

విపత్తులో ఆపన్న స్వరం హ్యామ్ రేడియో!

ఈనాడు, హైదరాబాద్: ఉత్తరాఖండ్.. కొండలలో నిండిన రాష్ట్రం. అక్కడ పలు ప్రాంతాల్లో సెల్ ఫోన్లకు సరిగా సిగ్నల్ కుండావు. శాటిలైట్ ఫోన్లు పని చేసేది అంతంత మాత్రమే. దీంతో చార్జిహౌస్ యాక్ట్రలో వరద బాధితులు.. వారిని రక్షించేందుకు వెళ్లిన సైన్యం సమాచార వ్యవస్థ పనిచేయక నానా ఇబ్బందులు పడుతున్నారు. వీరిని ఆదుకొనేందుకు ఆదిక పౌనఃపున్యం (ఫ్రీక్వెన్సీ) కలిగిన 'హ్యామ్ రేడియో' ప్రస్తుతం కీలకంగా మారింది. విపత్తుల సమయంలో వేగంగా సమాచారాన్ని అందించేందుకు కొందరు ఔత్సాహికులు వందేళ్ల కిందట ఈ వ్యవస్థను ఏర్పాటు చేశారు. ప్రస్తుతం ఈ వ్యవస్థను ప్రపంచ వ్యాప్తంగా 30 లక్షల మంది ఔత్సాహికులు వినియోగిస్తున్నట్లు అంచనా.

హైదరాబాద్ నుంచి ఇద్దరు ఔత్సాహిక హ్యామ్ ఆపరేటర్లు ఉత్తరాఖండ్ వెళ్లి అక్కడ సైనికులకు, వరద బాధితులకు సేవలు అందిస్తున్నారు. స్కౌట్స్ అండ్ గైడ్స్ బృందం ాయంతో అక్కడకు చేరిన సీనియర్ హ్యామ్ ఆపరేటర్ జోస్ జాకబ్, ముకేష్ కుమార్లు. అక్కడ తాత్కాలికంగా హ్యామ్



రేడియో స్టేషన్ ఏర్పాటు చేసి.. సైనికులు, బాధితుల అవసరాలకు సంబంధించిన సమాచారాన్ని బేస్ క్యాంపెలకు, ఇతర హ్యామ్ రేడియో స్టేషన్లకు చేరవేస్తున్నారు. ప్రస్తుతం వీరు బార్కట్ లోని బేస్ నుంచి సేవలు అందిస్తున్నట్లు నేషనల్ ఇన్స్టిట్యూట్ ఆఫ్ అమెచ్యూర్ రేడియో డైరెక్టర్ ఎన్.రామోహన్ ఈనాడుకు తెలిపారు. ఉత్తరాఖండ్ లో పరిస్థితి అత్యంత దారుణంగా ఉండటంతో హైదరాబాద్ కు

చెందిన మరికొందరు హ్యామ్ ఆపరేటర్లు అవసరమైతే అక్కడికి వెళ్లేందుకు సిద్ధంగా ఉన్నారు. ఈ సందర్భంగా వైతన్య అనే ఆపరేటర్ మాట్లాడుతూ.. "ఉత్తరాఖండ్ లోని హ్యామ్స్ ద్వారా గట్టంతైన వారి వివరాలు సేకరించి వాటిని సంబంధిత అధికారులకు అందజేస్తున్నాం." అని తెలిపారు.

కోల్ కతా శివారు సోదెహార్ కు చెందిన హ్యామ్ ఆపరేటర్ అంబర్ షీ నాగ్ బిశ్వాస్ ఆదివారం నుంచి తన ఇంట్లో ఒకే గదికి పరిమితమై ఉత్తరాఖండ్ లో ఉన్న హ్యామ్ ఆపరేటర్ల నుంచి కాల్స్ సందేశాలు, స్వీకరించి వాటిని డెప్రూడన్, మున్సిరీల్లో ఉన్న కంట్రోల్ రూంలకు చేరవేస్తున్నారు. ఇందుకోసం తాను పని చేస్తున్న మెట్రో డైరీకి వారు రోజులు సెలవు పెట్టారు. ఇతను గత మూడు రోజుల్లో 80 మంది నిస్సహాయుల నుంచి కాల్స్ సందేశాలు అందుకొని వారి సమాచారాన్ని సంబంధిత సైన్యం, ఇతర అధికారులకు చేరవేశారు. ఇతనికి హైదరాబాద్ నుంచి వెళ్లిన జోస్ జాకబ్, ముకేష్ కుమార్, ఉత్తరాఖండ్ లో ఉన్న ఇతర హ్యామ్ ఆపరేటర్లు సమాచారం చేరవేస్తున్నారు.



