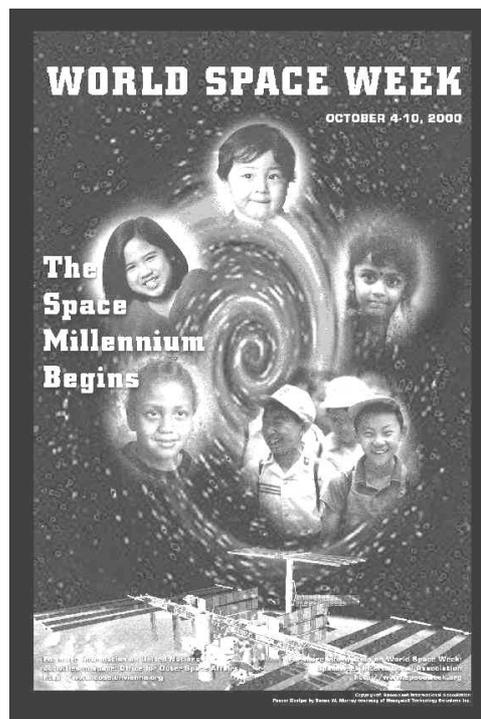


World Space Week 2000

Report to the Committee on the Peaceful Uses of Outer Space

Scientific and Technical Subcommittee

February 2001



Prepared by

Spaceweek International Association

In cooperation with the United Nations Office for Outer Space Affairs

Introduction

This document reports on the results of the historic international celebration of World Space Week 2000 and encourages participation in World Space Week 2001.

Recommended by UNISPACE III, World Space Week was officially declared in 1999 by the United Nations General Assembly. The objective of this worldwide 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.



Nearly 30 nations participated in World Space Week 2000, which was launched at UN Headquarters on 4 October. 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.

This document lists the activities that were planned for World Space Week 2000 and suggests what can be done by COPUOS member states during World Space Week 2001.

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 leaders from 10 nations. 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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1 Background

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 as included in the Vienna Declaration:

from the
Vienna Declaration

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.

2 World Space Week 2000 Results

The first World Space Week, 4-10 Oct. 2000, was a great success with nearly 30 nations participating. The official launch of World Space Week took place at United Nations Headquarters in NY including a special message from UN Secretary General Kofi Annan. Reports from around the world indicate excellent events, attendance, and media coverage.

Please Note:

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.

2.1 United Nations Activities

The United Nations officially launched World Space Week with events at UN Headquarters in New York and in Vienna.

The New York event was opened with a message from Secretary-General Kofi Annan (see below), delivered by Kensaku Hogen, Under-Secretary General for Communications and Public Information. The event included a special video address by science fiction author Arthur C. Clark, a panel of space explorers, and presentations on usus of space in disaster management and humanitarian relief. The event was moderated by Lou Dobbs of space.com. In addition, a student press conference was organized in collaboration with the Planetary Society for students from New York schools, and Bill Nye the “Science Guy” and astronaut Franklin Chang-Diaz answered questions from the audience on the search for life.

In Vienna, the United Nations hosted an event at the National Library to launch World Space Week. The event featured a special, video address by the science fiction author Arthur C. Clarke and a live panel of space explorers. Presentations were made on the utilization of the International Space Station, on CNES policy for young people, on Austrian research on manned space flight, and on Russian Exploration of outer space.

The following message from UN Secretary General Kofi Annan was issued on the occasion of the opening of World Space Week 2000 at UN Headquarters in New York on 4 October, 2000:

Message from the UN Secretary-General For World Space Week 2000

Dear friends,

Welcome to the celebrations for World Space Week. How apt that at the start of this new Millennium, we also launch this new annual event, which was established by the General Assembly after an idea originating at last year’s historic UNISPACE III conference.

It was 43 years ago today that Sputnik-1 became the first satellite to be launched. Ten years later, the General Assembly adopted the landmark Outer Space Treaty, which reserved the use of outer space for peaceful purposes. By commemorating these two events, World Space Week underlines the power of technology and the need to ensure that it is used peacefully for the benefit of all humanity. It also invites us to look ahead and consider how they can be used to further strengthen the bonds of our global community.

Every time we call a friend on another continent, every time the Internet puts libraries of information at our fingertips, we can thank the pioneering achievements of space technology and the unlimited possibilities of satellite communications. Yet half the world’s population has never made, or received, a telephone call. This week, our thoughts should turn to practical ways of connecting the people who need it most.

This forms the basis for a number of new UN initiatives which I announced in my Millennium Report. The “First on the Ground” disaster response programme will provide and maintain mobile and satellite telephones for humanitarian relief workers to help the victims after earthquakes, floods and other disasters. The Health InterNetwork aims to establish 10,000 on-line health information centres at hospitals and clinics in the developing world. The United Nations Information Technology Service, or UNITeS, will train people in developing countries in the uses of information technologies, including the Internet.

This week also invites us to focus on making the best use of space technology as a tool to help us sustain our future on this planet. Earth observation satellites are now an indispensable part of efforts to monitor global environmental change. Space exploration gives

us a sense of perspective that should help us develop the sense of global stewardship we so desperately need.

It has already provided us with a common challenge that brings nations closer together. What began as the “space race” just over four decades ago has become an unrivalled focus for international cooperation. As the International Space Station demonstrates, it is now indispensable for countries to work together in all stages of a space mission, from designing and building a satellite to launching and using it.

And as all these examples demonstrate, we are fortunate enough to live in a millennium where it is not war, but the improvement of people’s lives, that drives technology to new frontiers. Our greatest challenge now is to cross the final frontier: to bridge the divide between technology’s haves and have-nots, and harness its power to serve all people on this planet. World Space Week can provide valuable impetus to push us further in that direction. On behalf of the United Nations, I thank you for your commitment.

2.2 Participation Summary by State

The following chart summarizes the participation of states in World Space Week. It indicates states with national coordinators, states reporting plans for World Space Week 2000, states reporting results after World Space Week 2000, and states which have directors or officers of Spaceweek International Association as of the date of this report.

There were a total of 24 states with a World Space Week national coordinator or point of contact known to SIA. Reports of planned World Space Week 2000 celebrations in 29 states were received. Five states provided reports in various forms to SIA after World Space Week. Ten states currently participate in the management of SIA.



