

NIAR TEAM MET PRIME MINISTER



Left to Right: Ms. Bharathi, VU2RBI, Dr. Manmohan Singh, Hon'ble Prime Minister of India, Mr. Suri, VU2MY, Mr. S.B. Ram, VU2LIC & Mr. D.N. Prasad, VU2DBP.



Mr. Suri Chairman NIAR met Dr. Y.S. Rajasekhara Reddy, Hon'ble Chief Minister of Andhra Pradesh, as Mr. S.B. Ram, VU2LIC, Addl. Director looks on.

THREE DECADES OF NIAR IN PUBLIC SERVICES

We are remembering some of India's Pioneering role in promoting Amateur Radio. It is difficult task to bring out every detail of the numerous Past achievements, however some special events & achievements in the past in the promotion of Amateur Radio in the country are highlighted here. The Amateur Population in India which was around 1500 (in 1982 before NIAR was established) has raised to nearly 15,000 through its consistent Promotional activities. This is ten fold increase.

A peoples movement in Information Technology is Launched by NIAR.

1971- Members of Ham Amateur Radio Club, Ex- servicemen Association, members of the HAL Workers union together organised a 'Jawans stall' at Secunderabad Railway station under the leadership of Mr. S. Suri.

1972 - Mrs. Indira Gandhi, Prime Minister received a cheque of Rs 30,000/- from Mr. Suri representing HAL, Hyderabad division. The autograph by her was in 1978 after presenting a report on Hams role in Morvi disaster. (pic on back cover)

1975- Registration of A.P. Amateur Radio Society (APARS).

1976- A.P. Govt. constituted a committee under the Chairmanship of Secretary, Technical Education, Employment & Training with Director, Employees & Training and Director, Technical Education. This committee after going through lot of process and discussions with Mr. Suri, the founder gave a report on the usefulness of Ham's during natural calamities and other areas and on APARS to Government of AP. Later Mr. T. Anjaiah, Hon'ble Chief Minister approved several proposals including the release of first AP grant of Rs. 1,00,000 in 1980.

1982- A major All India Hamvention was conducted by APARS at Hyderabad which was attended by former prime minister Late Shri Rajiv Gandhi, VU2RG.

APARS provided Amateur Radio network during the 9th Asian games - Asiad'82 held at New Delhi.

1983- APARS provided communication network at the Common Wealth Heads of Government Meet (CHOGM) held at Goa.

A team of three members led by Mrs. Bharathi Prasad, VU2RBI operated expedition station at Lakshadweep Islands.

NIAR was established Mr. V.N. Gadgil the then Hon'ble Minister of State for Communications, GOI, inaugurated.

Mr. S. Suri, VU2MY the Executive Vice-chairman & Director, NIAR was sent on global tour for two months to study many international Amateur Radio organisations. This was approved by Mrs. Indira Gandhi as Minister for Electronics & Prime Minister.

NIAR emerged as a National Organisation in promotion of Amateur Radio. Dept. of Electronics, Govt. of India decided to recognise it as an Apex organisation and funding it to the tune of Rs. 95 lakhs.

Mr. V.N. Gadgil, Minister for Communications inaugurating NIAR.

1984- Established NIAR office at P.S. Nagar. (Mr. Suri's residence)

1985- Shifted NIAR office to Road No.1, Banjara Hills.

1986- Constructed own buildings and moved NIAR office to Rajbhavan Road, Hyderabad.

Participated in RSGB (UK) and AMSAT (UK) conferences.

1987- NIAR conducted a major Expedition to Andaman & Nicobar Islands with a team of 30 members lead by Mrs. Bharathi Prasad, VU2RBI. She became number one among woman Hams and was Awarded World wide 'DX'er and 'Ambassador on the Air,' by USA."

1987- 1992 - All India Hamvention held at NIAR HQ.

1988- International Amateur Radio Union President and two other representatives visited NIAR.

1989- 2nd Laccadives Dxpediton was conducted by NIAR with a team of 5 members lead by Mr. S. Suri VU2MY.

1991- Major Policy - Introduction of Amateur Radio (Ham Radio) as an activity under Work Experience from Class IX onwards in all CBSE affiliated schools.