అంబికా

8 Garhwal Post Dehradun, 6 July, 2013

Scouts & Hams work for relief operation

By OUR STAFF REPORTER

DEHRADUN, 5 Jul: There are a large number of people missing after the massive flash flood, land slide and heavy rain in Uttarakhand. It has become difficult for people to get information about their kin. Despite state government efforts, Ham Radio operators have engaged themselves with the Bharat Scouts and Guides in the state's emergency relief operation.

On 5 July, a meeting was held between the Director of Secondary Education and State Chief Commissioner of BSG, CS, Govt, with Jose Jacob, Assistant Director of National Institute of Amateur Radio (NIAR), Bahubundi Mohan Kola, State Secretary of Bharat Scouts and Guides. During the meeting, deployment of Ham stations and Bharat Scouts and

Guides teams in the remote places was discussed to obtain information about victims of this natural calamity. Govt has directed Kola to deploy BSG teams with Ham stations in Pithoragarh and Chamoli to convey messages about victims and about the situation in these places. A team from West Bengal will be deployed in Pithoragarh, and another from Bangalore will be deployed in Chamoli. A BSG team with a Ham station is already working in Uttarakhand.

A control station has been set up in BSG State headquarters and it is being operated by Jose Jacob, Assistant Director of NIAR from 24 June. On that day, another station was established at Barkot in Uttarakhand which is operated by Mukesh Kumar Gola, VU2MCW and Onkar Bahuguna, VU3NUG. Amateur Stations from 10 different states have contacted with the control station in Dehradun. Some stations have contacted to get information about missing persons.

These Ham radio operators are highly trained to pass messages in all kinds of weather conditions across the country. Now it is expected that after deployment of these BSG teams, it will help the administration get information about the missing people faster.

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 URL: www.niar.org, Telefax: 040-23310287, Tel : 040 - 65167388.
 Club Station: VU2NRO 14.160 Mhz, Echolink-Node: 133507.

PRINTED MATTER

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

Printed and Published by the Editor on behalf of NIAR at Sri Vani Print & Pack, 7-1-282/C/44 & 55, Balkampet, Hyderabad-18. Ph : 040-3913 7551

Kolkata radio operator turns linkman for victims, relatives

Ravi Bhattacharya

Since Sunday, Ambarkish Nag Bhattacharya has locked himself up in a room in Sealdah, on the outskirts of Kolkata, taking phone calls and sending messages through his radio set to the Dehradun and Mussoorie control rooms.

Over the district magistrate's office is referring anxious relatives to him.

"I am relaying the messages with the names of missing persons to our radio operator stationed in Dehradun and Mussoorie. They are forwarding the messages to the army and authorities", said Bhattacharya, who had been a licensed am-



Since June 16, Ambarkish Nag Bhattacharya has locked himself up in his Kolkata home, taking phone calls and sending messages.

Scouts install Ham radios

One set has been established at the State Headquarters on Rajpur Road, here, and another movable one in Barkot. Another 3 VHF sets have been elsewhere. It is being operated here by Jose, while Mukesh is doing so in Barkot. Those with Ham licenses can make contact with other operators in all parts of the world.

These sets will be used by Scouts and Guides when they visit remote villages for various purposes.

बड़कोट में भी लगाया अमेचर रेडियो स्टेशन

बड़कोट। सूबे में अमेचर रेडियो के दो स्टेशन स्थापित किए गए। इनमें से एक उत्तरकाशी जिले के बड़कोट में बनाया गया है। आपदा की सूचनाओं के आदान-प्रदान के साथ ही जिला और पुलिस प्रशासन को भी यह स्टेशन सहयोग देगी।

भारत स्काउट एवं गाइड के तहत उत्तराखंड में दो स्थानों पर नेशनल इंस्टीट्यूट आफ अमेचर रेडियो हैदराबाद के सहयोग से स्टेशन स्थापित किए गए। स्टेशन के माध्यम से आपदा प्रभावितों की समस्या और जानकारी लेकर भारत स्काउट गाइड देहरादून स्थित राज्य मुख्यालय और एनआईआर को भेजी जा रही है।

