

World Space Week 2001

Report to the Committee on the Peaceful Uses of Outer Space

Scientific and Technical Subcommittee

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Prepared by

Spaceweek International Association

In cooperation with the United Nations Office for Outer Space Affairs

Table of Contents

1	<i>Introduction</i>	3
2	<i>Recommendations</i>	4
3	<i>World Space Week 2001 Results</i>	5
3.1	Overview	5
3.2	Africa.....	8
3.3	Asia and Pacific	10
3.4	Europe.....	17
3.5	North America & Caribbean	23
3.6	Latin America	28
4	<i>Background Information</i>	31
4.1	Background of World Space Week	31
4.2	Spaceweek International Association	32

1 Introduction

This document contains the annual report on the growing international celebration of World Space Week. It documents what occurred during World Space Week 2001 and recommends steps to make future World Space Weeks even more successful.

Recommended by UNISPACE III, World Space Week was officially declared in 1999 by the United Nations General Assembly. The objective of this event is to increase awareness among decision makers and the public at large of the benefits of the peaceful uses of space. The dates of World Space Week are 4-10 October annually.



A total of 37 states reported participated in World Space Week 2001. Government agencies, industry, schools, science museums, and other institutions in participating nations held a wide variety of events.

With so many activities in a single week, World Space

Week efficiently reaches the public through both attendance and mass media coverage. It is an efficient tool to help implement a wide range of UNISPACE III recommendations.

The theme of World Space Week 2001 was "Inspiration from Space." This was depicted in the World Space Week 2001 poster on the cover of this report. The theme for World Space Week 2002 will be "Space and Daily Life."

This report was prepared by Spaceweek International Association (SIA), which supports the United Nations Office for Outer Space Affairs in the global coordination of World Space Week, for the Scientific and Technical Committee of COPUOS. SIA is a non-profit organization led by representatives of 16 states. SIA is dedicated completely to supporting the UN in the coordination of World Space Week and is honored to serve COPUOS and its member states.

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2 Recommendations

This section identifies what could be done by government agencies and other institutions to help make World Space Week more successful.

1. Schedule Events During World Space Week. Organizations are encouraged to celebrate World Space Week on a scale appropriate with the resources that they may have. States with large space programmes could make this the one of the biggest event of their annual public relations and education programmes. The China National Space Administration, for example, has organized extensive and highly visible activities annually during World Space Week. Another excellent example has been set by Poland. Participation can be as simple as rescheduling existing events and programmes to occur during 4-10 October and incorporating “World Space Week” into the event name and publicity. This can be done with no additional resources and yet be very effective in increasing the global visibility of World Space Week.

2. Support National Coordination. Organizations are requested to support the promotion and coordination of World Space Week in their state. Please look in this report to see if there is a coordinator in your state. If there is, your support for the coordinator is requested. If there is not one, please identify a coordinator in your state and inform SIA.

3. Support the Global Coordination. Help is especially needed in coordinating World Space Week at the global level. Organizations are encouraged to make voluntary contributions for World Space Week to the UN Office for Outer Space Affairs and Spaceweek International Association. Recognition will be provided all supporters. The Association has provided a mechanism to accelerate the development of World Space Week. It provides dedicated support to the UN and organizations around the world which participate in World Space Week. To provide this support, the Association is appealing for donated funds and/or staff. ESA for example recently made such a voluntary contribution of funds to the Association.

4. Participate in International Youth Programs. There are several youth-related programmes that can be supported, including bilateral or multilateral programmes:

- A. States are encouraged to provide teachers with materials to use space during World Space Week to excite children about learning. The Association can provide examples of such materials. These materials are now being used in several states.
- B. To recognize and encourage participation, national or regional awards can be given to teachers and students for projects completed during World Space Week. Winners can then compete for global awards that are given each year by the Association. In 2001, winners were selected from Croatia, USA, and Turkey. Please contact SIA if you wish to nominate a teacher or student for the World Space Week 2002 awards.
- C. States with space-related facilities could sponsor visits to those facilities by youth from other states during World Space Week. Such visits could foster global awareness of the international nature of space and encourage the understanding of youth for the peaceful applications of space. The Association is considering coordinating such a programme at an international level if enough states are interested. Please contact SIA for more information.

3 World Space Week 2001 Results

This section contains an overview, followed by all reports received from participating organizations in World Space Week 2001. Please note that only reports received by SIA are included in this report. SIA apologizes if any information about World Space Week was not received by SIA. Please submit any additions or corrections to admin@spaceweek.org.

3.1 Overview

This section provides general information and a summary of World Space Week 2001 participation.

3.1.1 Secretary General's Message

The following message from UN Secretary General Kofi Annan was issued on the occasion of the beginning of World Space Week 2001 on 4 October, 2001:

*Message from the UN Secretary General
For World Space Week 2001*

The theme for this year's observance of World Space Week, "Inspiration from Space," celebrates the many ways in which space has improved our lives by sparking creativity in the arts and sciences.

Space is a part of the world's cultural heritage. It has inspired generations of artists, poets, scientists and musicians. Throughout history, societies have admired and searched for meaning in the same night sky.

Indeed, space exploration can help bring cultures together. Manned space missions today are rarely top-secret national projects. Much more common are international crews, with members from a variety of backgrounds. Crews live together in cramped and challenging conditions for months, sharing experiences, customs and, above all, the enthusiasm for space that brought them together in the first place. Their missions capture the imaginations not only of their native lands, but of people around the world.

Space is also helping us to address some of today's most urgent problems. Space technology has produced tools that are transforming weather forecasting, environmental protection, humanitarian assistance, education, medicine, agriculture and a wide range of other activities. And of course, a fascination with space leads many young people to pursue careers in science and technology, helping developing countries in particular to build up their human resources, improve their technological base and enhance their prospects for development.

World Space Week is an occasion to be inspired anew by the wonders of outer space -- and to rededicate ourselves to sharing those inspirations and discoveries with all humanity.

3.1.2 Participation Summary by State

The following chart summarizes the participation of states in World Space Week.

World Space Week Participation by Region and State

Only states with reported activity are listed

Region	State	Confirmed WSW 2000 Participation	Confirmed WSW 2001 Participation	National Coordinator	SIA Director or Officer
Africa	Algeria				
	Ghana				
	Libya				
	Morocco				
	Nigeria				
	South Africa				
Asia & Pacific	Australia				
	China				
	India				
	Indonesia				
	Iran				
	Iraq				
	Japan				
	Malaysia				
	Nepal				
	Pakistan		x		
	Philippines		x		
	Saudi Arabia				
	Turkey				
	Europe	Austria			
Belgium					
Croatia					
France					
Germany					
Greece					
Hungary					
Ireland					
Italy					
Netherlands					
Poland					
Portugal			x		
Romania					
Russia					
Slovenia					
Spain					
Sweden			x		
United Kingdom					
Latin America		Argentina			
	Brazil				
	Chile				
	Columbia				
	Mexico		x		
	Panama				
North America & Caribbean	Canada				
	Cuba				
	Trinidad & Tobago				
	United States				
Totals	47	31	37	43	16

x = Reported no participation.
= No report



Children in Columbia listen with great interest during World Space Week.

3.1.3 National Coordinators

This shows states with volunteer national coordinators of World Space Week.