Chinese leaders gathered to celebrate World Space Week in Beijing.

Region	Country	National Contact	Plans Reported	Results Reported	SIA Director or Officer
Africa	Libya				
	Morocco				
Asia & Middle East	China				
	India				
	Iran				
	Japan				
	Malaysia				
	Nepal				
	Pakistan				
	Saudi Arabia				
	Syria				
	Turkey				
	Europe	Austria			
Belgium					
France					
Hungary					
Netherlands					
Poland					
Portugal					
Romania					
Russia					
Spain					
Sweden					
United Kingdom					
North America & Central America	Canada				
	Cuba				
	Mexico				
	Panama				
	Trinidad & Tobago				
Pacific	United States				
	Australia				
South America	Philippines				
	Brazil				
	Columbia				
Totals		24	29	5	10

2.3 Major Events Held

- The UN launched the celebration on Oct. 4 with events in both New York and Vienna, Austria.
- Chinese leaders spoke at a public event on Oct. 4 at Beijing University and numerous other programmes were held across China.
- World space leaders met Oct. 2-6 at the International Astronautical Congress in Rio
- Cosmonaut Alexei Leonov and Astronaut Tom Stafford drove a Lunar Rover in Rio to celebrate the 25th anniversary of their rendezvous in space.
- Youth from Australia met in Canberra to share visions for their future in space
- Polish television, radio, and newspaper featured space during World Space Week

- NASA promoted the role of women in space with special webcasts, and thousands of U.S. teachers use space to excite children about math and science.

Many countries reported plans to participate in World Space Week 2000:

2.4 National Coordinators

The following lists World Space Week national coordinators/contacts as of the date of this report:

World Space Week National Coordinators & Contacts

Reported to SIA as of January 2001

State	Contact	Organization
Australia	Kerrie Dougherty	Space Summit
Austria	Gudrun Weinwurm	Österreichisches Weltraumforum
Belgium	Caroline De Vos	SpaceChecker
Brazil	Tania Maria Sausen & Joao Gilberto Vaz	Spaceweek Brazil Committee
China	Dept of Foreign Affairs	China National Space Administration
Columbia	Beatriz Elena Hernandez Rua	Voz Infantil- Hola Juventud members of WYESR-Colombia
Iran	Majid Hamedani	Permanent Mission of the Islamic Republic of Iran to the UN
Japan	Kunio Fukui	Japan Space Forum
Mexico	José Luis Martínez-Flores	Universidad Nacional Autónoma de México
Morocco	Driss El Hadani	Royal Centre for Remote Sensing
Netherlands	Arthur Eger	Space Expo
Panama	Azael Barrera	Universidad Catolica Santa Maria La Antigua
Philippines	Farrah Ozamis	www.gopinoy.com
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
Russian Federation	Vladimir Vozhzhov	Department of International Cooperation
Saudi Arabia	Muhammad Hakami	Jeddah Science & Technology Centre
Spain	Alider Craignolini	Instituto Nacional de Técnica Aeroespacial
Sweden	Börje Brandt	Rymdtekniknätverk
Trinidad & Tobago	Hollis Sankar	Corinth Teachers College
Turkey	Inciquil Polat	Environmental Engineer
United Kingdom	Christopher Welch	Space Education Council
United States	Pat Dasch	U.S. World Space Week Coordinating Committee

2.5 Details of Planned Events

The following were the plans for World Space Week 2000 as compiled by Spaceweek International Association, including information received by the UN Office for Outer Space Affairs. Events are listed by state in which they were held. Please also see the following section for results reported by several states.

2.5.1 Australia

- Space Futures 2000, organized by the Australian Students Space Association Conference, will be held in Canberra from October 5-7. This is a major youth space conference with speakers from around the world. The web site is www.assa.com.au/SF2000
- The opening/inauguration of the new heritage display in the Namadgi National Park, on the site of the former Honeysuckle Creek Tracking Station.
- Lunar Observation Night, Sydney Observatory, Oct. 6
- The launch of Australia Post's new space-themed stamp as part of National Stamp Collecting Month. Australia Post is planning a range of space-related events across Australia. This will include events featuring live and recorded video of Australian-born astronaut Andy Thomas.
- The Australian Space Research Institute will conduct its annual Small Sounding Rocket launch campaign at Woomera between Sept 30 and Oct. 1. The firings are open for the public and the winners of the annual Space Endeavour Competition are guests at the launches.
- The 'Lost in Space' children's exhibit coincides with World Space Week. It has a range of education and public programs associated with it.

2.5.2 Austria

- Vienna -- October 4 -- see listing under United Nations Activities, above.

2.5.3 Brazil

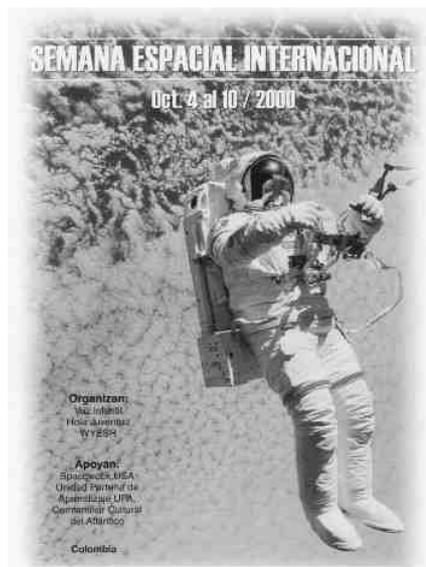
- Rio De Janeiro -- Sept. 30 - Oct. 2 -- 25th anniversary of Apollo-Soyuz Test Project with appearances by cosmonaut Gen. Alexei Leonov and astronaut Gen. Thomas Stafford, courtesy of Omega. Their historic handshake in space launched a new era of international cooperation in space. Activities include:
 - Sept. 29 -- Press Conference -- At the Sofitel Hotel in Rio on at 2 pm. Journalists who are interested in attending are requested to email Omega.
 - Sept. 29 -- Public Lecture -- At the Rio Planetarium, 8:00 - 9:30 p.m.
 - Oct. 1 -- "Lunar Rover Parade" -- Stafford and Leonov drive a Lunar Rover along a 2-km section of Ipanema Beach from 11:00 am to 1:00 p.m. The public and media are invited.
 - Oct. 2 -- Autograph Session -- At the Omega exhibit at the International Astronautical Congress exhibition, immediately after the Opening Ceremony (approx. noon).
- Rio De Janeiro -- Oct. 2-6 -- The world's largest annual conference of space leaders, the International Astronautical Congress, takes place at the RioCentro. In addition to outstanding technical presentations, an excellent exhibition will be open to the public. Organized by the International Astronautical Federation and other leading world organizations.
- Sao Paulo -- Oct. 9-11 -- An exciting space conference with programs for both students and adults will be held. Organized by Brazsat and leading educational institutions.
- Rio -- Oct. 4 -- "Exploring Mars: In Space and In the Classroom," 7:30 p.m., at the Observatorio Nacional, sponsored by the Planetary Society.