इस कार्य में सहयोग के लिए हैदराबाद से आए समन्वयक मुकेश कुमार गोला और जोश जैकब ने बताया कि बड़कोट के न्यू होली लाइफ पब्लिक स्कूल में एक स्टेशन चलाया जा रहा है। यहाँ आँकड़ बहुराणा को आपदा की सूचनाओं के आदान-प्रदान का जिम्मा सौंपा गया है।



Ham News



Vol 25, Issue: 2

India's leading journal on Amateur Radio

July - Aug 2013

NIAR provide emergency communications for Uttarakhand floods 2013



Uttarakhand state located in the Himalayan region of North India popular for it many Hindu pilgrim temples, received 385 mm of rains during June 1-18, 2013 which was in excess of 440 per cent than normal. It was peak pilgrim season then. The heavy monsoon which reached the area earlier than usual caught the local people and pilgrims unawares. The most affected Districts were Rudra Prayag, Uttarkashi, Chamoli and Pithoragarh. The worst affected was Kedarnath area where a famous temple is situated. The scale and magnitude of the extreme event was such that over 6,000 people are feared to have been killed and many thousands more reported missing in the devastating floods, cloudbursts and landslides. The communication system in the area broke down or was overloaded. The disaster was of unprecedented magnitude and the media started calling it as the Himalayan Tsunami. The state government immediately initiated rescue and relief operations, and several central ministries and agencies were mobilised to mount these efforts. 1.1 lakh people were evacuated from the affected areas to safe places by Helicopters by Indian Air Force, Army, Indo Tibetan Border Police Force etc. notwithstanding widespread destruction of roads, difficult terrain and extremely hostile weather. Essential supplies like food, drinking water, medicine, kerosene and blankets were being continuously provided by airdropping and by land routes. Unfortunately 22 rescue persons were killed in 2 helicopter crashes during rescue operations. Members of NIAR were keenly monitoring the situation at Hyderabad as soon as news of the disaster started coming in. When the gravity of the situation was known Mr.S.Suri, VU2MY, Chairman, NIAR who incidentally had visited the affected areas just a fortnight before the calamity, issued orders for Emergency communications by NIAR.



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NIAR was in touch with Bharat Scouts & Guides, Uttarakhand State and 2 members from NIAR, Jose Jacob, VU2JOS and Mukesh Kumar Gola, VU2MCW reached Dehradun the capital of the state by flight with necessary Amateur Radio equipment. Jet Airways was nice enough to waive the extra luggage charges for the heavy equipment carried by them. Due to bad rainy weather, the flight did not land immediately at the air port but kept on circling the airport and at last landed about 45 minutes later. Though some other Amateur Radio operators from different parts of India were planning for emergency operations, ultimately only teams from NIAR operated from the affected areas. A Ham Radio Control room was set up at the State HQ of Bharat Scouts & Guides, Dehradun and Jose Jacob, VU2JOS maintained the station along with Mukesh Bharti, VU3CFN who was a local scout trained earlier by NIAR. Mukesh, VU2MCW moved to Barkot in the affected Uttarkashi District by road in an ambulance and put up a station at a school there. He was assisted by Onkar Bahuguna VU3NUG another local scout who was also trained by NIAR earlier.



Due to intermittent power supply, they also used car batteries. VHF communication was used for local communication while HF was used for contacting long distances and served as a back up for communications in the area. Soon, other 5 more hams joined from Indian Institute of Hams (IIH) Bengaluru and Indian Wave of Amateur Radio (IWAR) Kolkata. Girish Doss, VU3GDS and Rahul Ravi Shankar VU3HBT of IIH moved to the affected Chamoli District while Vishwas Krishna Prasad, VU3HVD of IWAR operated from Barkot, Uttarkashi Dist. Tanumay Chakraborty, VU3SQY and Chandan Ghosh VU3CGT from IWAR operated from the affected Pithoragarh Dist. All hams had to sacrifice a lot for the success of the operation. The weather was especially hostile with lot of heavy downpour often. Messages regarding lot of missing persons were received at the Ham Radio control room from other Hams in Kolkata, Rajkot, New Delhi, Kerala etc. which was passed on to the concerned agencies at the Govt. Secretariat located just opposite the Ham Radio control room. Stations from 16 states contacted the Ham Radio Control room some passing