Region	State	Name		Organization
Africa	Algeria	Azzedine	Oussedik	Centre National des Techniques Spatiales
	Ghana	Kwaku	Bonsu	Ashanti Space Agency
	Libya	Hadi	Gashut	Libyan Center for Remote Sensing and Space Science
	Morocco	Driss	El Hadani	Royal Centre for Remote Sensing
	Nigeria	R. A.	Boroffice	National Space Research and Development Agency
	South Africa	Marina	Joubert	Foundation for Education, Science and Technology
Asia & Pacific	Australia	Kerrie	Dougherty	Space Summit
	China	Dept. of	Foreign Affairs	China National Space Administration
	India	MYS	Prasad	Indian Space Research Organization
	Indonesia	Harijono	Djojodihardjo	Institute of Technology Bandung
	Iran	Parviz	Tarikhi	Iranian Remote Sensing Center
	Iraq	Ali	Al-Mashat	Government of Iraq
	Japan	Kunio	Fukui	Japan Space Forum
	Malaysia	Zamri	Shah	Ministry of Science, Technology, and the Environment
	Pakistan	M. Nasim	Shah	SUPARCO
	Saudi Arabia	Muhammad	Hakami	Jeddah Science & Technology Centre
	Turkey	Hassan	Nuranoglu	Space Research Working Group Turkey
Europe	Austria	Gudrun	Weinwurm	Österreichisches Weltraumforum
	Belgium	Caroline	De Vos	SpaceChecker
	France	Michel	Laffaiteur	CNES
	Greece	Vassilis	Cassapoglou	Greek Centre of Space Science and Technology
	Hungary	Elod	Both	Hungarian Space Office

	Ireland	Ed	Barnett	Armagh Planetarium
	Netherlands	Arthur	Eger	Space Expo
	Poland	Adam	Ustynowicz	Committee on Space Research, Polish Academy of Sciences
	Portugal	Manuel Matos	Lopes	Universidade de Lisboa
	Romania	Marius-Ioan	Piso	Romanian Space Agency
	Russia	Vladimir	Vozzhov	Department of International Cooperation
	Slovenia	Orest	Jarh	Technical museum of Slovenia
	Spain	Alider	Cragolini	Instituto Nacional de Técnica Aeroespacial
	Sweden	Börje	Brandt	Rymdtekniknätverk
	United Kingdom	Christopher	Welch	Space Education Council
Latin	Argentina	Victor	Capeluto	St. Peter's School
America	Brazil	Tania Maria	Sausen and Joao Vaz	Spaceweek Brazil Committee
	Chile	Fernando	Mujica	Aeronautical Engineer
	Columbia	Beatriz	Rua	Voz Infantil- Hola Juventud members of WYESR-Colombia
	Mexico	José Luis	Martínez-Flores	Universidad Nacional Autónoma de México
	Panama	Azael	Barrera	Universidad Catolica Santa Maria La Antigua
North	Cuba	Loudres Palacio	Suarez	Instituto de Geofisica y Astronomia
America &	Trinidad & Tobago	Hollis	Sankar	Corinth Teachers College
Caribbean	United States	Pat	Dasch	U.S. World Space Week Coordinating Committee

3.2 Africa

3.2.1 Algeria

For the celebration of World Space Week 2001 in Algeria, as the National Center of Spatial Techniques (CNTS) is the only educational and research institution in Algeria which activate in the spatial techniques field, we plan to have many simultaneous events towards essentially the university students, the teachers in the educational sector and the scientific associations (mainly in the astronomy field).

Preliminary Program

- Preparation of an astronomy Telescope site at Assekrem (Hoggar / South of Algeria) for an association of young amateur astronomers. GPS link for the determination of the orientation
- GPS campaign in the north of Algeria for geodynamical studies (continuous observations of 8 sites with one week period)
- The organization of one week school on spatial techniques for teachers (in mathematics and physics) of the educational field.
- The invitation of an astronaut for the animation of conférences during the spaceweek 2001.
- Conférences on the spatial applications for university students.

- Observation by night of the lunar crescent, using ephemeris, during the Ramadan (religious feast) 2001.
- Scientific exhibition on spatial techniques during the "national day of science".
- Installation at the CNTS of the ALSAT-1 control station, first Algerian micro satellite. Presentation of a link with the UoSAT-12 satellite for students community during the spaceweek 2001.

Exhibition

- Organization of an international seminar about spatial techniques in collaboration with national institutions (Universities of Oran and Blida, Research Center of Astronomy and Geophysics 1 CRAAG, Development Center of advanced technologies 1 CDTA)

3.2.2 Ghana

World Space Week takes place at the Kwame Nkrumah University of Science & Technology, Kumasi from 4th - 10th October 2001, Prof. E. Y. Sarfo, Pro Vice Chancellor (KNUST) event Director.

There will be a film show on GBC-TV from 4 to 10 October. Other programmes will also go on the air from FM stations throughout the country.

The anniversary posters attached with letters introducing World Space Week to the general public, has been distributed.

A poster exhibition is also planned.

3.2.3 Libya

The Libyan Center for Remote Sensing & Space Science is the Officially Authorized Center for matters related to Remote Sensing and Space Technology and Activities in Libya. Also, it is the institution that is responsible for the celebration of World Space Week in Libya. The celebration of World Space Week in Libya will take place on 9 and 10 Oct 2001.

Event on remote sensing in Libya during World Space Week.



3.2.4 Morocco

For World Space Week last year (2001) the CRTS organized in collaboration with ministry of education (academy of Casablanca) during a week an exhibition on space dedicated to the themes: Space, How dose it work? and space, What are the uses?

A second part of this exhibition was composed of a series of satellite images over different regions of Morocco.

Several conferences were organized during this week on space applications.

3.2.5 Nigeria

World Space Week was marked with various activities in Nigeria. The activities were organized by the National Space Research and Development Agency. The objectives of the activities were in line with the overall objectives of World Space Week.

The activities were particularly focused on (i) stimulating interest of high school students in science, engineering, and space science, and (ii) measuring the level of awareness among policy/decision makers on the role that space technology could play as a component of a national strategy for socio-economic growth and development.

A debate involving four high schools on the "Relevance of Space Science and Technology in Nigeria" was broadcast on the National Television during World Space Week. A symposium was organized on the topic "Space Technology as a Tool for Socio-economic Growth and Development." Participants include Space Image Inc., Globecom Systems Inc., and Dallas Telecommunications Inc. (all USA). All government ministries and agencies that could benefit from space applications participated. Private sector companies in the space industry also participated.

3.2.6 South Africa

In Bloemfontein, where the Boyd Observatory is situated, two activities were arranged with World Space Week in mind:

On 11 October, Mr Gerrit Penning presented a talk on "the International Space Station and its relevance for the Life Sciences" to an audience of about 50 students from several different schools;

On 20 October, Prof. AE Schoch presented a talk on "Between Mars and Venus" to an audience from the general public of about 100 people.

For the year 2002, the Foundation for Education, Science and Technology (FEST), has undertaken to act as coordinator for South Africa's participation, so we look forward to much increased participation under the capable guidance of FEST.

3.3 Asia and Pacific

3.3.1 Australia

The National Space Society of Australia's Sydney Chapter will be holding a Space Day on Sunday October 7 at the Sydney Observatory (part of the Powerhouse). This will include educational displays, 'water rocket' launches and a talk on the exploration of Mars.

The Central Coast branch of the NSSA (covering the area between 50 and 80 miles north of Sydney) will be presenting the Central Coast Space Expo, which will be a two-day event on October 11 and 13. This will feature a major astronaut talk in the regional town of Gosford on October 11 and an all-day space activities event, with talks, demonstrations, a portable planetarium and lots of other activities on October 13 at the Central Coast Campus of the University of Newcastle.

The Australian Space Research Institute will hold its annual sounding rocket launch campaign at Woomera as a Space Week event on Sept 29-Oct. 1. This event and some general Australian space education activities will be covered by the television magazine show 'Rove' (on the national 10 Network) to promote future interest in World Space Week activities.

A Space Expo will be held on the Central Coast in New South Wales the week following World Space Week. See fact sheet at www.spaceweek.org.

3.3.2 China

In accordance with the proposals by the UN COPUOS concerning the activities of the World Space Week, and the Spaceweek International Association's decision, China will conduct a series of activities to distribute popular science knowledge to the public, especially to the students in primary, secondary schools and universities. This will spur their participation in the space related activities and their support to the space industry.