2.5.4 China

- The Chinese Government will hold a series of activities, one of which will be a World Space Week Celebration Rally on October 4 in Beijing University to be attended by more than 2,000 people. A top Chinese leader, possibly Premier Zhu Rongji, will speak at the rally.
- The theme of the Chinese Government programme for celebrating World Space Week is publicize science, combat superstition and pseudoscience, enhance the awareness and knowledge of outer space by the public, especially the youth, and encourage the masses to participate in and support the outer space cause.
- China National Space Administration will organize a series of nationwide activities centering on this theme in various forms with substantial content, which will include:
 - holding a commemoration meeting
 - issuing commemorative stamps and first day covers
 - editing & publishing popular space science books for youths and presenting some of these books to primary and middle schools,
 - running a tour exhibition on popular space science for juveniles
 - inviting personnel from diplomatic missions and UN organs accredited to China to visit China Space Science and Technology Museum and the Popular Space Science Tour Exhibition.
- Besides Beijing, other big cities like Shanghai, Tianjin, Chongqing, Wuhan, and Guangzhou will also host relevant activities. We hope that these celebrating and commemorating activities will contribute to the international celebration of World Space Week.

2.5.5 Colombia

- The following poster was prepared to publicize Colombia's World Space Week activities:



2.5.6 Cuba

- Cuba's celebration of World Space Week included remodeling the Hall of Cosmonauts at the Air Museum and holding informal lectures and debates on astronomy and space sciences specially targeted at children and adolescents.

2.5.7 Hungary

- In harmony with the decision of the UN General Assembly, Hungary will celebrate World Space Week and will henceforth organize the usual annual Space Day together with the usual exhibition during the period of 4-10 October. Hungary will invite press representatives and plans to inform the scientific community, scientific and official leaders, and the general public on the significance of space research.

2.5.8 Iran (Islamic Republic of)

- Iran's activities during World Space Week included organizing an opening ceremony on 4 October by the Ministry of Post, Telegraph and Telephone, holding a contest (drawing, writing stories and articles on space and space technology) for youths and adults, publishing stamps and posters on the occasion of World Space Week, using the media in the country to show the important vitality of space technology applications in improvement and advancement of the community. In addition, a CD-ROM containing space images of Iran and related remote sensing tutorials in high schools for educational purposes was distributed.

2.5.9 Japan

- From the beginning of September to the beginning of October, Japan plans to hold the "Month of Space Friendship," which will be organized by the Science and Technology Agency (STA), the Institute of Space and Astronautical Science (ISAS), the National Space Development Agency (NASDA) and other related organizations, and will include events such as the "Space Festival for Children 2000" and "Children's Space Composition and Drawing Contest."
- In addition, the "Second International Forum on Advanced Satellite Communication in the Asia-Pacific Region," organized by the Ministry of Posts and Telecommunications (MPT), will be held in Japan around the time of World Space Week.
- The Aerospace Medical Association of Japan holds a public symposium on space tourism on Oct. 3 in Tokyo, 18:30-20:30, at Jikei Medical College south lecture hall. The theme is "In 2001, Can you travel to space?" Chairman: S. Mori (Inst. of Environmental Medicine, Nagoya U.), C. Sekiguchi (NASDA). About 500 people are expected to attend.

2.5.10 Libya Arab Jamahiriya

- The Libyan Center for Remote Sensing and Space Sciences will be organizing a round table to celebrate World Space Week, focusing on "Uses of outer space in the light of modern technologies, its many applications and its importance for humanity." Plans also included the presentation of papers on usage of outer space under current modern technology, and a small exhibition where publications, posters and pamphlets related to outer space would be demonstrated.

2.5.11 Malaysia

- World Space Week was launched on a national level with an exhibition of Tiung-SAT-1, Malaysia's first micro satellite, space games, free video screens, and viewing of the night sky at the National Planetarium. The main aim of the celebrations was to create awareness about the importance of space among the public.

2.5.12 Morocco

- The following events are envisaged by Morocco in connection with World Space Week:
 - A scientific exhibition on space and its uses
 - Lectures to be given by national and foreign experts on subjects related to astronomy and Earth observation
 - A scientific competition for young people (in collaboration with the Ministry of National Education)
- CRTS is organizing in collaboration with several partners an international symposium that will be held 26 and 27 October 2000 at Rabat (www.cvrts.gov.ma/marisy2000.htm). We are also planning to organize an exhibition on space activities for young people.

2.5.13 Nepal

- Nepal's planned events included providing all relevant bodies, agencies and institutions with information on the declaration of the United Nations World Space Week, preparing a message from the Government over electronic mass media, awareness generation programmes, exhibitions on application of space science and technology and seminars and workshops on selected themes relation to space technology applications.

2.5.14 Pakistan

Seminars and meetings were held under the auspices of Suparco in Karachi, Lahore and Islamabad to take part in the World Space Week Celebrations.

- 4th October – Ceremony to kick off World Space Week was held in Karachi
- 6th October – A seminar was held at the Hotel Avari, Lahore entitled Space Technology in the 21st Century. Mr. Khalid Ranjha, Provincial Law Minister was kind enough to be the Chief Guest.
- 7th October - Exhibition held at Space Science Department, Punjab University
- World Space Week posters displayed at the Software Technology Exhibition (SOFTEC, 2000) held at the National University of Computer and Emerging Sciences.

2.5.15 Panama

- The Universidad Catolica Santa Maria La Antigua will have a photo gallery of Panama as view by satellites, the Shuttle, etc, which will be in display in our university graduate school hall. We also are showing a series of documentaries on the conquest of space. We will try to follow the webcast of the space shuttle on Oct 5 in our auditorium. We also will have a demonstration of rocket launching.

2.5.16 Philippines

- We conduct a 2-page web design contest for high school students, Metro Manila-wide with the theme and scope of orbital, universal and astronomy. There will be a cash price for First, Second, Third winners, and their products will be featured in GoPinoy eventually (this will also be a good exposure for the students' respective schools they are representing).

2.5.17 Poland

- The opening of World Space Week in Poland will take place on 4th October 05.00 pm at Panasonic IMAX Cinema in Warsaw. After speeches of prof. Galazka, Chairman of Committee on Space Research, and Mrs. Staniszewska, Chairman of the Parliamentary Commission on Culture and Education, we will screen (on the greatest screen in Central Europe) an educational film "Blue Planet" made partially from Earth orbit. Our guests will be members of Parliament, Warsaw authorities, scientists, journalists, CEOs of corporations active in field of space industry, IT technologies and telecommunication and first of all children. Polish TV, Radio and all main newspapers will inform about this ceremony.
- During this event we plan to announce a competition for young people. We would like to encourage children to create at their schools Young Space Explorers Associations. The competition will be held in two categories:
 - for the best scientific program, which could be carry out on International Space Station and benefit the local communities on Earth,
 - for the best Web site about International Space Station,
- We would like to focus the interest of children on ISS because of extended coverage on start of the first crew of ISS, which we plan in the first days of November.
- We formed a group of journalists representing scientific departments of Polish Television, 1st and 3rd Channels of Polish Radio and main Polish newspapers and weekly magazines. All of us aim to publish several articles or programmes about exploration of Space (also after the Space Week).
- We will open a special Web site with information about World Space Week and our competition.
- Scientists from Polish Space Research Centre formed a group of consultants to serve journalists with their knowledge.
- We also prepared a list of scientists who will help children in difficult problems related to the competition.
- We do have a strong support from the association Interkl@sa which is the biggest (and very influential) supporter of Internet for schools, led by Mrs. Staniszewska MP. They will develop the competition in schools.

2.5.18 Portugal

- Exhibitions
 - Portuguese Participation at the International Space Camp 2000
 - Science in Space - Educational Project
- Videoconference with an Astronaut and Scientists.
- "Open house" at the two Universities that teach Aerospace Technology courses
- Special Planetarium Sessions in the cities of Lisbon and Porto
- Student activities - Aerocalminhas at city of Tomar - Flight Demonstration / Astronomy / Seminars.

- Astronomical Observatories - guided visits.

2.5.19 Romania

- October 3: 10:00 Press Conference at the ROSA Headquarters devoted to the WSW. Invited are ministers and secretaries of state, presidents of national agencies involved in the Romanian Space Program
- October 4: Short Radio and TV shows devoted to WSW
- October 5: 10:00 - 14:30 Festive Session organized by ROSA. Invited: ambassadors, govt. representatives, heads of scientific laboratories and universities, industry, scientists, NGO's, press, youth and students. A presentation of the new Romanian Space Program will be included
- October 6: Scientific Sessions with communications regarding recent results organized by: Institute of Space Science (ISS): Space Exploration - International Science Projects and National Institute for Aerospace Research (INCAS). The subject: Societal and economic applications of space science and technology

2.5.20 Russian Federation

The following activities are planned by Russia for World Space Week:

- Supporting the UN opening of World Space Week in Vienna, Austria on 4 Oct:
 - Updating our exposition on space activities of Russia in the Vienna International Centre
 - Participation in the opening and making a report at a session of a round table
 - Decoration by the Medals of Rosaviakosmos " Star of The Blue Planet"
- Press-conference for the journalist in Rosaviakosmos (Moscow)

2.5.21 Saudi Arabia

- The following activities are planned at the Jeddah Science & Technology Centre
 - Space Shows Gallery "all interactive shows done by energetic instructors for students - boys and girls"
 - Space Exploration Gallery -- "All hands-On Exhibits"
 - Space Films, in our Science centre Dome
 - Space Adventures "Special programs using advanced Simulator machine"
 - Telescope programs for students " Evening Time "

2.5.22 Spain

- The National Institute for Aerospace Technology (INTA) in Spain is considering the possibility of carrying out the following activities:
 - Organizing open houses for school groups at facilities, tracking stations, etc.
 - Complementing those visits with informative talks or lectures by scientists and technicians of the Institute

- Distributing illustrated teaching materials prepared by the Institute
- Encouraging agencies and enterprises in the sector to take part in larger-scale activities
- Offering to participate in initiatives sponsored by third parties (lecture series, television programmes, exhibitions, etc.). To this end, we have initiated contacts with the Museum of Science, which would cover activities in Madrid and Barcelona.
- INTA is also considering the possibility of starting, either on its own or in collaboration with others, a web site with a large number of internet links providing access to major web pages in the sector (ESA, NASA, etc.)
- On our web page, www.inta.es, is a commemorative ad of the Space Week. We have included there the layout of the postmark we have placed at Barcelona post office for one month duration starting on September 21st.

2.5.23 Sweden

- The RTN (Space Technology Network) in northern part of Sweden, is an economical union with about 50 member companies and the universities of Umeå and Luleå and the space related activities in Kiruna (the Swedish Institute of SpacePhysics - IRF, Satellus AB and Esrange among others) is going to hold a space Business Conference in Skellefteå, Sweden called 'Space Business Event 2000' where we are going to invite space related companies in Sweden, Norway, Finland and Russia to participate with several companies in the northern part of Sweden. We are also going to invite space related science and developers in Europe including ESA and EAC and some other space related organizations. The conference will be held on the 4 - 5 of October this year. The Swedish National Space Board is going to join this conference, with Saab Ericsson Space, Volvo Aero Corporation and Swedish Space Corporation. For more information, see <http://www.rtn.nu>

2.5.24 United Kingdom

- London -- 5th October, 10 am: IMAX, 'Destiny in Space' movie. Free to schools. BFI IMAX Cinema, Waterloo, London. Contact Alex Patrick, 020-7960-3140 Email: alex.patrick@bfi.org.uk
- Liverpool -- 6th October, 2-4 pm: Church of Jesus Christ of Latter-Day Saints, 4 Mill Bank, W Derby, Liverpool. Featuring Don Lind, former Astronaut. Free, admission by ticket.
- Farnborough -- 7th October, 09.45 - 17.00. DERA, Farnborough, Hampshire. Rocket competition for school students. Free
- London -- 14th October, 10.00 - 17.00. Science Museum. Space Education Symposium: Looking at the latest space education initiatives. Admission by ticket (£5-15). Contact: Space Education Council, 020-8974-8006 or email sec@celestek.co.uk

2.5.25 United States

Arizona

- Peoria -- The Challenger Learning Center of Arizona is hosting an event on the 5th of October. Astronaut Dr. Bonnie Dunbar will be speaking.

California

- Santa Clara County -- Every science teacher in the county (over 1,600 of them) are receiving World Space Week teacher kits, courtesy of Space Systems Loral. Many of the K-12 teachers

will use special space-related activities to reinforce essential science and math knowledge and skills that week.

- Moffett Field -- The NASA Ames Research Center promotes the role of females in space with a webcast and Internet chat sessions on Oct. 5. There will also be other web events by NASA for World Space Week. For more information, please see quest.nasa.gov/space/events/cc

Florida

- Cape Canaveral -- Launch of STS-92, a mission of the Space Shuttle Discovery to the International Space Station on Oct. 5 at 9:38 pm local time.

Indiana

- Indianapolis -- Historic first public viewing of Liberty 7, the Project Mercury capsule that spent nearly 40 years on the ocean floor. Opens Oct. 7 at the Children's Museum of Indianapolis.

Louisiana

- Lafayette -- Special exhibit at Lafayette Natural History Museum & Planetarium. The display for World Space Week/La Semaine de la Science is called "Sun under Surveillance." It will be about solar research by ESA spacecraft and French observatories, using images and information supplied to us by CNES, the Centre National d'Etudes Spatiales. The labels will be in both French and English

Maryland

- Greenbelt Area -- An estimated 100 science teachers plan to use space activities in the classroom using World Space Week Teacher Kits provided by Honeywell Technical Solutions and the Goddard Alliance.

New Jersey

- Newark -- "Night Skies: The Art of Deep Space," an exhibition of astronomical photography by David Malin, opens October 11 at the Newark Museum. Dr. Malin will give a lecture in the Johnson Auditorium at 6:00 p.m. A reception and book signing will follow.

New York

- New York City -- October 4 -- Official global launch of World Space Week at United Nations Headquarters. See details under UN Activities, above. The agenda for the 10 am - 1 pm event includes a panel of astronauts and cosmonauts, and presentations on uses of space in disaster management and telemedicine. The Planetary Society will sponsor the final half-hour segment of the program with a Student Press Conference for middle and high school students from New York schools. Bill Nye "the Science Guy" will take questions directly from the student audience.
- New York City -- October 4 -- Evening public lectures at Hayden Planetarium cosponsored by the Planetary Society. Speakers include Bill Nye, Adriana Ocampo, and Neil Tyson.

Ohio

- Dayton -- Boonshoft Museum of Discovery will offer an afternoon of teacher hands-on astronomy classroom activity demonstrations on Sunday 8 October, 1:00 p.m. to 4:00 p.m. We will be utilizing our Starlab to share some basic night sky observing activities. We will be providing web site listings for astronomy activity sites. Any teacher will be admitted free of

charge as long as they provide proof of their teaching position. Please call 937/275-7431 for more information.

Texas

- Clear Lake -- Hundreds of teachers around the NASA Johnson Space Center will be featuring space in the classroom using the World Space Week Teacher Kit, thanks to the United Space Alliance and Hernandez Engineering.
- Lubbock -- October 4-8 -- An appearance by NASA Astronaut Dr. Bonnie Dunbar highlights the Museum of Texas Tech University's extensive celebration of World Space Week. The celebration features special planetarium shows, films, demonstrations, workshop, special speakers, and more. For information, visit their web site or call 806-742-2432.

2.5.26 Cyberspace

The following cyberspace "events" were planned to celebrate World Space Week 2000:

- quest.nasa.gov/space/events/cc -- NASA experts interact with students worldwide
- www.eSpaceTickets.com -- Promotion of space tourism
- www.discoverastronomy.com -- Launch of new web site to promote astronomy.
- www.gopinoy.com -- Student contests in the Philippines

2.6 Reported Results

This section includes reports received by SIA from World Space Week 2000 participants.

2.6.1 Australia

The following document was adopted at the SpaceFutures 2000 event, held during World Space Week 2000 in Canberra. The annexes cited herein are not included in this report, but are available at the World Space Week web site, www.spaceweek.org:

SPACEFUTURES 2000 AUSTRALIAN YOUTH SPACE CHARTER

Introduction

We, the SpaceFutures 2000 delegates, are a group of 150 Australian young people representing universities, industry and space associations and a diversity of professions. The SpaceFutures 2000 conference demonstrates our commitment to developing an Australian Space Industry via 'Education and Collaboration'. This Charter represents the views of SpaceFutures 2000 delegates on (a) the present state of the Australian Space Industry; (b) our vision for Australia's future in a global space industry; and (c) how delegates believe this vision can be realised.

The Present State of the Australian Space Industry

We are a nation reputed for its excellent education system, intelligent, literate and technically aware society, and a demonstrated capacity to innovate. Australia's political stability and geographic location make it an ideal base for a space industry. A diverse range of space-related initiatives are already being undertaken in Australia by government, universities and private industry. The potential for Australians contributing to a local space industry is largely unrealised or underutilised. Young space industry professionals are increasingly frustrated with the lack of employment opportunities in Australia. Australian's should not have to relocate internationally to utilise their skills and realise their potential. A continual loss of

intellectual capital and innovation to international state and corporate organisations comprises Australia's long-term economic, social and cultural sustainability. World-leading Australian Research and Development in the space arena is suffering from a lack of funding, leadership and priority from government and the private sector. The Australian public are poorly informed about issues related to: space development; the associated benefits of space technology; and our country's participation in space related activity. Australia lacks an adequate and effective structure through which to coordinate, communicate and represent the interests of all those participating in our Space Industry. Innovative Australian R&D is carried out by independent groups without collaboration or an exchange of ideas or resources, which is impeding the development of an integrated industry.

Our vision for Australia's future in a global space industry

We envisage a sustainable Australian space program that meets clearly defined needs of Australian private and corporate citizens and ignites public enthusiasm and our sense of national identity. As a multidisciplinary collaborative program, it will reflect our existing strengths and realise our capacity for further innovation. Australia's participation in a global space industry will maintain our international credibility in a range of broader political, social, economical and technical fields. Some possible applications of such a program are outlined in Annex 1. *We envisage Australia developing world-class products and services* for the global space industry. Australia is a market leader in niche areas and could become a centre for excellence in the Asia-Pacific region. *We envisage an effective multidisciplinary Research and Development program* with tax incentives and subsidies to encourage private investment. This R&D will deliver financial returns to investors with commercially relevant research being carried out. *We envisage opportunities for youth involvement and development in the space industry* with young people involved in all aspects of space and space programs. Australia's youth will have regular opportunities to learn about space opportunities, to undertake space research, and to find employment within national programs. We see young people being supported by continued mentorship from more experienced professionals within the space industry. *We envisage a supportive and informed Australian culture* that is enlightened and informed, understanding the economic, social and other benefits of an Australian Space Industry. *We envisage a national space organisation* that will represent the interests of all those participants in the Space Industry as well as coordinating all space related activity and leading community education campaigns.

How Delegates Believe this Vision Can be Realized: Our Commitments

We commit to developing new and existing innovative projects that improve the commercial and political viability of our Space Industry. We commit to convening SpaceFutures as an annual forum for young people to present, develop, and further ideas of Australia's future in space. We commit to preparing Australia for a National Space Organisation through encouraging and facilitating collaboration and networking of current state and national space associations, research groups and industry members. This will create necessary cohesion amongst space industry leaders, projects and infrastructure. Some ideas for the structure of this organisation are given in Annex 2. We commit to forging domestic and international networks between groups of young people, government agencies and industry partners. We commit to developing public outreach programs and education initiatives across primary and secondary schools and the wider community. We commit to fostering partnerships between individual educators, universities and schools. We commit to incorporating media and education initiatives as a central part of space related activity. We commit to conducting market research to identify the demands, potential markets and product opportunities for the global space industry.

How Delegates Believe this Vision Can be Realized: Our Requests

We ask for exchange programs for students, researchers and industry representatives with international space companies, organisations and research institutes, including funding for an International Space University scholarship program. We ask that government and industry endeavour to communicate their work actively to the community, focusing on education and

outreach of the benefits of the space industry. We ask that more young people be given the opportunity to participate in Australian Space Affairs.

Conclusion

We commit to the objectives in this document and endorse it as our direction for the next year. This Charter will be an active document that is reviewed and endorsed at each SpaceFutures conferences. We ask Australian Federal and State governments to endorse this Charter.

2.6.2 Brazil

Brazil's report following World Space Week 2000 included photographs from various events. Selected photographs can be seen at www.spaceweek.org.

2.6.3 China

A detailed report of China's extensive celebration of World Space Week 2000 is included in China's Space Activities 2000, a report of the China National Space Administration. It reported that more than 2000 people attended the World Space Week celebration rally on October 4 at Peking University, including government officials, foreign diplomats and students. Prof. Song Jian, Vice Chairman of Chinese People's Political Consultative Conference (CPPCC) and President of Chinese Academy of Engineering, delivered a keynote speech.

An exhibition on "Mankind and Space" for World Space Week was held in Beijing. 60,000 visitors were received at the show, with 70% being youngsters. On October 10, CPPCC Chairman Li Ruihuan visited the exhibition.

To popularize space science among young people, the Organizing Committee of World Space Week published two books of popular science. On October 10, the committee held a donation ceremony deliver books to the Natinoal Library and more than 200 schools and universities in 10 provinces.

On October 9, Communicational University of Shanghai, Xian Northwest Polytechnical University, and Harbin Institute of Technologyies organized seminars for academicians. Municipal and provincial government leaders from Shanghai, Shaanxi, and Heilongjian along with tens of thousands of students attended these seminars.

China Central Television featured a special popular science program on "Aerospace and Natinoal Economy to provide the awareness of space among the public. CNSA and Xinhua news network and websites published special columns for World Space Week. Extensive publication was promoted through television, newspaper, and internet for the celebration of World Space Week and humanity's achievements in space.

China Telecom issued during World Space Week a set of four phone cards about China and space.

Extensive photography and information about China's World Space Week celebration is available on the web. Please see the following CNSA web site:

http://www.cnsa.gov.cn/wsw/mainpage_e.htm

2.6.4 Philippines

We held web design contest for local high school students within Manila and the response was a success! The following has further information:

<http://www.gopinoy.com/tech/spaceweek/>
<http://www.gopinoy.com/tech/spaceweek/winner.htm>
<http://www.gopinoy.com/tech/spaceweek/finalist.htm>

Awarding of winners was held at Gopinoy.com's office in Makati City, Philippines on October 30, 2000. Carmela Sogono of De la Salle Zobel High School received her first price cash award from GoPinoy.com's General Manager, Mr. Vic Reyes. Diwa Del Mundo was the First Runner-up from UP (University of the Philippines) Integrated School. The 2nd Runner-up winner was a group effort headed by Benjamin Ong of Jubilee Christian College.

Through this event, we proudly presented to the world the talents of our young Filipino high school students, by featuring all their works in the Philippines' number one portal - Gopinoy.com with World Space Week's objective in mind. The Gopinoy.com Team extends our thanks to you, for giving us the opportunity to be a part of Spaceweek and we are very glad to have contributed to its success! We look forward to World Space Week 2001.

2.6.5 Poland

I am very pleased to inform you that it was a significant success. As you know, we join you in September, so it was impossible to organize a big program during such a short time. We concentrated our efforts on publishing information in mass media about the idea of Space Week International. Not trying to be pathetic, I could say, that this year we rather planted a seeds than celebrated the harvest.

