and comments about your experiences in SPACE CAMP programs and your future plans to: Editor, SPACE CAMP NEWS, P.O. Box 070015, Huntsville, AL 35807-7015.

Here are some responses received since the last newsletter:

*"I wish it could have lasted two weeks. It really helped me get my grades up in math and science."*

Lisa Sheely, LaCrosse IN

*"I have attended Space Camp and Levels I and II of Space Academy. I am attending Boston University where I plan to major in Planetary and Space Sciences (double major astronomy and geology). Overall, you have had a MAJOR impact on my life."*

Krista Fingerhut, St. Louis, MO  
Three Time Graduate

*"I am currently at the United States Air Force Academy as a basic cadet. I'd like to thank Space Camp for sponsoring such programs (Academy I and II). I really believe that they increased my chances of being appointed to the Air Force Academy."*

Cadet Christina Carlina, U.S.A.F. Academy, CO  
Level I and II Graduate

*"My daughter and I were at the first ever Parent-Child Weekend and we are still talking about how great it was! To take a break from our hectic schedules and have an entire weekend devoted just to the two of us was a definite boon to our relationship."*

Charlotte Whetstone, Titus, AL

*"In high school I am taking all accelerated courses with an emphasis on science and math. I have traveled all over Ohio speaking to groups of adults and children about Space Academy. I credit Space Academy for all the great things that have happened to me as I prepare for my future in the space program."*

Nicholas A. Cianciolo, Piqua, OH  
Level I and II Graduate

*"As I watched my son graduate from your Basic Aviation Challenge program, I couldn't help but feel enormous pride for his accomplishments and gratitude for your terrific programs. I'm sure that the things he's learned will enable him to maintain his straight A average. He is already talking about ways to earn the money to attend Space Academy Level II."*

Chris & Gale Peters, Dallas, TX



# 1993 SESSION DATES

Call 1-800-63-SPACE to reserve your mission date

## GRADES 4,5,6

### U.S. SPACE CAMP (Alabama)

SESSION/DATE	SESSION/DATE
39 Sept 27-Oct 2 '92	20 May 16-21
40 Oct 4-9 '92	21 May 23-28
41 Oct 11-16 '92	22 May 30-June 4
42 Oct 18-23 '92	23 June 6-11
43 Oct 25-30 '92	24 June 13-18
44 Nov 1-6 '92	25 June 20-25
45 Nov 8-13 '92	26 June 27-July 2
46 Nov 15-20 '92	27 July 4-9
53 Nov 22-27 '92	28 July 11-16
48 Nov 29-Dec 4 '92	29 July 18-23
49 Dec 6-11 '92	30 July 25-30
50 Dec 13-18 '92	31 Aug 1-6
52 Dec 27-Jan 1	32 Aug 8-13
8 Feb 21-26	33 Aug 15-20
*68 Feb 24-March 1	34 Aug 22-27
9 Feb 28-March 5	35 Aug 29-Sept 3
*69 March 3-8	36 Sept 5-10
10 March 7-12	37 Sept 12-17
*70 March 10-15	38 Sept 19-24
11 March 14-19	39 Sept 26-Oct 1
*71 March 17-22	40 Oct 3-8
12 March 21-26	41 Oct 10-15
*72 March 24-29	42 Oct 17-22
13 March 28-April 2	43 Oct 24-29
*73 March 31-April 5	44 Oct 31-Nov 5
14 April 4-9	45 Nov 7-12
*74 April 7-12	46 Nov 14-19
15 April 11-16	47 Nov 21-26
*75 April 14-19	48 Nov 28-Dec 3
16 April 18-23	49 Dec 5-10
*76 April 21-26	50 Dec 12-17
17 April 25-30	51 Dec 19-24
18 May 2-7	52 Dec 26-31
19 May 9-14	

## GRADES 4,5,6,7

### U.S. SPACE CAMP (Florida)

SESSION/DATE	SESSION/DATE
9 Feb 28-March 5	21 May 23-28
10 March 7-12	22 May 30-June 4
*70 March 10-15	23 June 6-11
11 March 14-19	24 June 13-18
*71 March 17-22	25 June 20-25
12 March 21-26	26 June 27-July 2
*72 March 24-29	27 July 4-9
13 March 28-April 2	28 July 11-16
*73 March 31-April 5	29 July 18-23
14 April 4-9	30 July 25-30
*74 April 7-12	31 Aug 1-6
15 April 11-16	32 Aug 8-13
*75 April 14-19	33 Aug 15-20
16 April 18-23	34 Aug 22-27
*76 April 21-26	35 Aug 29-Sept 3
17 April 25-30	36 Sept 5-10
18 May 2-7	37 Sept 12-17
19 May 9-14	38 Sept 19-24
20 May 16-21	39 Sept 26-31