On June 22, 2001, China National Space Administration donated 20,000 books of popular science to middle schools nation wide, setting the prelude for the world space week activities. June 25, a space knowledge competition with 100 questions has been published for answering. The medias for the publication include: China Youth Daily, Science Daily, Guangming Daily, Education Daily, Aerospace Daily, China National Space Administration Web Site etc. Up to now, 100,000 answers have been filed, and now 30 winners of the First prize, 500 Second and 5,000 Third Prize had been selected. Each of the 30 first prize winners will get Pentium 4 PC, and others will get the books related to the space.

As part of the World Space Week celebration, a summer campus has been organized with the participation of youngsters to visit Hong Kong and Macao during August 10-20. CNSA sent experts to give a session for those students to participate in the knowledge contest.

China National Space Administration will organize an exhibition on the space technology and applications in Beijing during September 18-21, more than 70 companies and space institutes for China, France, Germany, UK, Ukraine, USA, Italy, Russia participated.

The China Organizing Committee will hold the Celebration Ceremony for the 2001 WSW and the space knowledge contest in Beijing University of Aeronautics and Astronautics on Oct.10,2001, with the high rank governmental officials and more than 3,000 university students attendance. Two astronauts from Russia and USA are invited to this event and will give a speech. The Committee shall also request the relevant space museums and space ground stations to be open for free during the World Space Week.

China Organizing Committee for the World Space Week shall actively support the United Nations Office for Outer Space Affairs and its initiatives, with its commitment to cooperation.

Throughout World Space Week, the Space Museum and the Remote Sensing Ground Station in Beijing were opened freely to students and teachers.

3.3.3 India

Indian Space Research Organisation (ISRO) is the Space research and development organisation under Department of Space; Government of India. The objective of the Indian Space programme is to promote the development and applications of Space technology and Space science for the socio-economic benefits of the nation. The various Centres of ISRO, in the areas of Communication and Remote Sensing Satellites, Space Applications, Launch Vehicles etc., are set up in different parts of India.

The World Space Week-2001 was celebrated in all the Centres of ISRO in India. Details of some of the celebrations are given below:

Vikram Sarabhai Space Centre (VSSC), Thiruvananthapuram, Kerala organised competitions in essay writing, quiz and science exhibitions for students. There were interactive sessions with the school teachers as well. The programme was well attended by students and teachers.

Special lectures on Space Science and Technology marked the World Space Week at ISRO Satellite Centre (ISAC), Bangalore, Karnataka.

At Space Applications Centre (SAC), Ahmedabad, Gujarat the Open House attracted large number of students and general public throughout the week. Competitions included on model making, essay and posters. A special programme "Face to Face" was conducted, where general public could interact with the Scientists of ISRO every day in the evening during the World Space Week. The special lectures included "Satellite Communication" and "Remote Sensing with Satellites".

At Master Control Facility, Hassan, Karnataka special lectures were organised on the first developmental flight – Geo-synchronous Satellite Launch Vehicle (GSLV-D1) and GSAT-1 communication satellite. Students from schools and colleges, and professionals in the Space field attended the lectures. The lectures were preceded by the special lecture on World Space Week and role of UN-COPUOS.

3.3.4 Indonesia

A series of events at Institute Teknologi Bandung are carried out in this framework (World Space Week), that is a series of Seminar/ Workshop carried out by the Department of Astronomy at the Institute of Technology Bandung to commemorate its 50th anniversary. Two workshops are organized; 1. Lectures and Discussions on the Use of Outer Space for Development, October 11, 2001 and Scientific Meeting, the Indonesian Society of Astronomy (Himpunan Astronomi Indonesia), 19-20 October 2001, both taking place at the Institute of Technology Bandung Campus.

3.3.5 Iran

Aiming to introduce space and its peaceful uses in remote sensing activities, education, health care, natural disaster mitigation, meteorology, space research, telecommunications and sustainable development of the country, the ceremonies for celebrating the World Space Week was held for the second year in the Islamic Republic of Iran.

A committee comprised of the representative of 32 organizations, ministries, universities and private sector led by the Iranian Remote Sensing Center (IRSC) planned and organized the activities for celebrating the World Space Week- 2001 in Iran. The scheduled activities included:

To design, prepare and publish stamp and poster on the occasion of the World Space Week - 2001.

To address the days of the Space Week to one of the space activities and organizing the related activities for each day, i.e.;

- First day: space science and research,
- Second day: space and informatics,
- Third day: satellite telecommunications,
- Fourth day: space, natural resources and environment.
- Fifth day: Remote Sensing and satellite meteorology,
- Sixth day: space, Earth and sustainable development,
- Seventh day: space science and astronomy.

To organize special ceremony in the Iranian Remote Sensing Center in the first day of the World Space Week- 2001 and inauguration of the Ground Receiving Station for direct acquisition from TERRA Earth resource satellite at IRSC by the Minister of Post, Telegraph and Telephone.

To organize the ceremonies for World Space Week-2001 in the Aerospace Research Institute, Forests and Rangelands Organization, Meteorological Organization of Iran, Mahab Ghods Consulting Engineers Company, Iranian Telecommunications Company, and Iranian Aerospace Society.

To distribute freely a CD-ROM containing space images of Iran and related remote sensing tutorials to promote space science and applications to the users community of Iran, specially the Iranian students and specialists.

To use country's media for presenting the importance of space science and technology applications in the development of country.

3.3.6 Iraq

La Célébration de la Semaine Mondiale de l'Espace

A l'occasion de la célébration de la Semaine Mondiale de l'Espace décidée par les Nations Unis, le Comité irakien des Utilisations Pacifiste de l'Espace Extérieure a organisé plusieurs activités sur tous les niveaux du le Secteur scientifique concernée. En tant qu'activité principale, la chaîne de télévision nationale irakienne et la chaîne de satellite irakienne ont diffusé des programmes spéciaux sur l'utilisation pacifiste de l'Espace Extérieure , ces programmes sont les suivants:

- 1) Un aperçu de l'importance de l'Utilisation pacifiste de l'Espace Extérieur comme ee-ci:
 - a) L'Internet
 - b) Le Remote sensing et les différentes applications
 - c) La découvert des cites archéologiques
 - d) La Météo
 - e) L'Enseignement à distance
 - f) L'Echange des informations
 - g) Les recherches scientifiques dans le domaine de l'Espace Extérieure et leurs influences sur la vie de l'être humain.
- 2) Un résumé historique sur les efforts de l'être humain dans l'aviation.
- 3) La fondation en 1959 du Comité pacifiste de l'Espace Extérieure et l'explication de ses différentes commissions dont les deux principaux sont:
 - 1- La Commission juridique
 - 2- La Commission Scientifique
- 4) Le rôle de l'Irak dans ces Commissions.
- 5) L'activité spatiale après la deuxième guerre mondiale a coïncidé avec le développement dans la technologie des fusées, et le commencement de l'ère spatiale en 1957 au moment de l'envoie du fusée spatiale Spoutnik, et qui se sont succédés par la suite avec le lancement des satellites de plusieurs noms et jusqu'au l'année 1965, l'année où ont commencé les activités commerciales.
- 6) Le but des communications spatiales.
- 7) Les Institutions des Satellites.

3.3.7 Japan

Regarding the events in Japan, we set September 12th (on the day in 1992, the astronaut Mamoru Mohri became the first Japanese in space) as "Space Day", and we have had the 9th Space Day this year. We also call the period around Space Day the Space Month, and hold space related events every year.

The Ministry of Education, Culture, Sports, Science and Technology, The Institute of Space and Astronautical Science (ISAS), and NASDA etc. promote the writing and painting contest and other space related events, where kids can enjoy and learn about space and space development. Along with those events, ISAS and NASDA also open the facilities to public.

Since last year we have regarded the period between the Space Day in Japan and the World Space Week as the "Space Month". As the opening event of the Space Month, we planed to

hold kids event on September 15, and to have awarding ceremony of the writing and painting contest on October 8. Furthermore, we will hold Space Exhibition in Tokyo from the end of September to October 8.