1993- Acquired office building at Delhi and started expanding NIAR activities in North India.

1993- Mr. S.K. Arora, IAS, became, chairman. A team of 3 members under his leadership with Mr. M.G. Gopal, IAS and Mr. S. Suri VU2MY visited Japan and other South East Asian countries. Interacted with officials of IARU, JARL and others.

1994- Collaboration with Rajiv Gandhi Foundation and establishment of R.G. Amateur Radio Club.

1994- Major All India Hamvention held a Bangalore. Many Politicians, IAS, IPS, representative of R.G..F are among the dignitaries who attended.

1994- NIAR receives 'Golden Antenna' from German & Dutch Society - Mr. S.K.. Arora, IAS represented, NIAR at Bad Bentheim, Germany in the presence of Indian Embassy officials and other high dignitaries including the Mayor.

1995- Major all India Conference at Delhi. Dr. Shrikanth Jichkar, MP, Rajya Sabha who is also highly qualified person in India took over as Chairmen.

1996- MPLAD scheme approves setting up Amateur Radio Clubs in Schools.

1997- Mr. N. Vittal recommended Public Sector Enterprises to establish Amateur Radio Clubs in their Schools. ONGC, IOC Gujarat Refinery have already taken up and some more are on the pipeline.

1997-98- The Govt. of India entrusts a study of Socio-Economic Viability of Village Public Telephones to NIAR Which was successfully completed.

1999- NIAR provided second line of communications during Orissa super cyclone.

2001- NIAR provided second line of communications during Gujarat Earth Quack.

2004-05 - NIAR implemented a project given by Department of Information Technology, Govt. of India and established 10 Amateur Radio Centres across the country.

Dec. 2005- NIAR has conducted a major Dx-pedition at Andaman & Nicobar Islands under the leadership of Mrs. D. Bharathi Prasad VU2RBI.

Dec. 26th to 10th Jan. 2005- NIAR has provided communications during Tsunami Operations at Andaman & Nicobar Islands.



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(L to R) Mr. Ujagar Singh, IAS VU2UJS, Mr. R. K. Arora, Group Coordinator, DIT, Mr. Ajeer Vidya, IAS JS & FA, DIT, Mr. N. Vittal, IAS (Retd.) VU2NVO, former CVC, Mr. S. Suri, VU2MY, Chairman NIAR, Dr. Seppo Sisatto, OH1VR, Mr. N.G. Nanda, VU2NG, Mr. E. Radha Krishna, IPS VU3LRE while releasing the Souvenir

NIAR ORGANISED "INTERNATIONAL SEMINAR ON AMATEUR RADIO COMMUNICATIONS IN DISASTER MANAGEMENT" ON 18TH APRIL, 2005 AT CHENNAI, INDIA.

The National Institute of Amateur Radio has organized an "International Seminar on Amateur Radio Communications in Disaster management" on 18th April, 2005 at Chennai. This seminar was sponsored by Dept. of Information Technology, Govt. of India, New Delhi. The Chief Guest of the program is Mr. N. Vittal, VU2NVO, Former Central Vigilance commissioner, Govt. of India.

The Seminar started at 10 A.M with the Inaugural Session by welcoming the Distinguished guests with Bouquets and followed by lighting of the lamp by the Chief guest Mr. N. Vittal, VU2NVO and former Chief Vigilance commissioner, Govt. of India and also by the honored guests. The Guests of Honour on the Inaugural session was Shri. R.K. Arora, Group Co-ordinator, Dept. of I.T, Govt. of India, Shri. Ajeer Vidya, IAS, Joint Secretary & Financial Advisor, Govt. of India, Shri. Ujagar Singh, IAS (VU2UJS) Special Secretary, Govt. of Tamil Nadu and Shri. E. Radha Krishna, IPS, DIG, CRPF, Hyderabad and Shri. N. G. Nanda, VU2NG.

The Seminar got the eigent look with the participation of International Delegates. They are 1. Dr. Seppo Sisatto, OH1VR, Chairman, First Global Amateur Radio Emergency Communication Conference-2005, Finland, 2. Mr. Victor Goonetillika, 4S7VK from Sri Lanka, 3. Shri. Gray Fismar, DF2IC from Germany, 4. Ms. Jeen Parker, KC0HKB from USA 5. Shri. Frank Rosenkranz, DL4KQ from Germany etc.,

More than 200 hams participated from all over India.