## GRADES 7,8,9

### AVIATION CHALLENGE Basic

SESSION/DATE	SESSION/DATE
*68 Feb 24-March 1	25 June 20-25
*69 March 3-8	26 June 27-July 2
*70 March 10-15	27 July 4-9
*71 March 17-22	28 July 11-16
*72 March 24-29	29 July 18-23
*73 March 31-April 5	30 July 25-30
*74 April 7-12	31 Aug 1-6
*75 April 14-19	32 Aug 8-13
*76 April 21-26	33 Aug 15-20
*77 April 28-May 3	34 Aug 22-27
*78 May 5-10	35 Aug 29-Sept 3
*79 May 12-17	36 Sept 5-10
21 May 23-28	37 Sept 12-17
22 May 30-June 4	38 Sept 19-24
23 June 6-11	39 Sept 26-Oct 1
24 June 13-18	

## GRADES 7,8,9

### U.S. SPACE ACADEMY Level I

Same as U.S. SPACE CAMP Alabama

## GRADES 10,11,12

### AVIATION CHALLENGE Intermediate

SESSION/DATE	SESSION/DATE
74 April 7-12	28 July 11-16
75 April 14-19	29 July 18-23
76 April 21-26	30 July 25-30
77 April 28-May 3	31 Aug 1-6
78 May 5-10	32 Aug 8-13
79 May 12-17	33 Aug 15-20
21 May 23-28	34 Aug 22-27
22 May 30-June 4	35 Aug 29-Sept 3
23 June 6-11	36 Sept 5-10
24 June 13-18	37 Sept 12-17
25 June 20-25	38 Sept 19-24
26 June 27-July 2	39 Sept 26-Oct 1
27 July 4-9	

## GRADES 10,11,12

### U.S. SPACE ACADEMY Level II

SESSION/DATE	SESSION/DATE
39 Sept 26-Oct 3 '92	25 June 19-26
40 Oct 3-10 '92	26 June 26-July 3
41 Oct 10-17 '92	27 July 3-10
42 Oct 17-24 '92	28 July 10-17
43 Oct 24-31 '92	29 July 17-24
44 Oct 31-Nov 7 '92	30 July 24-31
45 Nov 7-14 '92	31 July 31-Aug 7
46 Nov 14-21 '92	32 Aug 7-14
53 Nov 21-28 '92	33 Aug 14-21
48 Nov 28-Dec 5 '92	34 Aug 21-28
49 Dec 5-12 '92	35 Aug 28-Sept 4
50 Dec 12-19 '92	36 Sept 4-11
52 Dec 26-Jan 2 '92	37 Sept 11-18
8 Feb 20-27	38 Sept 18-25
9 Feb 27-March 6	39 Sept 25-Oct 2
10 March 6-13	40 Oct 2-9
11 March 13-20	41 Oct 9-16
12 March 20-27	42 Oct 16-23
13 March 27-April 3	43 Oct 23-30
14 April 3-10	44 Oct 30-Nov 6
15 April 10-17	45 Nov 6-13
16 April 17-24	46 Nov 13-20
17 April 24-May 1	47 Nov 20-27
18 May 1-8	48 Nov 27-Dec 4
19 May 8-15	49 Dec 4-11
20 May 15-22	50 Dec 11-18
21 May 22-29	**52 Dec 26-Jan 2
22 May 29-June 5	
23 June 5-12	** Sunday-Sunday due to holiday
24 June 12-19	

## ADULT

### U.S. SPACE ACADEMY Level I

SESSION/DATE	SESSION/DATE
40 Oct 2-4 '92	28 July 16-18
41 Oct 9-11 '92	29 July 23-25
42 Oct 16-18 '92	30 July 30-Aug 1
43 Oct 23-25 '92	31 Aug 6-8
45 Nov 6-8 '92	32 Aug 13-15
46 Nov 13-15 '92	35 Sept 3-5
17 April 30-May 2	36 Sept 10-12
18 May 7-9	37 Sept 17-19
19 May 14-16	38 Sept 24-26
20 May 21-23	39 Oct 1-3
21 May 28-30	40 Oct 8-10
22 June 4-6	41 Oct 15-17
23 June 11-13	42 Oct 22-24
24 June 18-20	43 Oct 29-31
25 June 25-27	44 Nov 5-7
26 July 2-4	45 Nov 12-14
27 July 9-11	

\*Wednesday-Monday Spring Blue Week Sessions

## ADULT

### U.S. SPACE ACADEMY Level II

SESSION/DATE	SESSION/DATE
43 Oct 24-31 '92	43 Oct 23-30
45 Nov 7-14 '92	45 Nov 6-13
46 Nov 14-21 '92	46 Nov 13-20
48 Nov 28-Dec 5 '92	48 Nov 27-Dec 4
49 Dec 5-12 '92	49 Dec 4-11

## ADULT

### AVIATION CHALLENGE

SESSION/DATE	SESSION/DATE
21 May 28-30	35 Sept 3-5
22 June 4-6	36 Sept 10-12
23 June 11-13	37 Sept 17-19
27 July 9-11	38 Sept 24-26
32 Aug 13-15	

## PARENT/CHILD

### Florida Campus

SESSION/DATE	SESSION/DATE
41 Oct 9-11 '92	26 July 2-4
48 Nov 27-29 '92	27 July 9-11
52 Dec 26-28 '92	28 July 16-18
1 Jan 1-3	29 July 23-25
3 Jan 15-17	30 July 30-Aug 1
6 Feb 12-14	31 Aug 6-8
18 May 7-9	32 Aug 13-15
19 May 14-16	33 Aug 20-22
20 May 21-23	34 Aug 27-29
21 May 28-30	35 Sept 3-5
22 June 4-6	37 Sept 17-19
23 June 11-13	40 Oct 8-10
24 June 18-20	47 Nov 26-28
25 June 25-27	52 Dec 26-28

## PARENT/CHILD

### Alabama Campus

SESSION/DATE	SESSION/DATE
1 Jan 1-3	28 July 16-18
6 Feb 12-14	29 July 23-25
17 Apr 30-May 2	30 July 30-Aug 1
18 May 7-9	31 Aug 6-8
19 May 14-16	32 Aug 13-15
20 May 21-23	33 Aug 20-22
21 May 28-30	34 Aug 27-29
22 June 4-6	35 Sept 3-5
23 June 11-13	36 Sept 10-12
24 June 18-20	43 Oct 29-31
25 June 25-27	47 Nov 26-28
26 July 2-4	50 Dec 17-19
27 July 9-11	

## EDUCATORS

### SPACE ORIENTATION: HANDS ON (Alabama)

SESSION/DATE	SESSION/DATE
22 May 30-June 4	28 July 11-16
23 June 6-11	29 July 18-23
24 June 13-18	30 July 25-30
25 June 20-25	31 Aug 1-6
26 June 27-July 2	32 Aug 8-13
27 July 4-9	

## EDUCATORS

### SPACE ACADEMY (Alabama)

SESSION/DATE	SESSION/DATE
11 March 14-19	31 Aug 1-6
30 July 25-30	

## EDUCATORS

### SPACE ACADEMY (Florida)

SESSION/DATE	SESSION/DATE
45 Nov 10-15 '92	28 July 13-18
6 Feb 9-14	31 Aug 3-8
25 June 22-27	45 Nov 9-14



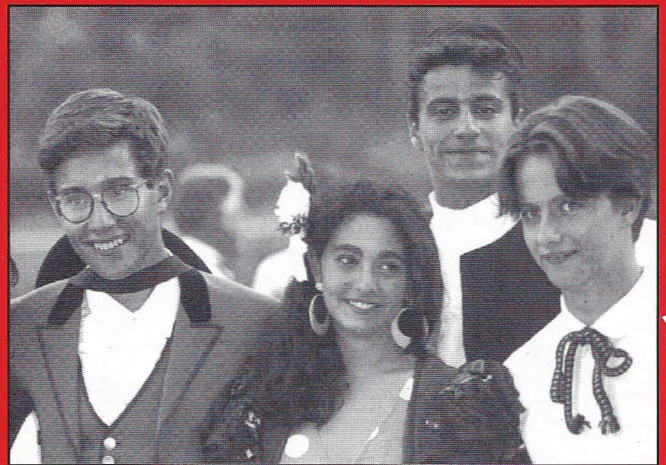
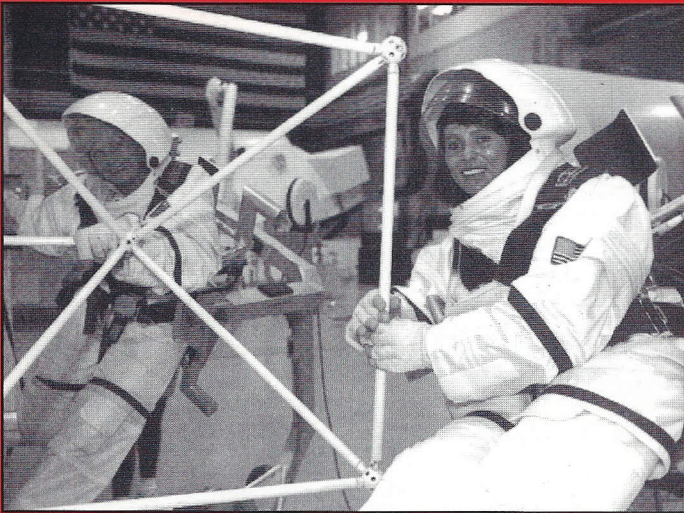
# International SPACE CAMP 1992!

A portion of the world gathered at U.S. SPACE CAMP/Huntsville in late summer.

The third annual International SPACE CAMP brought together students and educators from 30 nations and 48 of America's Teachers of the Year. The result was a renewed sense of cooperation, learning, expanded awareness, and excitement about space exploration.

Cultural and language differences were set aside as the international participants worked together in astronaut training and simulated space shuttle missions. They toured the sites of Washington, D.C., were addressed by NASA Administrator Daniel Goldin and capped off a week-long stay in Huntsville with a visit from Nichelle Nichols, featured as Lieutenant Uhura in the Star Trek television and movie series.

Plans are already underway for International SPACE CAMP 1993, tentatively set for August 1-6. Some 42 nations are being invited.



## U.S. Space & Rocket Center

One Tranquility Base  
Huntsville, AL 35807



Campuses in Alabama and Florida

Non-Profit  
Organization  
U.S. Postage  
**PAID**  
Huntsville, AL  
Permit No. 523