3.3.8 Malaysia

The World Space Week celebration in Malaysia was launched on 3rd October 2001 by the Minister of Science, Technology and the Environment, Malaysia at Putrajaya.

Several activities were carried out during World Space Week from 4th to 10th of October 2001. These include:

- Space Science and Astronomy information and quiz through Radio 1 of RTM, the prime radio channel in Malaysia
- Lucky draw tickets to visitors to the National Planetarium in Kuala Lumpur Exhibition on the latest Hubble Space Telescope's Astronomical Images at the National Planetarium Kuala Lumpur
- Colouring Contest for kindergarten children and Drawing Contest for the primary school students with the theme of Space Exploration for both
- Story Telling Contest for the primary school children
- Star Gazing Night, Public Lecture
- Free Space Science and Astronomical video shows
- Secondary School Astronomical Club Competition

The prime radio channel, Radio 1 of RTM began announcing to the whole Malaysian nation about the World Space Week celebration since the launching date on the 3rd October 2001. Activities for the whole week were also announced every morning before the prime News of that channel. Space Science and Astronomical information was read to the public three times daily, whereby each set of information was followed by a quiz question to be answered by the public through telephone. Every correct answer was given a prize of a pair of binoculars.

Every first ten daily visitors to the National Planetarium Kuala Lumpur were given prizes. After the first ten prize winners, there were also lucky tickets for winning the prize of a pair of binoculars. There were only five lucky tickets drawn for the whole week.

Visitors to The National Planetarium Kuala Lumpur were also given the opportunity to see the latest 40 Hubble Images through the exhibition held there for the whole week.

One hundred and twenty kindergarten children took part in the Colouring Contest in one category and one hundred primary school students took part in the Drawing Contest in two categories. The best three from every category were given prizes. Together with the Colouring and Drawing Contests, a Story Telling Contest was also held for the primary school students on the same day at the National Planetarium Kuala Lumpur.

A special Star Gazing Night programme was held for the general public at the National Planetarium on 5th of October 2001.

A special public lecture was also given at the National Planetarium Kuala Lumpur with the title of The Development of Communication Satellite Technology in Malaysia. The lecture was given by the MEASAT SATELLITE SYSTEM Sdn. Bhd., a private communication company in Malaysia.

Throughout the week, visitors to the National Planetarium were given the opportunity of watching Space Science and Astronomical video freely there instead of watching the Planetarium Show in the theatre.

In conjunction with the biannual competition on Astronomical Activities by Secondary School Astronomical Clubs throughout Malaysia, the final competition was held at the National Planetarium Kuala Lumpur on the 6th of October 2001.

Of all the activities held during the World Space Week, the organisers found that the information and quiz programme through the prime radio channel had given the biggest impact to the general public towards achieving the World Space Week goals of encouraging the general public to think, talk and doing activities related to Space.

3.3.9 Pakistan

Preparations were underway for celebrating the World Space Week in Pakistan in October 2001 by SUPARCO as it did in the year 2000. However, due to the peculiar circumstances prevailing in the region at the time, we had to postpone not only those celebrations, but also other events falling in the months of October through December 2001. The authorities at SUPARCO therefore decided to celebrate the WSW in October 2002.

3.3.10 Turkey



Web page designed by 3rd grade student in Turkey during World Space Week

As our main goal is to introduce space concept to young generations, we translated the World Space Week Teachers' Kit into Turkish and distributed the Kit both in English and Turkish with the World Space Week Posters to primary schools and colleges. Approximately 5-6 schools participated to the Web Design and Project Contests.

For the point of increasing public interest in space and space-related studies, we arranged a conference at an art gallery where space and space related photographs were displayed during the week. And we organized a observation night mainly for the university students.

Please see www.spaceturk.org or www.spaceturk.com for additional information.

3.4 Europe

3.4.1 Austria

October 6: Sonderpostamt "10 Jahre AustroMir" / "10 years AustroMir", Wels (OOe).
Details: <http://www.asaspace.at/news.html>

October 8: "Austria in space 1991-2001 - from AustroMir to ENVISAT", Vienna. Details:
<http://www.asaspace.at/events/prg200111008.html>

October 8-9: "Scientific Meeting at the Russian House of Science", Vienna. Details:
<http://www.asm.at/october-meeting.htm>

October 15: Vortragsabend "Weltraumgestützte Meteorologie - vom Satelliten zur Wetterkarte in der ZiB" / Presentation-Evening "Spacebased Meteorology - from satellites to weather charts", Vienna. Details: <http://www.oewf.org>

3.4.2 Croatia

In Virovitica on the north of Croatia, several different activities were organized during World Space Week 2001:

1 - On October 4th we opened astronomical exhibition in our towns museum with 75 photos (A3 format) with thematics on discoveries of space probes in our Solar system. During WSW 2001 exhibition was seen by about 2400 visitors.

2 - On October 5th students of my elementary school have Walk on model of Solar system - 400meters long walk form model of Sun (at School) to model of Pluto (at entrance in Town's park). 376 students (8 to 14 years old) walked on our Solar system model but only 20 won the space magazine or space book

3 - On October 7-th near our school we organized evening watching of celestial bodies for our students and citizens with telescope of Astronomical society of Pitomaca. Also, we distributed a paper with prediction of ISS passes in next 10 days and flashes of Iridium satellites about 230 visitors).

4 - During WSW 2001 my students of 8-th grade made Web-page for WSW 2001 Web-page contest and they installed it on October 16th.

5 - We ended WSW 2001 on October 10th with projections of slides which illustrate last space flight projects around the Earth and exploration of Solar system.

3.4.3 France

All of the following events were held in Toulouse.

- Space and Movies Festival, Cinémathèque de Toulouse, 28 September – 5 October. This event, organized by CNES, is a competition of space-related films. For more information contact Serge Delmas, serge.delmas@cnes.fr. Films will be shown on 28 and 29 September and trophies will be awarded on 5 October.
- 52nd International Astronautical Congress, October 1-5. The world's leading annual meeting of space experts. For more information, please visit www.iaf2001.org.
- Exhibition of projects of houses for living on Mars.
- Awards ceremony for the winners of the 2001 campaign of model rocket launches by schools.
- The Planetary Society and the 52nd International Astronautical Congress invite you to *Wings of Light: Solar Sailing in the 21st Century*. 18:00 - 20:00 (6:00-8:00 p.m.) Cité de l'espace, Altair Room, Avenue Jean Gonord Toulouse, France. Admission: Free. For more information, visit <http://www.planetary.org/html/society/Events/Frenchsail.html>

3.4.4 Germany

Pyramid Exhibition Center in Berlin will host a Space Exhibition, public discussion with space journalists, and lectures and panels about various space themes for school groups

For complete coverage of World Space Week 2001 in Berlin, Germany, please see:

<http://www.kids-und-co.de/spaceclub/verplaen.htm> (english) or <http://www.kids-und-co.de/spaceclub/verplan.htm> (german).

3.4.5 Hungary

The Hungarian Space Office, the Scientific Council on Space Research and the Hungarian Astronautical Society will organize the first Youth Forum on 9 October. Active space experts and Ph.D. students, high school students will change their views on the present and the future of the Hungarian space activities in strong international cooperation.

The Hungarian Astronautical Society has opened this week its annual essay competition for its high school student members. In the past every year 60-100 students were participating.

3.4.6 Ireland

Astrocourier (Ireland) Ltd announced a worldwide competition for ideas for school space science experiments. The competition called 'SEND IT TO SPACE' aims to inspire young people to dream up simple but clever ideas for small experiments that explore the effects of space exposure on all manner of objects or materials. Cash prizes were offered for the best entries and the competition will be judged by a distinguished panel of space scientists and experts. Astrocourier will plan to send the 1st Prize entry to space on a Space Shuttle mission in 2004. Visit Astrocourier's website at www.astrocourier.com for further details. Full information on the competition terms and conditions will be published on the website in November.

