

ABOUT US

NIAR is a Non-Profit, Non-Government Voluntary Organization emphasizing on encouraging peoples' participation in communication and information technology through Amateur Radio and disaster management.

OUR VISION

To build a world-class institution to support advancement of global Amateur Radio activity in terms of promotion, training, advocacy, technical support, knowledge repository and research, exceed the expectations with commitment, quality and excellent service.

PROGRAMS

- Training / Awareness
- Disaster Management
- Support for Organisations
- Technical Support
- QSL Bureau
- Knowledge repository
- Comprehensive consultancy
- Demonstrations
- Supports government in Policy making.

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http://www.niar.org/join_races.htm

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Visit Amateur Radio Museum, Knowledge & Awareness centre, go to
<http://www.niar.org/museum.htm>



NIAR AT DAYTON HAMVENTION - 2013



Mr S. RamMohan VU2MYH Director NIAR attended Dayton Hamvention 2013, USA from 17-19th May 2013 along with Mr. Hari Prasad VU2SPZ and son Rebba Dhruv, KC9ZJX who are settled in USA. It is the biggest Amateur Radio gathering in the world. Later he also visited Disaster Emergency Response Association (DERA) and Boulder Amateur Radio Club and interacted with officials about latest happenings on Disaster Management and Amateur Radio activities.

VU2MYH, Mohan, Visits Boulder Amateur Radio Club by WØAIR, Jay Wilson

Suri Ram Mohan, VU2MYH, is Director of India's National Institute of Amateur Radio (NIAR) (www.niar.org). He attended the MayBARC meeting, saying it was one of the most enjoyable and informative ham club meetings in which he had participated. Before the meeting, Mohan had dinner with WØHB (Joe) and WØAIR (Jay), following meetings at the Space Weather Prediction Center concerning an enhanced global reporting system for Sudden Ionospheric Disturbance (SID) events. The meeting drew on the technical expertise of the international amateur radio community.

Mohan has led numerous DXpeditions and amateur radio teams during catastrophic disasters, including the Orissa Supercyclone and the Indian Ocean Tsunami. When asked about the tsunami, he said, "The ham team that provided life-saving communications in the Andaman Islands was simply a DXpedition team that NIAR had in place for what we thought would be an enjoyable two weeks of DXing. When the earthquake and the resultant tsunami hit, we all were literally running for our lives. We dashed out of our building, taking what radio equipment we could to higher ground away from buildings and the ocean.

Fortunately, individual safety training, team discipline, and good luck preserved all our lives and enough HF equipment so that we could be on the air within 30 minutes, providing critically needed communications for government officials and relief teams. Sadly, a very large number of lives were lost near us, including many emergency responders and communications staff."

During the BARC meeting break, WBØDKT (Glenn) escorted Mohan on a behind-the-scenes visit to the CU Space Sciences Center, which works closely with Edge

of Space Sciences (EOSS) for high altitude testing of science packages, many of which are later developed into satellites and deep space probe missions. Glenn introduced Mohan to project managers and systems engineers who shared details of past and future projects, and who reiterated the dependence that the projects have on amateur radio and EOSS for system checkout and validation.

Mohan said that he was fascinated with the scope and extent of the homebrew projects brought to the BARC meeting. "To be honest, I had never seen...nor heard of...a homebrew Electrocardiogram (EKG) machine until this meeting! I was also very intrigued by the QRP antenna tuner and the QRM Direction Finder projects, as well as the other homebrews brought to the meeting. I just wish that the meeting had gone several hours longer so I could have studied all the projects in detail. Every one was worth a whole meeting!"

After the meeting, VU2THH (Saurabh) introduced Mohan to Professor Dejan Filipovic (YT1EB) at the University, who is leading an antenna development team. Later in the week, Mohan visited W7JSC (Steve) in Cheyenne, Wyoming, who provided a tour of the Laramie County Emergency Operations Center, and an overview of state and local ARES operations. Mohan said, "At the BARC meeting, I met one prospective ham and one brand-new ham. How impressive that the BARC membership with its advanced technical abilities, would also be interested in new hams and those interested in joining."

The meeting night for BARC was particularly poignant for Mohan: "May 21 st in India is much like November 22 nd in the U.S. On May 21 1991, our Prime Minister, Rajiv Gandhi, was assassinated. The Prime Minister was an amateur radio operator, VU2RG, and was a popular, outspoken, and strong advocate for ham radio." Mohan, as Director of NIAR, is the custodian of the memorial call sign VU2RG.