We opened the Spaceweek on 4th October, at 5 pm at Panasonic IMAX Cinema in Warsaw. After speeches of prof. Robert Galazka (Chairman of Committee on Space Research) and Mrs. Grazyna Staniszewska (Chairman of the Parliamentary Commission on Culture and Education) we screened an amazing educational film "Blue Planet" made by Smithsonian Institution from the Shuttle on the Earth orbit. Our guests were: members of Parliament, Warsaw authorities, scientists, journalists from 80 newspapers and magazines, CEOs of corporations active in field of space industry and last but not least - children.

Each journalist received a list of experts from Committee on Space Research and Space Science Centre, who declared their will to consult articles about space exploration. I think that this "direct" contact with journalist will encourage them to write more (and better) about Space. During the week there was many programs about exploration of Space on Polish Television, Polish Radio and in press and weekly magazines. As a main event, we planned a Space Competition for children. Because of presidential elections that were held during a Spaceweek in Poland, we decided to announce the competition on 2nd November – when the first crew of ISS entered the Space Station.

The first stage of the conquest was:

- the best picture "my home in Space"
- the best short story "The house with a view on Earth"

Information about the contest is available (in Polish only) on our web site kosmos.siecpospolita.org or www.siecpospolita.org. The winners of the competition will be proclaimed on 10th January 2001.

The best picture will go to the ISS! Scott Parazynski promised us to take it to orbit during his flight in April. Mr Andrew Turnage from Association of Space Explorers helped us to arrange this extraterrestrial transport. The author of the best story will be awarded by Mr. Stanislaw Lem – a prominent science-fiction writer, who is also an honorary patron of the conquest. The prizes were founded by sponsors: Boeing, Sun, Philips and Bank of America.

On the same day (10.01.01) we would like to launch the second stage of the game. We would like to encourage children to create at their schools Young Space Explorers Associations. The competition will be held in two categories:

- for the best scientific program, which could be carried out on International Space Station and would benefit the local communities on Earth

- for the best Web site about International Space Station

We would like to open a special Web site with information about Space Station. Scientists from Polish Space Research Centre formed a group of consultants to help children to solve difficult questions. We do have a strong support from the Non Governmental Organization Interkl@sa, which supports the Internet for schools. Mrs. Staniszevska MP – the leader and eraser of Interkl@sa is also one of the patrons of our conquest. The final of the second stage will be held on 4th October 2001. From March till June we want to organize a series of seminars for children from Associations of Young Space Explorers. We want to use Internet as a main tool of interactive communication.

2.6.6 Portugal

Portugal submitted this report of what took place during World Space Week 2000:

Covilhã

University of Beira Interior
October 10 - "Open door" day
at the Department of Aerospace Sciences
Visits 9:30-12:30h, 14-18h local booking or by ☎

Lisbon

Knowledge Pavilion (Pavilhão do Conhecimento) –
Nations Park

Faculty of Sciences U. Lisbon & INETI
Secondary School Passos Manuel
Lisbon Astronomical Observatory &
Centre for Astronomy and Astrophysics U. Lisbon

October 5-10, near the Cyb@rcafé
Exhibition
Science in Space – An Educational Program
International Space Camp 2000 –
Portuguese Participation

October 5-10, Auditorium
"The International Space Station" (video)
Every day sessions 11, 12, 13, 15, 16, 17h

October 7, Auditorium
15h *Talk* "Probes to Jupiter e Titan"

October 8, Auditorium
15h *Talk* "Space Astronomy"

October 10, Auditorium
Science in Space
10:30 Opening Session
Introduction to the Educational Project

11:15 *Talk* The participation of the Portuguese
students at the "International Space Camp
2000" – EUA

14:30 *Video* "Mission in Space Shuttle"

15:00 Astronaut Dr. L. DeLucas

Videoconference "Biotechnology and Space
Flight"

16:00 *Talk* "Microgravity and Human
Physiology"
Planetary Calouste Gulbenkian

October 7, 8
Sessions at 11, 15, 17h Free Entrance- Special
tickets available at the Knowledge Pavilion from
5 to 8 October.

Coimbra

Coimbra Astronomical Observatory
October 9 – "Open door" day
Visits 10-12h, 14-16h local booking or by ☎
21h *Talk* "What can we learn from Space
Probes"

Oporto

Planetary of Oporto
Special Sessions with reduced prices.
Gifts to children.

October 7
15h "Victor goes to the Moon"; 16h "Visions of
the Cosmos";
17h "Our Star the Sun"
October 8
16h "Victor goes to the Moon"; 17h "Visions of
the Cosmos"

Tomar

Club "Os Aerocalminhas"
1-6 October, Tomar Municipal Library
Aircraft Models Week
Program highlights:
10h-21h Exhibition
21h Astronomy Activities
21:30 Theatre: "The Century of Aviation and
Space"

3 World Space Week 2001 Suggestions

This section identifies what could be done by government agencies and other institutions for World Space Week 2001. All COPUOS member states are encouraged to in 2001 to:

1. Establish a World Space Week coordinating committee of some form, if it does not already exist. Ideally, the committee should include representatives of both government and non-government entities to encourage widespread celebration of World Space Week across society
2. Hold programmes in major cities during World Space Week 2001
3. Make educational materials available to some teachers to use during World Space Week, at least on a trial or pilot basis.

Below is additional information on these ideas and other suggestions for COPUOS member states.

3.1 Establish National Coordinator

To efficiently coordinate and expand World Space Week, a network of volunteer national coordinators can be formed. These coordinators can perform a number of important functions and services:

- Invite many organizations to hold special programs during World Space Week in their state
- Provide coordination and support to these event holders
- Seek media coverage of the resulting World Space Week celebration to impact the entire population of a participating state

Currently, there are national coordinators or points of contact in approximately 30 states. For the latest list, please see www.spaceweek.org.

Your state is encouraged to support the coordination of World Space Week in your state. If there currently is no coordinator in your area, you can appoint an individual or committee for that purpose.