Belfast -- Wed 3rd October - Sun 14th Oct 2001. Exhibition: From Limelight to Satellite. A celebration of the completion of the Ordnance survey's large-scale digital database. The exhibition will include the latest technologies used in data collection and map production. Venue: W5 Science Centre, Stranmillis College, Belfast. Booking Tel: 028 90 467790

The Irish Astronomical Society (IAA) will meet in Belfast on October 3 Speaker: Dr Andy McCrea, on 'The Great Southern Africa Eclipse'. The association plans to hold a public/beginners observing nights on the weekend of 5-7 October,

Life in the Universe (LiU) Lecture Series -- Prof Chandra Wickramasinghe (colleague of the late Fred Hoyle), will speak in NUI, Galway on 11 October, and in Cork Inst of Technology on 12 October. Prof Wickramasinghe is Director of the Cardiff Astrobiology Centre.

3.4.7 Italy

LICEO SCIENTIFICO STATALE, "*Ettore Majorana*"

Circolare per insegnanti e studenti, p. c. al Consiglio d'Istituto

(p. c. al Ministero Pubblica Istruzione, Ufficio Relazioni Internazionali). Il prof. Giovanni Imbalzano, insegnante di Fisica e Matematica con Informatica presso questo Liceo e responsabile del Progetto *G.L.O.B.E. International* per la conoscenza scientifica e la salvaguardia dell'ambiente, nell'ambito di tale Progetto sta cooperando con la "*Spaceweek International Association*". La *S.I.A.* intende supportare le Nazioni Unite, nell'applicazione e sviluppo della risoluzione *O.N.U.* del 1999, relativa al "*World Space Week*" (*Settimana Mondiale dello Spazio*) approvata da tutti i paesi membri, tra i quali anche l'Italia. Come può rilevarsi dalla documentazione allegata, ogni anno la *W.S.W.* promuove la conoscenza scientifica del cielo, nel suo utilizzo pacifico, e dei benefici della collaborazione nel mondo. Ciò è di grande stimolo per gli studenti, anche nello studio delle lingue e per l'uso degli strumenti informatici (*Internet*).

Si ricorda che, nell'ambito della *W.S.W.* del 4-10 Ottobre 2000 il suddetto insegnante è stato premiato, quale vincitore per le scuole superiori del relativo Concorso, partecipando al *Gala* del 4 Maggio 2001 presso il Centro Spaziale di *Houston* insieme con un allievo ritenuto meritevole (Daniele Coppa, ex-IV E).

Come ogni anno, anche per il 2001 sarà premiato un insegnante ed uno studente (o gruppo di studenti) che l'insegnante stesso riterrà meritevole. Potrà partecipare ogni singola classe, sotto la guida di un insegnante, come specificato dalla Guida alle attività e i termini del Concorso relativo "*World Space Week 2001*", in allegato: www.spaceweek.org.

La scadenza per qualsiasi domanda di partecipazione, cui dovrà essere allegata una relazione dell'attività svolta, è prevista per il 1° Dicembre 2001. A tale Concorso è associata anche la possibile progettazione di un sito *Web* teso a promuovere la conoscenza del *W.S.W.* con scadenza prevista per il 10 Ottobre 2001. Ma è possibile che quest'ultimo termine venga rinviato, anche a motivo dei recenti avvenimenti che hanno coinvolto i paesi aderenti al progetto. In ogni caso, è utile progettare fin da ora anche la partecipazione al *W.S.W.* dell'anno prossimo.

3.4.8 Netherlands

21 October - 28 October

For the fourth time, Space Expo in Nordwijk organised a Space Week, for the second time in cooperation with the Netherlands Industrial Space Organisation (NISO). Visitors of Space Expo received a free copy of the space quartet game that was specially designed for this week. For the children there was a space quartet competition.

21 October

Start of the Space Week. In the morning there was an event for the launch of a Soyuz capsule, with on board the French ESA astronaut Claudie Haigneré, with a live video transmission from Baikonur, Kazakhstan.

In the afternoon there was a lecture by Fir Eckhard about the consequences of being in space for the human body. After this the first two quartet games were handed over to the Dutch ESA astronaut André Kuipers and the chairman of NISO, Dr. Ir. Ben Spee.

Throughout the day there was an exhibition with demonstrations of Dutch space organisations.

3.4.9 Poland

The 2001 World Space Week theme – “Inspiration from Space” gave us the opportunity to focus public attention on visionary inspiration, based on science. Recalling legendary “2001 Space Odyssey” by Arthur Clark and novels of Polish prominent SF writer Stanislaw Lem – we wanted to inspire children to share their vision of exploration of Space.

On 2nd November 2000, on the first day of permanent habitation of ISS by international crew, Space Week Poland proclaimed The Space Contest 2001. There were two subjects of competition: for the best picture “My home in Space” and the second for the best Science-Fiction novel, describing life on orbit in the year 2021.

The competition was organized under patronage of Committee for Space Research of Polish Academy of Sciences with Mr Stanislaw Lem as a honorary chairman.

We received hundreds of paintings and novels from schools and colleges all over Poland. The winner was Daniel Miszewski – 10 years old boy from Gorzow Wielkopolski.

Scott Parazynski – an American astronaut with Polish family tree -- agreed to take the picture with him during his mission to ISS onboard Space Shuttle STS – 100 in April 2001. Astronauts from STS-100 presented to the young author diploma commemorating this event. All media treated this message as a breaking news story. There were many interviews with a boy in main TV channels, radio and newspapers. The ceremony of decoration with the participation of Scott Parazynski was planed on 4th October 2001. Because of the WTC tragedy and following restrictions in astronauts appearances outside USA, we had to postpone this event. On the request of laureates of competition we will wait for Scott. I hope that we will host astronaut on 10, 11 April 2002.

During World Space Week, on the 8th October 2001 we opened the “Space Year” in Palace of Youth in Warsaw. This is the biggest cultural and scientific institution for children with more than 5000 participants. Children prepared an concert with poetry, songs and multimedia show on subject “The way to stars”. Honorary guests: prof. R. Galazka and Polish cosmonaut M. Hermaszewski decorated best adepts of Palace with diplomas and medals.

World Space Week 2001 gave us the opportunity to promote Space related activities in series of educational programs. The special credit has to be given to public media – first of all 1st and 3rd Channel of Polish Radio and 1st Channel of Polish TV.

Relating to World Space Week 2001, Polish Committee for Space Research organized special symposium on the subject “Space education in Poland”. The session gave the opportunity to summarize activities of academic, governmental and social institutions in popularisation of Space sciences. The deductions were very important due to Polish access to the European Space Agency, which took place in Warsaw on 24th January 2002 in Warsaw. The access creates new possibilities for Polish kids and students to develop their careers and knowledge, to become, in future, members of international community of space scientists.

I am convinced that World Space Week together with Committee of Space Research of Polish Academy of Sciences has a big mission to play in this process.

3.4.10 Romania

Romanian Space Agency has celebrated this week every year, by organising special events.

In 2001, the World Space Week represent also the launching of the new Romanian National Space Program - AEROSPATIAL - dedicated to conduct scientific researches and economic and social applications in the following areas:

- Space and Aerospace Politics and Infrastructures
- Space Explorations
- Space Applications
- Space and Aerospace Technologies and Systems
- Products and Applications of the Space and Aerospace Technologies

There will be several space-related talk shows on the radio during this week, and specialists form the Romanian Space Agency will be invited to participate.

Beginning with October 8th the "Aeronautics and Space" Exhibition, organised by the Romanian Space Agency, will be opened in the frame of a national event organised by the Romanian Ministry of Education and Research. There will be also meetings with students and space researchers.

For more information on Romania’s plans for celebration of World Space Week, please see http://www.rosa.ro/romanian/general/news/2001/rwsw_2001.htm

3.4.11 Russia

On the decision of Presidium Bureau of Russian Academy of Cosmonautics named by Tcialkovsky (RACT), science conferences will be held in October 4th each year, starting the year 2001.