Mohan attended the Dayton Hamvention and said that he was extremely impressed with the BARC Juniors presentation. Following Dayton, Mohan came to Colorado to collaborate with DERA — the Disaster Emergency Response Association (www.disasters.org) on a wide range of issues related to international amateur radio and disasters, including preparation, training, response and recovery, as well as credentialing, governmental recognition and security concerns. NIAR and DERA have been partners in international amateur radio response since 1997, and are exploring strategies to make the amateur radio community more capable of responding across international borders, while increasing the resilience and disaster response capabilities of individual hams.

(Excerpts from BARC News Letter)

NIAR delegates at GAREC 2013 & Ham Radio 2013



Mr. S.Suri, VU2MY, Chairman & CEO, NIAR, Mrs. Ramatripura Sundari, VU2MYL, Ms. M.Bhanumathy, VU2BL and Dr. Fazel Ur Rehman VU3GEH attended GAREC 2013 held at Zurich, Switzerland during 25th to 27th June 2013 and also participated in Ham Radio 2013 at Friedrichshafen in Germany during 28th to 30th June 2013.

GAREC 2013 - Summary Report - GODUB

The ninth Global Amateur Radio Emergency Communications Conference, GAREC-2013, took place in Zurich, Switzerland hosted by the Union Schweizerischer Kurzwellen-Amateure (USKA) and was attended by 45 delegates from 14 countries. The theme of the conference was 'Do we need emergency communications in the 'first world'.

Presentations were received on;

The effects of a loss of electrical power on a countries infrastructure and how amateur radio could provide support.

The role of the International Telecommunications Union in promoting emergency communications.

The structure of amateur radio emergency communications groups in India and Italy.

Three different methods of providing digital communications structures for emergency email and file transfer.

In an open session the conference also considered the problems of convincing both the amateur radio community and our regulators of the value of emergency communications activities. While solutions may not be easy to find, sharing the problems and allowing individual countries to recognise that they were not alone provides valuable support to the Global community.

A directed exercise was also held where the delegates were asked to work together as one team, providing emergency communications for a fictional country and event. This encouraged the delegates to consider what their ideal network and licence conditions would look like as well as enhance the inter-personal relationships between the delegates helping them to work together more efficiently in future. Certain themes began to emerge through the activities.

The importance of data modes and packet radio as part of the emergency communications toolbox. The importance of practising with different modes so skills are kept up to date. This should be frequently as the best system is one you already use. An increased awareness of the vulnerability of infrastructure to loss of power and utilities and the possibility that we may be asked to support other groups.

Every country has different disaster response needs reflecting their situation and there is no one way of working. But there are methods which we can adapt to our needs. We are all volunteers and are always learning and always seek to do the best for our communities within our means. There was increased understanding of the restrictions placed on Radio Amateurs in different countries in emergency response.

Good operating practice is key to efficient emergency communications. The production of IARU training material for emergency communications is encouraged. Local training is always required to meet local government needs.

The next GAREC will be held in Huntsville, USA in August 2014 and all groups and organisations involved in amateur Radio Emergency Communications are invited to attend to share their knowledge and learn from others.

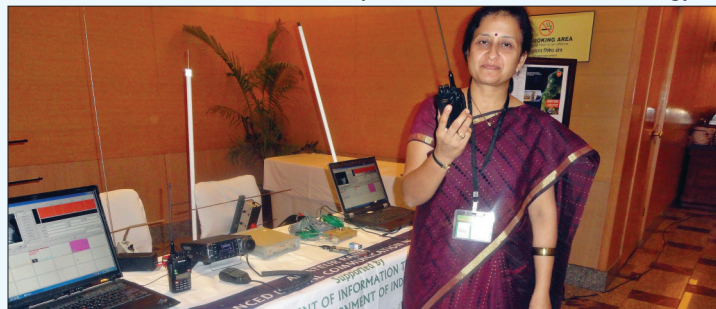
The venue for 2015 is currently planned to be Tampere, Finland.

The delegates wish to record their thanks and appreciation for the generous hospitality of USKA and our Swiss hosts for this successful conference.

The following members from NIAR attended the GAREC Conference 2013. Mr. S.Suri VU2MY, Ms. Rama Tripura Sundari VU2MYL, Ms. M.Bhanumathy VU2BL, Dr.Fazel Ur Rehman VU3GEH and Lion Ajoy VU2JHM. Later they along with Mr. D.N.Prasad VU2DBP and Ms.D.Bharathi Prasad VU2RBI attended Ham Radio 2013 held at Friedrichshafen in Germany.

Indian Antenna Week 2013

Workshop on Advanced Antenna Technology



IEEE AP-MTT Kolkata Chapter, in Association with Marthwada Institute of Technology, Aurangabad conducted the 4th Antenna Week at Welcomhotel Rama International, Aurangabad, Maharashtra on 3rd -7th June 2013. This joint venture was sponsored by IEEE Antennas and Propagation Society and IEEE Microwave Theory and Techniques Society.

IAW meet is planned every summer on a rotational basis as a week long Residential Workshop, arranged in a star category hotel or resort in various cities of India, which are tourist hubs too.

The 2013 event was organized in the historic city of Aurangabad. Rich with the heritage of the medieval past, Aurangabad is an Industrial city. Nestled in the heart of Kham river; it is the gateway to the world famous caves of Ajanta and Ellora, which are UNESCO World Heritage Sites, as well as Bibi Ka Maqbara.

The Antenna Week, supported by the top level Associations in Antennas & Propagation, provides, through its presentations, the ideal place for the exchange of scientific and technical information, both at academic and industrial levels, and fosters collaboration and cooperation in the Antenna & Propagation domain both at India and global levels. This event is the first of its kind in India where only the antenna researchers gather in a common forum.

Indian Antenna Week 2013 brought the industry together to evaluate new market opportunities, implement new technologies and discover future applications and technical developments.

High caliber speakers from the Antennas, Propagation and Measurements fields shared their views, ideas and visions with the conference visitors. About 100 high quality papers will analyze the impact and role of antennas and propagation technology in present and future applications.

Surely, IAW will provide a unique opportunity to network with peers, top-level professionals and potential business partners involved in technology solutions serving a variety of applications.

A wide choice of social events, including Technical Visits, site seeing were organized to complement the conference and to offer the best of the charming Aurangabad, to the conference delegates and the accompanying persons.

Upon request from the organisers, National Institute of Amateur Radio was represented at the event by Mr.S.Ram Mohan, VU2MYH and Mr.Mukesh Kumar Gola, VU2MCW. Several types of HF, VHF & UHF Antennas were displayed by NIAR. Mr.Ananda Bose, VU2AMB from Bose Telecom Kolkata spoke on Direction Finding antennas.

Glimpses of Mr. S. Ram Mohan's visit to DERA, USA



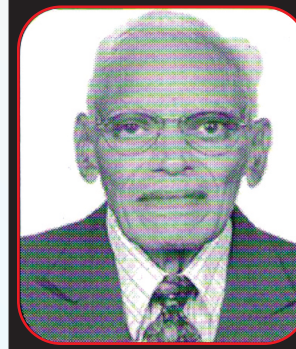
Mr. S. Suri speaking at GAREC 2013 at Zurich, Switzerland



Mr. S. Ram Mohan at FAIRS booth at Dayton Hamvention 2013, USA



Mr. S. Ram Mohan at Boulder Amateur Radio Club, USA meeting



Mr. Viswanatha Actutha Devarayulu, GC member NIAR expired on 19-06-2013. He was retired Chief Engineer, Doordarshan TV. Our Condolences to the bereaved family

News from Indian Institute of Hams Brindavan Contest



Indian Institute of Hams, VU2IIH, Bangalore conducted an HF Phone contest on 40 Meters called BRINDAVAN CONTEST on Sunday 2nd June 2013 in connection with Ham awareness program conducted by IIH at Mysore.

HAM AWARENESS PROGRAM @ NET APP: Lecture and live demonstration on HAM (Amateur Radio) was conducted at NetApp Inc. Fairwinds Block, EGL Software Park, Bangalore-560 071 on Thursday, 13th June between 3.30pm to 5.00 pm by Mr. S. Sathyapal VU2FI Director, INDIAN INSTITUTE OF HAMS. Thanks to Vishwa VU3JHU for organizing the awareness event at his office.

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NATIONAL INSTITUTE OF AMATEUR RADIO

6-3-1092/93, Raj Bhavan Road, Somajiguda, Hyderabad - 500 082. India

Email : niarindia@hotmail.com

URL: www.niar.org, Telefax: 040-23310287, Tel : 040 - 65167388.

Club Station: VU2NRO 14.160 Mhz, Echolink-Node: 133507.

Editorial board : Mr. Ram Mohan VU2MYH, Mr. Jose Jacob VU2JOS

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