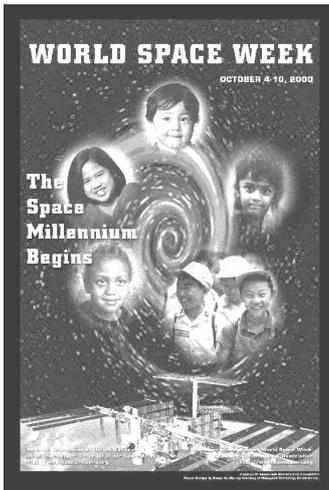
3.2 Hold Events

To attract truly global attention to space, World Space Week needs participation by the entire world space community. Therefore, your state is invited to hold special space events or other programmes during World Space Week. There are many kinds of activities that can be held by government organizations during World Space Week. Ideas for events can be found at www.spaceweek.org. For example:

- Open space facilities for public and/or student visitation

- Arrange for employees to speak to schools and groups about space
- Host special events to educate government leaders about space
- Promote your state's space programmes in the media and on the Internet

You can participate in World Space Week without expending additional resources by rescheduling one or more planned outreach activities into the 4-10 October timeframe and publicizing them as part of World Space Week. Of course, new activities can also be planned.



3.3 Distribute the World Space Week Poster

Each year, in concert with the annual World Space Week theme, the World Space Week poster provides an appealing visual image that can be used by all participants. Special versions of the poster in different languages can be created. Governments could distribute the poster to key organizations and individuals with a letter informing them about World Space Week. To request copies of this year's poster, please contact SIA and indicate the number of posters desired.

3.4 Provide Activities to Teachers

World Space Week is the ideal time for teachers to use space to excite children about mathematics and science and develop your state's workforce of the future. To encourage this process, SIA publishes the *World Space Week Teacher Activity Guide*. The Guide contains mathematics and science activities with a space theme that teachers can easily use. It is distributed via paper and electronic means. A World Space Week Teacher Kit is also available which includes the Guide, World Space Week posters, and student achievement certificate. Interested states could distribute these or other materials to teachers. States could consider the following steps:

- Translation and adaptation of the materials for different languages and cultures
- Curriculum developers to expand the Guide and augment it via the Internet
- Publicizing World Space Week to the educational community
- Printing and shipping the materials to teachers around the world

The Guide is currently available in English via www.spaceweek.org.

3.5 Provide Teacher & Student Awards

To encourage use of World Space Week in the classroom, states could provide awards to teachers and students who most creatively using space in the classroom during World Space Week. National-level winners can then compete for global awards that are offered each year by SIA. For information on the global teacher and student award



programme, please see www.spaceweek.org. Please contact SIA for additional information.

3.6 Encourage “Youth Vision” Events

To excite young adults about space, youth vision events can be held during World Space Week. As successfully demonstrated in Australia during World Space Week 2000, young people can meet to learn about space and discuss their visions for the future. In 2001, events in different countries can be linked via the Internet to facilitate a worldwide exchange of ideas and develop a global youth vision for the future. Such a "global event" could also attract excellent media coverage and inspire youth worldwide.

3.7 Ask the Media to Feature Space during World Space Week

A few media organizations could be informed about World Space Week and encouraged to feature space that week. These could include national broadcast networks, local TV or radio stations, or major newspapers.

4 Spaceweek International Association’s Role

Spaceweek International Association (SIA) is a proud partner of the United Nations Office for Outer Space Affairs in the global coordination of World Space Week. The Association is a non-profit organization that exists for this sole purpose. For nearly 20 years, SIA served as coordinator of a similar event. Now the Association is applying its knowledge and network of participants to accelerate the development of World Space Week in support of the UN.

SIA is led by executives who support the goals of UNISPACE III. The Board of Directors is chaired by Prof. Ing. Ernesto Vallerani of Italy. The following leaders serve on the Board:

- *Buzz Aldrin, Apollo Astronaut*
- *Oleg Alifanov, Moscow Aviation Institute*
- *Alvaro Azcarraga, Sener*
- *Larry Bell, University of Houston*
- *Wendell Butler, Young Astronauts*
- *Sergio Camacho, United Nations*
- *Pat Dasch, National Space Society*
- *Karl Doetsch, International Space University*
- *Kerrie Dougherty, Powerhouse Museum, Australia*
- *Luo Ge, China National Space Administration*
- *Giuseppe Giampalmo, European Space Agency*
- *Driss El Hadani, Royal Centre for Remote Sensing, Morocco*
- *George French, Space Explorers*
- *Israel Galvan, GHG Corporation*
- *Tom Hanks, Actor*
- *Miguel Hernandez, Hernandez Engineering*
- *Jay Honeycutt, Lockheed Martin*
- *Carolyn Huntoon, U.S. Dept. of Energy*
- *Dale Johnson, WiseWare*
- *Michel Laffaiteur, Centre National d’Etudes Spatiales*
- *Thomas Marsh, Lockheed Martin*
- *Wendell Mohling, National Science Teachers Association*
- *George Mueller, Kistler Aerospace*
- *Ian Pryke, European Space Agency*
- *Tom Stafford, Apollo Astronaut*
- *Ernesto Vallerani, Icarus*
- *Joao Vaz, Brazsat*
- *Kazuyoshi Yajima, Nihon University*

For World Space Week to fulfill its great potential as envisioned by the nations assembled at UNISPACE III, participation must be expanded and guided to support UNISPACE III

goals. These are the objectives of World Space Week global coordination. Only through a cooperative, coordinated effort can World Space Week grow into a truly worldwide event that touches all of humankind.

The benefits of global coordination were demonstrated during preparations for World Space Week 2000. In the months preceding the celebration, the UN and SIA attracted many new national coordinators and event organizers. They responded to numerous requests for information and assistance. Materials such as posters and teacher kits were widely distributed. For example, artwork for the large World Space Week poster was provided to CNSA for use at their event. Extensive information on planned events were compiled and widely disseminated via the Internet and the media.

World Space Week 2000 has already resulted in inquiries from potential new participants for 2001. In order for World Space Week to build on the momentum from 2000 and reach its full potential, the global coordination function should expand to serve the increasing base of participants. Volunteer support by interested states will greatly assist the Association in carrying out its mission to support the United Nations on World Space Week in fulfillment of the Vienna Declaration.