A souvenir was brought out and the same was released by the Chief Guest. The Souvenir contains technical articles written by various Hams and the Messages received from Hon'ble President of India, Hon'ble Governor of A.P and Hon'ble Chief Minister of Andhra Pradesh and the Secretary M.I.T, Govt. of India and the Finance Minister of A.P.

The chief guest honored all the Hams who have participated in the Tsunami operations with the silver medal and a certificate.

HAMSAT (Exclusive satellite for Radio HAMS)
Launched by ISRO on 5th May, 2005

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GLIMPSES OF INTERNATIONAL SEMINAR



Shri N.Vittal, IAS (Retd.), VU2NVO, Former CVC receiving Rajiv Gandhi Memorial Award - Gold Medal from Shri S. Suri, VU2MY Chairman, NIAR as Mr. S.B.Ram, VU2LIC, Looks on



Shri N.Vittal, VU2NVO presenting Dr. Shrikant Jichkar Memorial Award - Gold Medal to Shri N.G.Nanda, VU2NG. Mr. S.Suri, VU2MY is also seen.



Meritorious Service Award - Tsunami Relief Operation award presented to Mr. Victor Goonetilleke, 4S7VK, Sri Lanka by Mr. N. Vittal, VU2NVO, Former CVC, Mr. Ajeer Vidya also seen



Momento presented to Mr. Frank Rozenkranz, DL4KQ Germany by Mr. N. Vittal, VU2NVO, former CVC, Mr. R.K. Arora, Mr. Ajeer Vidya, Mr. S. Suri, VU2MY also seen



Ms. Gean Parker is presented a momento by Mr. N. Vittal, VU2NVO former CVC, Mr. Palaniappan, VU2PKV is also seen



Ms. Catherine Lawhun, K4ECM of DERA, USA is getting a momento from Mr. N. Vittal, VU2NVO, Mr. R.K. Arora, Mr. Ajeer Vidya, Mr. S. Suri, VU2MY also seen



Mr. Frank Rozenkranz, DL4KQ, Germany (GDXXF) presented \$1600 Cheque to NIAR. Mr. S. Suri, VU2MY, Chairman, VU2MY is shown receiving the cheque, Mr. N. Vittal, VU2NVO, Mr. R.K. Arora, Mr. Ajeer Vidya, also seen.



Mr. Greg Fisser, DF2IC, Germany is presented a momento by Mr. N. Vittal, VU2NVO, Mr. S. Suri, VU2MY, Dr. Seppo Sissatto, OH1VR is also seen

The Technical session I started after the lunch. The title of the session was Technology Trends in Amateur Radio Communication. This session was chaired by Shri. R.K.Arora and the speakers discussed on the following subjects.

1. Technologies in Amateur Radio operations by Mr. Greg Fisser, DF2IC, Germany
2. Amateur Radio/Community Radio by Ms. Jeen Parker, KCOHKB, USA
3. Antennas and Propagation by Mr. Frank Rosenkranz, DL4KQ
4. Amateur Radio trends in India, by Mr. R. Ramachandra, VU2RCR
5. Low Cost Amateur Radio Devices by Ashhar Farhan
6. Technology for fusing community-Amateur Radio Communications by Dr.L.V.Pathy, VU2PQ
7. My days of Amateur Radio by Shri. N.G. Nanda, VU2NG

The second Session was Disaster Management Practices in the World. This session was chaired by Shri. Ajeer Vidya, JS & FA, Dept. of I.T, Govt. of India.

The Topics and the speakers in the session are given below:

1. Emergency Communication Practices in USA by Ms. Catherine Lawhun, K4ECM, DERA, USA. She gave away the awards from on behalf of DERA, USA to the Tsunami operators for their outstanding services during Tsunami operations.
2. Disaster- Amateur Radio and a Srilankan Experience by Mr. Victor Goonetilleke, 4S7VK
3. Medical Emergency Communications in India by Shri. Gajapathi Rao, VU2GJR

The Inaugural session was ended with the vote of thanks by Shri.G.L.Rao, VU2GL, Vice Chairman of NIAR

4. Role of Amateur Radio in Disaster Management and IT by Mr. Deepak Mitra, VU2DPM
5. Amateur Radio – Emergency Management in India by Shri. S. Satyapall, VU2FI
6. Information Failure in Disasters by Mr. T. Vijayendra, VU2QK

The Third Session was on Policy Issues of Radio Amateurs. The session was chaired by Er. G.L. Rao, VU2GL. Immediate past president, Institution of Engineers (India). The speakers of the session was 1. Shri. Asutoshan, VU2BBJ, 2. Shri. Ngesh Upadhy, VU2NUD, 3. Shri. P. Saikia, Addl. SP, Assam Police Radio Organisation, Assam.

4. Raja karthikeya a Software Engineer and SWL who has done excellent service during Tsunami operations at Car Nicobar Islands.

The last session was Panel discussion and resolutions Chaired by Mr. Ajeer Vidya.

RESOLUTIONS

Among the resolutions passed at the International Seminar on Amateur Radio Communication in Disaster Management conducted at Chennai, India stated that "NIAR will closely associate with GAREC – 2005 and other countries interested for taking up joint programs with NIAR to further develop Disaster Management efforts in India also in other countries of the region".

It is also resolved that NIAR will take up with the interested Ham groups/Public leaders in Ham like parliamentarians and other social workers in Europe/USA etc. on proposals for amateur radio development / disaster management projects in their aided schemes in India.

GAREC – 2005 may similarly take up a resolution to formulate a High level Amateur Radio disaster management committee under Dr. Seppo Sisatto or his nominee as International Chairman and Mr.Suri or his nominee as Co-chairman and others as you or GAREC-2005 may decide to formulate proposals/schemes to be implemented in the future. This is suggested to you to build a structure as response teams for Disaster Management through Amateur Radio on International basis.



Mr. R.K. Arora, Group coordinator, DIT lighting the lamp at International Seminar conducted by NIAR on World Amateur Radio Day on 18th April at Chennai.



Dr. Seppo Sisatto, OH1VR, Chairman, First Global Amateur Radio Emergency Communications Conference, Finland presenting keynote address.



DERA, USA HAS GIVEN AWARD OF EXCELLENCE TO NIAR. IT WAS PRESENTED TO MR. S.SURI, VU2MY, CHAIRMAN, NIAR BY MS. CATHERINE IAWHUN, K4ECM, REPRESENTATIVE OF DERA.

expertise of ISRO and the experience of AMSAT-INDIA. The second transponder has been developed by Mr. William Leijenaar, PE1RAH, a Dutch Amateur Radio Operator and Graduate Engineering student at Higher Technical Institute, Venlo, The Netherlands. HAMSAT is India's contribution to the international community of Amateur Radio Operators. This effort is also meant to bring ISRO's satellite services within the reach of the common man and popularise Space Technology among the masses.

This Satellite will play a valuable role in the national and international scenario by providing a low cost readily accessible reliable means of communication during emergencies and calamities like flood, earthquakes, etc. Besides, it will stimulate technical interest and awareness among the younger generation by providing them with an opportunity to develop their technological projects including offering a platform for testing New Technologies. Some of the new technologies being incorporated in the HAMSAT include Integrated Processor based Electronic Bus Management Unit, Lithium Ion Battery and Gallium Arsenide based SlarPanels.

Salient Features	
Physical	: 630 mm x 630 mm x 550 mm Cuboid
Mass	: 42.5 kg
Orbit	: 618 km Near Circular Polar Low Earth Orbit
Structure	: Aluminum Honeycomb Structure
Power	: Body mounted Gallium Arsenide Solar Panels Lithium Ion Battery
Stabilisation	: 4±0.5 RPM Spin stabilised
Transponder Uplink	: 435.25 MHz
Transponder Downlink	: 145.9 MHz
Beacon 1	: 145.936 (Unmodulated Carrier)
Beacon 2	: 145.860 MHz (Morse Code)
Antennas	: UHF turnstile, VHF turnstile
Output Power	: 1 watt

HEARTY CONGRATULATIONS TO ISRO, AMSAT-INDIA & HAMS 'HAMSAT' First Indian Amateur Radio Satellite.