This date was established in conjunction with First Earth Satellite launch in October 4th , 1957 and engaged to World Space Week (WSW). It is proposed to consider those events as a part of WSW. The theme of the conference 2001 is “Space is the Source of Inspiration in Education, Science and Technics.”

3.4.12 Slovenia

The Technical Museum of Slovenia (in cooperation with the monthly journal GEA) is planning a multimedia presentation dealing with the physical limitations to human space travel. The first presentation will take place on October 7th 2001 in our museum.

3.4.13 Spain

Posters (and explanation note in Spanish) are showing at National Conservatoire of Music, the National Library, the Circle of Fine Arts and several museums.

Cinemas (6) and theatres (2) located in Madrid are also displaying posters this week. Posters were distributed among private art galleries in Barcelona, Canary Islands, Madrid, Seville and Valence.

A press release was sent to media last week (20 entries among newspapers, radio & TV stations). An article written by national coordinator is to be issued by a national newspaper next week.

A summarized version of the above is on INTA web page, together with poster facsimile and linked with both UNO & Spaceweek International Association web sites.

3.4.14 United Kingdom

All Week -- BECTA's Teacher's Online Project presents Space is Ace, providing links to online space education resources and activities

Throughout the week, special talks about space at Highgate School, London, N6, Contact Djs@highgate.demon.co.uk020-8340-1524

Thursday 4.10.01, Professor David Southwood, Director of Scientific Programmes, ESA, talks on "European Space Science: Perspectives for the Future", Armagh Observatory. Contact Prof. Mark Bailey, Ambn@star.arm.ac.uk028-3752-2928

Saturday, 6.10.01, Satellite Building Competition, QinetiQ, Farnborough, Hants, QinetiQ Space. Contact Kotska Wallace kmwallace@scs.dera.gov.uk01252 394424

Saturday, Hands-on, drop-in space and astronomy project session by the Orbital Mechanics at Snibston Discovery Park, Coalville, Leics. 1-4 pm. Open to all. Small charge. Contact Snibston@leics.gov.uk01530-278444

Tuesday9.10.01, Dr Chris Welch presents 'Let's Go to Space' at Alexandra Infant School, Kingston. Contact C.S.Welch@Kingston.ac.uk

Tuesday, Dr Alex Ellery speaks on 'Space Robotics' and Dr Chris Welch presents 'The Only Way is Up – Space Propulsion Systems' at Kingston University. Contact Flis Holland Artonauts@aol.com

Wednesday10.10.01, Professor Martin Sweeting, OBE FREng FRS, Chief Executive of Surrey Satellite Technology Ltd, presents a joint Royal Society and Royal Academy of Engineering Lecture –Micro/Nano Satellite: A Brave New World at the Royal Society, 6 Carlton House Terrace, London, SW1 Open to all free. Contact Ramadane@raeng.ac.org020-7233-0054

Friday, 12.10.01 SpaceFund present 'Kids in Space' at Great Ormond Street Hospital, for hospital patients. Contact: Spacefund@hotmail.com, 01227-459485

Saturday, 13.10.01, SEC 4th Annual Space Education Symposium, London, W1. Open to all interested in space education and outreach. Contact Space Education Council/Sue Moller, Office@secuk.org 020-8974-8043

For further information on World Space Week 2001 in the United Kingdom, please see: www.secuk.org/spaceweek

A UK World Space Week 2001 poster has been printed and distributed through 'Space UK' magazine; you can view a pdf of the poster at www.secuk.org/wswPOSTER.pdf.

3.5 North America & Caribbean

3.5.1 Canada

As part of World Space Week, The Space for Species project was officially launched at the Canada and the World Pavilion in Ottawa on October 9, 2001. Space for Species is a unique educational program that enables students, especially those from Grade 6 to 9, to monitor migratory species and their habitats from beyond the Earth's atmosphere. Developed by the Canadian Space Agency, the Canadian Wildlife Federation, Natural Resources Canada's Canada Centre for Remote Sensing, and the Canadian Wildlife Service, Space for Species is a Web-based learning experience that brings science and technology to life in your classroom.

Space for Species Information: http://www.space.gc.ca/kidspace/2-sp_projects/space/default.asp

Under the umbrella of the CSA Continuous Improvement Program, the Space System's Division organised an open house for CSA employees on Friday 12 October 2001 (first scheduled for Oct. 9 I believe) featuring its involvement in the International Space Station Program. The day was kicked off with a bilingual presentation by Mr. Alain Dubeau, Program Manager of the Mobile Servicing System, who gave an update on the Space Station program, the Canadarm2 and the remaining elements of the Mobile Servicing System. Employees and contractors were then invited to participate in one of twelve one-hour guided tours which took them behind the doors of various facilities and simulators which are normally of a restricted access:

- The Payload Tele-science Operations Centre from where Canadian experiments on the ISS are monitored;
- The Multi-Media Learning Centre where astronauts and cosmonauts receive Mobile Servicing Systems training;
- The Space Operations Support Centre which supports Canadarm2 operations on orbit;
- The MSS Operation and Training Simulator on which astronauts and cosmonauts learn to fly Canadarm2; and
- The Engineering Support Centre where the performance of Canadarm2 is monitored.

At each stop, experts explained the various activities taking place in their facility. The highlight of the tour was a special 30-minute visit in the MOTS simulator where training is provided on Canadarm2 and other components of the Mobile Space System. Some visitors had the unique opportunity to operate Canadarm2 on this state-of-the-art simulators. The one-hour tour concluded with a question and answer period with an operations engineering manager of Space Systems. To underscore this special occasion, a new poster showing Canadarm2 attached to the Space Station was given away to visitors.

From October 9-11, the Network Ground Stations Workshop took place at the CSA headquarters in collaboration with Radarsat International (RSI) to highlight:

- Collaboration with RSI
- Collaboration with the ground stations for the RADARSAT program
- Importance and abilities of the 14 network stations

Also, CSA Astronaut Col. Chris Hadfield participated in events in Paris from Oct. 5-8.

3.5.2 Cuba

Participant institutions in World Space Week are:

- Cuban Commission of the Space. Ministry of Science Technology and Environment.
- Environment Agency . Ministry of Science Technology and Environment.
- Geophysics and Astronomy Institute.
- "Cosmos" Group BTJ-UJC, University of Havana.
- Weather Forecast Institute.
- Institute of Tropical Geography.
- National Museum of Natural History.
- Geocuba Group.
- National Museum of Sciences History " Carlos J. Finlay"
- National Aircrafts Museum

Planned activities in Cuba are:

October 10 to 14: TV Spot about the World Space Week, University of Havana.

- Exhibition about the development of Astronomy in Cuba.
- Visit to the Astronautics Room of the National Aircrafts Museum.

October 4: Open Ceremony, University of Havana

- Dr. Lourdes Palacio and Eng. Jorge Fuentes.
- Conferences by Lic. Ernesto Rodriguez and Lic. Adolfo Mendez.

October 5: Conferences by Lic. Luis E. Ramos, Lic. Efrein Jaime and Lic. Eduardo del Pozo.

October 6: "Party of the STARS" Night observations with telescopes from Havana Malecon. Cosmos Group, University of Havana.

October 7: TV Program with the appearance of the Cuban astronaut Arnaldo Tamayo Méndez and the Dr. Oscar Alvarez.

October 8: Conferences by Lic. Jorge Valiente and Dr. Oscar Alvarez

October 9: Talk with Cosmos Group , University of Havana. Conference by Professor Jorge Pérez Doval.

October 10: Close Ceremony of the World Space Week in Havana.

Amateur astronomers in Ciudad de la Habana will observe the skies with telescopes.

3.5.3 Trinidad & Tobago

This was the first year that Trinidad and Tobago was involved in World Space Week activities and I must say it was a pleasure to be associated with this global project. We employed a small-scale project exposing World Space Week to a Teachers' College (Primary Level) and a primary school with a "space art" activity. An example appears below. The artwork produced was presented on an Internet community site, <http://communities.msn.com/ttsw>. This site will be kept operational and you are invited to visit.

Mr. Cyril Harripaul, Teacher Educator (Art) at Corinth Teachers' College, was local coordinator of the space art project. Mr. Dexter Raghunanan, science elective graduate of Corinth Teachers' College 2001, also got students of the Debe Hindu School interested. The results of their performances can be seen on the site referred to above, under < Photos>.

The principals of both institutions were supportive of the activity and both Ms. Lynette Simmons of the Corinth Teachers' College and Ms. Linda Maharaj were pleased with the products. World Space Week posters and Certificates of Participation were distributed to student participants. Participants were very excited by being on the internet and both student-teachers and primary students are now more eager to use the internet.

Next year the project will be expanded. I will inform officials like our new Minister of Education ,Mrs. Hazel Manning of the work done thus far and invite volunteers and sponsors. As national coordinator, I felt that Trinidad and Tobago has made a significant step in the right direction in our involvement in this global activity and since space science was recently introduced to the Primary School Science Syllabus, their would be much interest in the project as a means of popularizing space science in the years to come.

3.5.4 United States

Nationwide

- NASA Quest -- Aligning with the 2001 World Space Week collaborative, NASA Quest, the premier online site for interactive math, science, technology and space mentoring will host interactive video webcasts, textbased webchats, audio and video clips, and forums. NASA invites you to interact with our nation's coolest, brightest,

most intriguing and talented women and men who develop and utilize breakthrough technologies that benefit our world!

- GLOBE and CloudSAT -- NASA's CloudSat Mission participated in World Space Week. Principal Investigator Graeme Stephens of Colorado State University and Deputy P.I. Deborah Vane of the Jet Propulsion Laboratory, with the assistance of CloudSat outreach coordinator Debra Krumm (also CSU), enthusiastically participated in the GLOBE-sponsored web chat on clouds on October 4th, 2001.
- Sputnik Book -- Launching on October 4, 2001, the anniversary of Sputnik, is the new book "Sputnik: The Shock of the Century" by Walker & Company.

California

- Santa Clara County -- Every science teacher in the county (approx. 1,700 teachers) are receiving World Space Week Teacher Kits, courtesy of Space Systems Loral. These materials will help the teachers use space to excite students about learning during World Space Week.
- Los Angeles -- Space enthusiasts will watch the IMAX movie "Blue Planet" at the California Science Center, 700 State Drive, Los Angeles, Friday Oct 5th, 2001 6pm. Meet our greeters at the front door for a 1\$ off coupon. Join us afterward for a social hour to meet recent additions to the L.A. area, learn about ways to be a part of the action in L.A., and generally do what we love- talk about space! For more information please email me at loretta@caltech.edu or call 626 304-9794. This Event is Hosted by the Space Generation Advisory Council www.unsgac.org, Yuri's Night, The World Party for Space www.yurisnight.net, The Caltech Mars Society mars.caltech.edu, and Permission to Dream, www.permissiontodream.org

District of Columbia

- Washington -- Space Adventures is planning a small VIP World Space Week event in Washington DC, a reception on the USS Sequoia Presidential Yacht. We are planning to invite government and industry leaders. For information, please see www.spaceadventures.com.

Florida

- Brevard County -- To help launch World Space Week, the Miracle City Mall on September 28-30 hosts SpaceFest 2001. This is a free, educational public event that celebrates space technology. The festival includes special activities for grade school children, young teens, the college bound, adults and retired space workers. SpaceFest 2001 shows kids how exciting and challenging space sciences has become while adults discover the worldwide impact of mankind's exploration of the universe.

Iowa

- Statewide -- The Iowa Space Grant Consortium (ISGC), in partnership with WHO Radio (1040 AM) and the Earth & Sky Radio Program announces The Space Week Science Challenge, October 4-10, 2001. All of the details, including the entry form, are found at the "Precollege" link on our web site at

<http://www.public.iastate.edu/~isgc/>. The winning classroom will receive a Meade ETX Astro telescope and tripod, a trip to the Science Station and IMAX Dome Theatre in Cedar Rapids, an inservice program from the Extension - Science Engineering and Technology (E-SET) team, and a collection of great curriculum materials. The total prize package could be worth \$5,000. Any classroom of students in any grade level from K-12th grade, attending a charter, public, private, religious, or home school in Iowa is eligible. For information on the results, please see: <http://www.public.iastate.edu/~isgc/SPACEWEEK/SpWk2001post.htm> and <http://www.public.iastate.edu/~isgc/NEWS/newsbrief.htm>



Winners of Iowa's World Space Week Classroom Competition

Maryland

- Prince George's County -- Many events are planned to celebrate World Space Week in the region surrounding the NASA Goddard Space Flight Center.
 - Board of Education Proclamation (Check Presentation), Thursday, September 20, 7:00 p.m., Upper Marlboro
 - County Council Proclamation, Tuesday, September 25, 9:15 AM, County Administration Building, Upper Marlboro
 - Education Summit for Black and Hispanic Students, Saturday, October 6
 - Prince George's Community College, 10 a.m.-2:45 p.m. Program, 3-4:00 p.m. Reception
 - Classroom Event, Tuesday, October 9, Owens Science Center (Members of the Prince George's Tech Council and Goddard Alliance participate in the Challenger Program and speak to students about careers in technology), 10 a.m.-noon

- Space and Flight Center (S&FC), Advisory Committee Meeting and Press Briefing on S&FC Feasibility Study, Tuesday, October 9, Prince George's County EDC, 2 p.m.
- Hundreds of teachers in Prince George's County, home of the NASA Goddard Space Flight Center, will participate in World Space Week this year. The teachers are receiving World Space Week Teacher Kits from a coalition of organizations including the Goddard Alliance and Prince George's Tech Council.

Nevada

- Spring Creek -- Northeastern Nevada, the site of the largest gold producing area in the US, will host an event on the use of gold in space exploration, "Gold Goes Into Space." The local museum, the tri-county public library system, the local school system, and the three major gold mining companies will participate. We are working to develop static displays for the libraries and the museum, plus live presentations to teachers and the public.

Ohio

- Cleveland -- The NASA John H. Glenn Research Center Visitor Center is planning events as part of World Space Week.

Tennessee

- Brentwood -- Esoterix Oncology, a laboratory that specializes in cancer studies, held a contest for employees. Each day during World Space Week, questions about space were posted for employees to answer. Winners received prizes such as movie tickets.

Texas

- Concho Valley -- 500 teachers are receiving World Space Week Teacher Kits, courtesy of the Concho Valley Partnership. Many of the K-12 teachers will use special space-related activities to reinforce essential science and math knowledge and skills that week.
- Lubbock -- In these websites we can see what the Museum of Texas Tech University is > organizing for World SpaceWeek 2001. For information, please see <http://www.museum.ttu.edu/events.html>, <http://www.museum.ttu.edu/SW01page.html>, or <http://www.museum.ttu.edu/spwkContest01.html>

3.6 Latin America

3.6.1 Argentina

1. The project of World Space Week was sent to National House of Representatives so that it would be considered of national cultural interest (of which already have obtained partial approval, it is necessary to wait more days for final approval)

2. I am organizing an opening ceremony to which authorities of the province and the nation are invited (City Mayor and CONAE representative). Among other guests are students of different schools from the zone with their respective professors.

3. The opening ceremony is planned for 4th. October at 9hs. (GMT -3).

4. A group of students will present advances in the medicine obtained during space exploration and the utilities of the space station. They will present a telescope made in St. Peter's School by a group of students.

5. On day 5, at 10hs the Prof. Alejandro Di Baja will give a talk on " the possibility of extraterrestrial life ", at 14hs. the Dr Jorge Mermoz (member of Mars Society) will give a conference on Astrobiology. At 20hs will commence a night of observation with the telescope directed by Prof. Alejandro Di Baja and the Observatory Friends of Astronomer Felix Aguilar.