enquires, others relaying the messages or exchanging weather and signal reports. We used the following frequencies 7.073, 14.160 & 145.000 MHz. The stations were operated from dawn to dusk. Stations from different parts of India (listed separately) were on stand by and relayed messages. The Ham Radio Control Room at Dehradun was visited by the local hams viz Bhagwati Prasad Semwal, VU3BPZ (who used to operate from Antarctica earlier) and Ms.Abha Sandlas, VU3NET. Rajesh VU2ESH from who put up a station at Tamilnadu House, New Delhi for emergency communications also visited the Ham Radio Control Room, Dehradun along with officials from Tamilnadu Govt. Several other officials from the govt. also visited the ham stations and appreciated the work done by them. Uttarakhand is prone to disasters and hence NIAR had already set up Amateur Radio Centres (with equipment and training) at the following 4 places in the state under various Govt. of India projects implemented by NIAR in the recent past.

1. Lal Bahadur Shastri National Academy of Admn, Mussorie, VU3LBS, 2. Doon School, Dehradun, VU2CHC, 3. Kendriya Vidyalaya. ONGC HQ, Dehradun,VU2ONC, 4. Disaster

National Institute of Amateur Radio Uttarakhand Flood Relief operations

Frequencies:

North India	7.073 MHz LSB
All India (Except North India)	14.160 MHz USB
Local	145.000 MHz FM

Stations:	
Dehradun Control Room: State HQ, Bharat Scouts & Guides	Jose Jacob, VU2JOS
	Mukesh Bharti, VU3CFN
	Bhagwati Prasad Semwal, VU3BPZ
Barkot, Uttar Kashi	Mukesh Kumar Gola, VU2MCW Onkar Bahuguna, VU3NUG Vishwas Krishna Murthy, VU3HVD
Chamoli	Girish Doss, VU3GDS Rahul Ravi Shankar, VU3HBT
Pithoragarh	Tanumay Chakraborty, VU3SQY Chandan Ghosh, VU3CGT

Relay Stations:	
Hyderabad	NIAR HQ, VU2NRO
	Ram Mohan, VU2MYH
	Lissy , VU3LMS
	Mujeeb, VU3MHI
	P.Kumar Chaitanya, VU3GLU
	Tom , VU3TMO
Thrissur, Kerala	Sarachandran, VU2SCV
Kolkata	Ambarish Nag Biswas, VU2JFA Sankar Mallik, VU2LNA
Vadodara	Anand Piraji Patil, VU2WWX

GETTING 'HANDS ON' IN SPACE



RAM MOHAN SURI, DIRECTOR OF NATIONAL INSTITUTE OF AMATEUR RADIO, HYDERABAD, CONDUCTED AN EXTENSIVE SESSION ON BASICS OF AMATEUR RADIO WITH DEMONSTRATION OF RADIOS IN PRACTICAL SITUATIONS SUCH AS DISASTER MANAGEMENT.



PROF LOGANATHAN, A FORMER SPO SCIENTIST AND CURRENT PROJECT DIRECTOR OF ISIRIAT AND STUDENT, SHARED HIS EXPERIENCES OF BUILDING SMALL SATELLITE HARDWARE WHICH WAS SHOWCASED DURING THE SESSION.

VU2NG, Silent Key

N. G. Nanda, VU2NG, the son of former Prime Minister of India, Gulzarilal Nanda, passed away on Wednesday, July 24, 2013 morning at Gandhinagar, Gujarat. The last rights were held 26th July 2013 morning at Gandhinagar. He was licensed 53 years back on 15 March 1960 with licence no. as 189 and his licence is renewed till 31 Dec 2031. He was President of HAL Amateur Radio Society, VU2HAL while he was working as Chief Design Engineer at Hindustan Aeronautics Ltd, Hyderabad. He was mentor to Mr.S.Suri, VU2MY, Founder, NIAR. Mr.Suri attended his last rites at Gandhinagar along with another colleague Our condolences to the bereaved family.

Mitigation & Management Centre (DMMC), Gov.t of Uttarakhand, Secretariat, Dehradun.The latest Amateur Radio activity from Uttarkhand received lot of media attention and was widely reported in print, TV, radio, Internet. We specially thank the officials of Bharat Scouts & Guides, Uttarakhand State viz. Ravindra Mohan Kala (State Secretary), