



Space Congress Programs

4-21-1987

1987 Twenty-Fourth Space Congress Preliminary Program

Canaveral Council of Technical Societies

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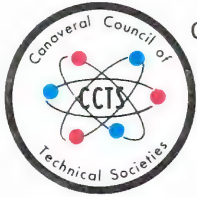
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CANAVERAL COUNCIL OF TECHNICAL SOCIETIES
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TWENTY-FOURTH SPACE CONGRESS

COCOA BEACH, FLORIDA

APRIL 21, 22, 23, 24, 1987

PRELIMINARY PROGRAM

_____ I Will be playing golf.

Name _____ Average Score _____

Name of Partner _____ Average Score _____

_____ Separate check for \$25 per person.

_____ Included \$25 in Registration.

MAKE CHECKS PAYABLE TO:
Twenty-Fourth Space Congress.

CLIP AND
MAIL TO EITHER
COCOA BEACH HILTON
1550 N. ATLANTIC AVENUE
COCOA BEACH, FL 32931
(305) 799-0003

OR

HOLIDAY INN*
1300 N. ATLANTIC AVENUE
COCOA BEACH, FL 32931
(305) 783-2271

*Headquarters Hotel

**All Reservations should be made by March 19, 1987

REGISTRATION FORM

CLIP AND MAIL
WITH CHECK TO:

James H. Beardall
Registration Chairman

TWENTY-FOURTH SPACE CONGRESS
230 Artemis Blvd.
Merritt Island, FL 32953

Cost
\$110

PACKAGE REGISTRATION
(Includes 4 items listed below)

Tuesday Banquet
Wednesday Luncheon
Proceedings
Registration

25
8
65
25

NAME _____ POSITION _____

HOME ADDRESS _____ COMPANY _____

CITY _____ STATE _____ ZIP _____

SPOUSE'S NAME (if attending) _____

Motel reservations for the 24th Space Congress

Please Print or Type

Attn. Reservation Manager
Special Request:

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____

PLEASE INDICATE DESIRED ACCOMMODATIONS

Arrival Date _____ Departure Date _____

_____ Number rooms 1 double bed _____ Number rooms 2 double beds

Reservations must be guaranteed by a major credit card or advance deposit of one night's room rental.
CREDIT CARD NAME (Circle one) MC, VISA, AMEX, DINER'S, CARTE BLANCHE
Credit Card Number _____

CHAIRMAN'S MESSAGE



Space exploration has stimulated the imagination of mankind throughout most of modern history. It has been this fascination with space — our quest for knowledge — that has led to some of the most exciting advancements of this century.

The **Twenty-Fourth Space Congress** will capture this excitement through four days of panel sessions, paper presentations and social activities. "**Space — the Challenge, the Commitment**" was selected by the Space Congress committee to capture the flavor of America's current space program. This past year was the most challenging year in the history of our space program, and through that experience have gained a renewed commitment to maintaining leadership in space exploration.

The Congress has historically been a gathering of some of the sharpest minds in the aerospace industry, both nationally and internationally. This year that tradition will continue. As you glance through this preliminary program, you will find sessions on the most current topics in the industry, such as America's plans for return to flight, Space Station update, Department of Defense initiatives in space and assessments on the commercialization of space.

The technical paper sessions will be jammed full of information on leading technology and innovations. Other topics include space colonization, computers — today and tomorrow, and other nation's launch vehicles, technology developments, and orbital activities programs.

We welcome back Congressman Bill Nelson who will once again open the Congress with the keynote address. Having experienced space travel firsthand, Congressman Nelson can provide valuable insights on the direction of the space program.

The committee is also planning an expanded exhibit hall where the leading companies in the space business will "display their wares." The Youth Science Fair and the Meet the Astronauts Panel will also be featured. And finally, the very popular golf tournament is planned for the closing day of the Congress.

A new feature of this event will be the improved Proceedings. We have planned a very exciting package to help you pull together the essence of this stimulating symposium. We are again offering the Proceedings at a discounted price when purchased with the Space Congress package.

I look forward to a very exciting, rewarding Congress and hope that you will join me and the Space Congress committee at this Twenty-Fourth annual event.

J.R. Dubay
General Chairman
Twenty-Fourth Space Congress

PROGRAM

TUESDAY, APRIL 21

KEYNOTE ADDRESS (8:30 a.m. to 9:00 a.m.)

Beach Theater

Speaker: Congressman Bill Nelson
Florida, Eleventh District
Member, Committee on Banking, Finance,
and Urban Affairs
Member, Committee on Science & Tech-
nology
Chairman, Subcommittee on Space Science
& Applications

PANEL SESSION I (9:00 a.m. to 11:30 a.m.)

SPACE SHUTTLE RETURN TO FLIGHT

Beach Theater

Panel Chairman: Mr. Arnold D. Aldrich
Director, NSTS Program Office
NASA Headquarters
Washington, D.C.

Schedule and progress status on changes being
made before flight resumption.

Lunch Meet the Press

PAPER SESSION I (1:00 p.m. - 4:00 p.m.)

A. SPACE COLONIZATION

Beach Theater

Session Chairwoman: Dr. B. J. Bluth
Space Station Program Office
NASA Headquarters
Washington, D.C.

A look over the horizon to concepts of planetary
travel; living and working in the solar system.

B. EUROPEAN TECHNOLOGY DEVELOPMENT

Holiday Inn, Manatee Rooms A&B

Session Chairman: Dr. Hans Kappler
Vice President of External Relations and Advanced
Programs
MBB-ERNO
Bremen, Germany

An up-to-date review of the European approach to
research and development in space related tech-
nologies

C. FREE-WORLD EXPENDABLE LAUNCH VEHICLES

Holiday Inn, Manatee Rooms C&D

Session Chairman: Mr. Joseph B. Mahon
Deputy Associate Administrator for Space Flight
(Acting)
NASA Headquarters
Washington, D.C.

The free world's fleet of expendable rockets; their
capabilities, applications, and configuration for the
1990's.

SPACE CONGRESS BANQUET

Officer's Club Patrick Air Force Base

Social Hour: 7:00 p.m.

Dinner: 8:00 p.m.

Program: 9:00 p.m.

Speaker: To Be Announced

WEDNESDAY, APRIL 22

PANEL SESSION II (8:30 a.m. to 11:30 a.m.)

SPACE STATION

Beach Theater

Panel Chairman: Mr. Andrew J. Stofan
Associate Administrator for Space Station
NASA Headquarters
Washington, D.C.

Current status of program technical activities and
schedules.

LUNCHEON (11:45 a.m.)

Holiday Inn, Manatee Rooms

Speaker: To Be Announced

PAPER SESSION II (2:30 p.m. to 5:30 p.m.)

A. SPACE STATION TECHNOLOGIES

Beach Theater

Session Chairman: Mr. James W. Johnson
Deputy Manager, Space Station Project Office
John F. Kennedy Space Center, FL

Status of developing technologies required to meet
the goals of the international space station.

B. SPACE STATION SERVICING

Holiday Inn, Manatee Rooms A&B

Session Chairmen: Mr. Donald Molgaard
Gamma Ray Observatory/STS Interface Manager, TRW
Los Angeles, CA
Mr. Gordon Rysavy
Satellite Service Project Engineer
Johnson Space Center
Houston, TX

A perspective on the complexities of operating and
maintaining the numerous systems aboard a 150
ton space infrastructure.

C. COLUMBUS AND EURECA

Holiday Inn, Manatee Rooms C&D

Session Chairman: Mr. Gerhard Altmann
Head, Columbus Systems and Projects Department
European Space Agency
Noordwyk ZH
Netherlands

Insight into the concept and development of the European elements of the international space station.

COCKTAIL PARTY (5:45 p.m. to 7:00 p.m.)

Cocoa Beach Hilton

THURSDAY, APRIL 23

PANEL SESSION III (8:30 a.m. to 11:30 a.m.)

DEPARTMENT OF DEFENSE SPACE PROJECTS
Beach Theater

Panel Chairman: Lt. Gen. Aloysius G. Casey
Commander, Space Systems Division, AFSC
Los Angeles AFS, CA

Reexamination of requirements and resources for overall program activities.

PAPER SESSION III (1:00 p.m. to 4:00 p.m.)

A. SECOND GENERATION STS/LAUNCH VEHICLE TECHNOLOGY

Beach Theater

Session Chairmen: Dr. Gerald D. Walberg
Chief, Space Systems Division
NASA, Langley Research Center
Hampton, VA
Lt. Col. Frank Gasperich
Special Assistant to Commander for STS Headquarters
AFSTC/SW-1

Kirtland AFB, New Mexico

A conceptual view of new technologies required for operationally efficient launch vehicles and launch systems of the future.

B. COMPUTERS – TODAY, TOMORROW

Holiday Inn, Manatee Rooms A&B

Session Chairman: Mr. Glenn H. Mucklow
Systems Engineer
Office Automation System

John F. Kennedy Space Center, FL

A survey of the latest developments in computer capabilities and a preview of things to come.

C. CONTRACTS AND MANAGEMENT

Holiday Inn, Manatee Rooms C&D

Session Chairman: Rear Admiral Stuart J. Evans,
(USN Retired)

Assistant Administrator for Procurement
NASA Headquarters
Washington, D.C.

An in-depth review of new and changing developments affecting regulations and practice applicable to aerospace operations.

SPACE CONGRESS RECEPTION (6:00 p.m. to 8:00 p.m.)

Holiday Inn Deck

PANEL SESSION IV (7:30 p.m. to 9:30 p.m.)

MEET THE ASTRONAUTS

Galaxy Theater, KSC Visitors Information Center

Panel Chairman: Lt. Gen. Forrest McCartney

Center Director, NASA

John F. Kennedy Space Center, FL

Shuttle astronauts to be named.

FRIDAY, APRIL 24

PANEL SESSION V (8:30 a.m. to 11:30 a.m.)

SPACE COMMERCIALIZATION

Beach Theater

Session Chairman: Mr. Isaac T. Gillam, IV

Assistant Administrator for Commercial Programs

NASA Headquarters

Washington, D.C.

Assessing progress and clarifying recent events in private sector involvement.

PAPER SESSION IV (12:45 p.m. to 3:15 p.m.)

A. TECHNOLOGY SPINOFFS

Holiday Inn, Manatee Rooms A&B

Session Chairman: Mr. Ronald Thornton

Director, NASA/Southern Technology Applications
Center

University of Florida

Gainesville, FL

The what, where, when and how of the mass of technologies developed under NASA contracts that finds its way into the American market place.

B. SPECIAL SUBJECTS

Holiday Inn, Manatee Rooms C&D

Session Chairman: Mr. Samuel T. Beddingfield

Beddingfield Aerospace Consultants

Titusville, FL

Topics of interest in space education and awareness.

SPACE CONGRESS GOLF TOURNAMENT

11:30 a.m. to 5:00 p.m. (Approx.)

Cocoa Beach Golf Course

MISSILE, SPACE AND RANGE PIONEERS' ANNUAL BANQUET

7:00 p.m. to 10:00 p.m.

Officer's Club Patrick Air Force Base

Held in conjunction with Space Congress

REGISTRATION

Registration will be set up in the Dolphin Room of the Holiday Inn. Sessions will be held in the Manatee Rooms of the Holiday Inn and at the Beach Theater. Fill out form on reverse side to pre-register by mail. Register early to assure Banquet tickets. Registration also available for partial attendance at \$5.00 per session.

EXHIBITS

Exhibits will include displays of the Space Shuttle, Shuttle payloads, Space Station, and communication satellites. The Exhibit hall will be open to the public daily at 11:00 a.m. Tuesday through Thursday in the Cocoa Beach Hilton.

YOUTH SCIENCE FAIR

Regional Youth Science Fair Displays and demonstrations will be open to the public in the Dolphin Room at the Holiday Inn. Exhibits will be judged and awards presented on Thursday evening, April 23, immediately preceding the "Meet the Astronauts" panel session.

STUDENT DISCOUNT

Students may attend individual panel or paper sessions at a special rate of \$2.00 per session payable at the registration desk.

SPONSOR

The TWENTY-FOURTH SPACE CONGRESS is sponsored by the Canaveral Council of Technical Societies (CCTS). The council is composed of the Cape Canaveral area affiliates of 26 national, technical, and professional societies and an advisory group. Included in the group are Brevard Community College, The Brevard Economic Development Council, Florida Institute of Technology, the Florida Solar Energy Center, and Embry-Riddle Aeronautical University. CCTS Societies:

Air Force Association
Armed Forces Communication Electronics Association
American Institute of Architects
American Institute of Aeronautics & Astronautics
American Institute of Industrial Engineers
American Meteorological Society
American Society of Civil Engineers
American Society of Heating, Refrig. & A/C Engineers
American Society for Industrial Safety
American Society of Mechanical Engineers
American Society for Nondestructive Testing
American Society for Quality Control
American Society of Safety Engineers
American Society for Training and Development
American Welding Society
Florida Engineering Society
Institute of Electrical & Electronic Engineers