6. On day 6 at 20hs. continue observation with the telescope directed by Prof. Alejandro Di Baja and the Observatory Friends of Astronomer Felix Aguilar.

7. On day 8 at 10hs : Conference in charge of Ing. Machado (CONAE). "Space Tecnology in Argentina". At 14hs Space orientated General Knowledge.

8. On day 9 at 14hs Conference in charge of Ing. G. Rshaid (Mars Society) "Colonization of Mars".

9. Closing ceremony: Certificate of participation awards.

Beside from this there is underway contests in art, literature and rockets. The result of these contests will be given during the week from the 4 to the 10.

The National Coordinator from Chile and I are organising a chat via internet for both countries about Space Colonies.

For more information, please see <http://www.vicape.cjb.net/spaceweek>

3.6.2 Brazil

We have created the "Space Bus" in Brasil. It is an exposition about space activities in Brasil, in a ordinary bus, it is a road exposition for young students. The fee is R\$3,00 (around US\$1,20). This exposition was inaugurated in the end of september and in october around 3400 have visited it. For the Space Week we arranged a Bus visit (free) in two orphanages (one for girls and one for boys). This week we held the Space School, for high school students, here in INPE and the Space Bus will be here in a Shopping Center parking area, during five days. It was open to everybody, not only for schools.

3.6.3 Chile

We began working on World Space Week only in September. In any case I worked with one of the biggest Newspapers in Chile called "La Tercera" and its supplement called "Icarito." They published on its Internet site a special about World Space Week <http://icarito.tercera.cl/especiales/espacio/index.htm>

We ran a special World Space Week page at <http://www.geocities.com/espacio2001chile/>

Finally, I give a presentation at my child's school about Space Future.

I hope that at Space Week 2002 we can do a little more activities here in Chile.

3.6.4 Colombia

Unidad Porteña de Aprendizaje (UPA) -- Besides their classroom activities, kindergarten and primary students at UPA will develop the program below during World Space Week 2001:

- October 4th - Opening ceremony: Space art day "Inspiration form space"
- October 5th – Workshop: Traveling through the Solar System
- October 8th – Video-Forum: The Sun: a giving life star (with the Mexican astronaut Rodolfo Neri Vela)
- October 9th – Contest: Designing a space aircraft
- October 10th – Closing ceremony: * Workshop : "Living in space"

Universidad Antonio Nariño –Atlántico-

- October 10th - Video-Forum : To be an astronaut

Colegio Alemán -- 'Discovery', the astronomy club at Colegio Aleman will celebrate SpaceWeek 2001 with these activities:

- October 4th : - Opening ceremony. Debate: Our expectations Designing a rocket with recycling materials
- October 5th : - Lecture: Space ships through the technological race. Simulating meteoroids impacts. Debate: Anybody out there? –UFO-
- October 6th : - Visiting Voz Infantil and Hola Juventud radio programs to report Space Week calendar of activities in our institute. Space art day "Inspiration form space"
- October 8th - Video-Forum : To be an astronaut
- October 9th - Workshop : Solar power. Contest : Basic knowledge about astronomy and space technology
- October 10th - Closing ceremony: Debate: "Inspiration from space"

Other participating institutions included:

- Colegio Hermana Virginia Rossi
- Colegio Americano de Barranquilla
- Colegio Nuestra Señora del Carmen
- Colegio de La Sagrada Familia
- Colegio Colón
- Colegio Eucarístico de la Merced
- Instituto Pestalozzi

- Gimnasio del Country
- Colegio San José
- Instituto Técnico Nacional de Comercio
- Liceo Los Comuneros
- Escuela Mixta Mis Letras

VOZ INFANTIL and HOLA JUVENTUD –WYESR Colombia- will give the opportunity to all the institutions in our country that celebrate World Space Week 2001 to participate in our radio programs dedicated to space technology at La Voz De La Costa -a local radio station- every Saturday in October (9 to 11 a.m.). In this way, all together will extend an invitation to the audience, so “Inspiration from space” will catch them, too.

4 Background Information

4.1 Background of World Space Week

World Space Week, October 4-10 annually, was declared in 1999 by the United Nations General Assembly as “a yearly celebration at the international level of the contribution that space science and technology can make to the betterment of the human condition.” This was in response to the unanimous recommendation of all nations represented at UNISPACE III:

from the
Report of UNISPACE III

Recalling that 4 October 1957 was the date of the launch into outer space of the first human-made Earth satellite, Sputnik I, thus opening the way for space exploration,

Recalling also that 10 October 1967 was the date of the entry into force of the Treaty on Principles Governing the Activities of States in the Exploration and Peaceful Uses of Outer Space, including the Moon and Other Celestial Bodies,

Decide, in order to contribute to the achievement of the objectives of UNISPACE III, in particular that of increasing awareness among decision makers and civil society of the benefits of the peaceful uses of space sciences and technology for sustainable development, to invite the General Assembly to declare, according to its procedures, “World Space Week” between 4 and 10 October for the yearly celebration at the international level of the contribution that space science and technology can make to the betterment of the human condition.

For links to this and other UN documents on World Space Week, or for additional background information, please see www.spaceweek.org.

4.2 Spaceweek International Association

Objectives

Spaceweek International Association (SIA) proudly supports the United Nations in the global coordination of World Space Week. SIA encourages participation, assists participants, attracts publicity, and reports results. SIA services include the distribution of an annual World Space Week poster, maintaining an extensive web site about World Space Week, and providing materials to teachers for use during World Space Week.

History

SIA is a non-government, non-profit, non-membership corporation that was founded in 1981 to coordinate an annual event called Spaceweek. The event grew to 150 cities, was attended by up to 750,000 people, and reached over 100,000,000 people through media coverage. As the event spread from the U.S. to other states, the organization's role changed from that of a national coordinator to a global coordinator. To better support international participation, the organization began restructuring in 1994 including a change to the current name of SIA.

In 1999, with the UN declaration of World Space Week, SIA assumed a supporting role to the UN in the global coordination of this event. SIA accelerated the growth of World Space Week by building on its experience and a global network of coordinators and participants. Today, SIA works closely with the UN Office for Outer Space Affairs and the Committee on the Peaceful Uses of Outer Space, as well as participating organizations in nearly 50 states, striving to make World Space Week effective and meaningful in implementing the recommendations of UNISPACE III.

Board of Directors

The Board represents 16 states in ensuring that the Association serves World Space Week participants around the world.

Adigun Ade Abiodun, Chairman of the Board

Buzz Aldrin, Astronaut	Kerrie Dougherty, Powerhouse Museum
Oleg Alifanov, Moscow Aviation Institute	Driss El Hadani, Royal Centre for Remote Sensing
Ali Al-Mashat, Permanent Delegate of Iraq to UNESCO	George French, Space Explorers
Alvaro Azcárraga, Sener	Israel Galvan, GHG Corporation
Larry Bell, University of Houston	Luo Ge, China National Space Administration
Wendell Butler, Young Astronaut Council	Giuseppe Giampalmo, European Space Agency
Sergio Camacho, United Nations	Raimundo González, Ambassador of Chile and Chair of COPUOS
Pat Dasch, National Space Society	Tom Hanks, Actor
Karl Doetsch, International Space University and Chair of S&T	Miguel Hernandez, Hernandez Engineering

Raza Hussain, SUPARCO

Dale Johnson, Retired

Michel Laffaiteur, DLR

Thomas Marsh, Lockheed Martin

Wendell Mohling, National Science
Teachers Association

George Mueller, Kistler Aerospace

Tom Stafford, Astronaut

Ernesto Vallerani, ALTEC

Joao Vaz, Brazsat

Chris Welch, Kingston University

Kazuyoshi Yajima, Nihon University

Officers

Dennis Stone, President

Michel Laffaiteur, Vice President

Israel Galvan, Treasurer

Rhonda Alcorn, Secretary

For more information on the Association, please see www.spaceweek.org in the Who is Involved section.