The NIAR Governing Council, Members, and Amateur Radio community would like to congratulate all the Officers of ISRO more particularly Shri G.Madhavan Nair, Chairman, ISRO, Dr.P.S.Goel, Director ISAC, Shri K.Thyagarajan, Program Director, IRS & SSS, Shri. J.P.Gupta, Project Director-HAMSAT, AMSAT-India, NIAR Governing Council Member & Co-ordinator AMSAT India Shri Nagesh Upadhy VU2NUD who is also a Senior Scientist in ISRO, Bangalore Hams and others who are actively associated with 'HAMSAT' the First Indian Amateur Radio Satellite. We also thank Dr.K.Kasturirangan, M.P., Former Chairman, ISRO for his initiatives. Serious and sincere effort was made by ISRO to launch the Flight of PSLV on 17 October 2003 but it had to be postponed as in "Thermo-vacuum test of HamSat, deviations in the performance of the HAM payload were observed". This was rectified and successfully launched on 5th May, 2005.

Indian Hams specially thank ISRO for taking the initiative to support the Amateur Radio community and bring communication technology to be accessible to the common man and benefit the society with its use in Disaster Management.

HYDERABAD
THE HINDU • TUESDAY, MAY 10, 2005

CARTOSAT-1 cameras beam quality imageries

T.S. Subramanian

CHENNAI: The two cameras on-board the CARTOSAT-1 have started sending imageries and they show Punjab and Gujarat. The imageries taken on May 8 are of good quality, according to the Indian Space Research Organisation.

They include one over Amritsar. Detailed analysis of the imageries confirmed "the excellent performance of the cameras," said an ISRO press release from Bangalore on Monday.

The Data Reception Centre of the National Remote-Sensing Agency, Hyderabad, received the imageries.

The two cameras were tested by switching them on through a series of programmed commands sent from the Spacecraft Control Centre of ISRO Telemetry, Tracking and Command Network at Bangalore.

The Polar Satellite Launch Vehicle, PSLV-C6, which lifted off from Sriharikota on May 5, put two satellites called CARTOSAT-1 and HAMSAT into polar sun synchronous orbit.

According to an ISRO press release, there was "hectic activity" in the last two days among amateur radio operators all over the world with the switching on of the two transponders on board the HAMSAT in the ultra high frequency and very high frequency.

HAMS were sending their feedback to the ISRO, it said.

DERA AWARD PHOTOGRAPHS



Mr. S. Ram Mohan, VU2MYH is getting an award from DERA USA through Ms. Catherine Lawhun, K4ECM



Mr. Sushil Kumar Dhingra, VU2LFA is getting an award from DERA USA through Ms. Catherine Lawhun, K4ECM



Mr. Shaikh Sadaqathulla, VU2SDU is getting an award from DERA USA through Ms. Catherine Lawhun, K4ECM



Ms. B. Jayamma, VU2JMA is getting an award from DERA USA through Ms. Catherine Lawhun, K4ECM

HAMSAT Launched by ISRO on 5th May 2005

HAMSAT



In its ninth flight, ISRO's Polar Satellite Launch Vehicle, PSLV-C6, has launched India's remote sensing satellite, the 1,560 kg CARTOSAT-1, along with a 42.5 kg piggyback satellite, HAMSAT, in a 618 km polar Sun Synchronous Orbit (SSO) today 5th May 2005. For the first time, the state-of-the-art Second Launch Pad at Satish Dhawan Space Centre (SDSC) SHAR was used for a launch.

HAMSAT is a Microsatellite for providing satellite based Amateur Radio services to the national as well as the international community of Amateur Radio Operators (HAMS). Launched as an auxiliary satellite along with CARTOSAT-1, the 42.5 kg HAMSAT will meet the long felt need of the Amateur Radio Operators in the South Asian region who possess the required equipment and operate in the UHF/VHF band based Satellite Radio Communication. One of the transponders of HAMSAT has been developed indigenously involving Indian Amateurs, with the