Instrument Society of America
Missile, Space & Range Pioneers, Inc.
National Contract Management Association
National Association of Accountants
Society of Manufacturing Engineers
Society for the Advancement of Materials & Process Engineering
Society of Logistics Engineers
Society of Photo-Optical Instrumentation Engineers
Society for Technical Communication

PIONEERS' DAY

The Missile, Space and Range Pioneers' cocktail party and banquet at the Patrick Air Force Base Officer's Club will commence at 7:00 p.m. on Friday evening, April 24, following the TWENTY-FOURTH SPACE CONGRESS. The Pioneers is a non-profit organization founded for the purpose of furthering interest in our nation's space programs and providing an opportunity for people associated with missile, space and range activities to meet socially and renew acquaintances. For information write PIONEERS, P.O. Drawer H, Patrick Air Force Base, FL 32925.

AIRLINES

Major airlines serving the Cocoa Beach area through Orlando jetport include: Air Atlanta, American, British Airways, Continental, Delta, Eastern, Florida Express, Icelandic Air, Midway Metrolink, Pan Am, Piedmont, Presidential, TWA, United, and USAir. Delta, Eastern, and Presidential serve the Melbourne Airport. Limousine service is available from both airports to Cocoa Beach.

AUTO RENTALS

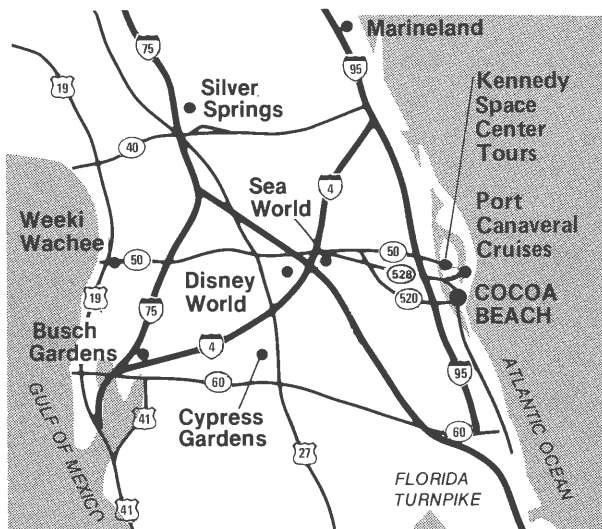
Reservations and rentals can be made at Cocoa Beach or at the Melbourne and Orlando airports.

Agencies include:

American International	ECONO-CAR
AVIS	HERTZ
BUDGET	NATIONAL

ATTRACTION CENTERS

Late April in Florida is a delightful time of the year for the entire family. The weather is pleasant, the hardy find the Atlantic warm enough for swimming and tourist attractions are not yet crowded, **Cocoa Beach** offers a long stretch of swimming beach, surfing areas, and both deep-sea and shore fishing. **Sea Escape** one day cruises and three and four day cruises aboard the **SS Oceanic** or the **SS Royale** can be enjoyed from Port Canaveral. Bus tours of the **Kennedy Space Center** and **Cape Canaveral Air Force Station** are available from the **KSC Visitors Center** where a free exhibit-filled space museum can be enjoyed by both children and adults.



Within one to two hours drive is a world of vacation fun in the Magic Kingdom of **Walt Disney World** and **Epcot Center** – **Sea World**, one of America's finest marine attractions – the mystery and excitement of Africa in **Busch Gardens** – famed Glass Bottom boats at **Silver Springs** – the beautiful gardens and daily water ski revue with lovely aquamaids at **Cypress Gardens**.

SPACE CONGRESS GOLF TOURNAMENT

Golfers can enjoy a tournament at the Cocoa Beach Golf Course on Friday, April 24th.

The tournament will be a four player, select shot format, as in the past. You may sign up with one partner or by yourself. The tournament committee will assign teams based on playing ability. Fill in your name and average score for 18 holes on the registration form, along with the same from your partner, and enclose \$25, each person, for the fee. A maximum of 128 players will be registered on a first come, first in basis. Lunch, refreshments on the course, green fees, carts, and trophies are included in the fee. Lunch at 11:30 a.m., and shotgun start at 12:30 p.m. will allow completion in time for Pioneers' Banquet attendance.

Transfer of golf registration will be permitted with notification by April 14th. No refunds will be made after April 1st.

INFORMATION

Further questions regarding participation in the TWENTY-FOURTH SPACE CONGRESS should be directed to Twenty-Fourth Space Congress, P.O. Box 1333, Cocoa Beach, FL 32931, or by telephone to (305) 867-6444.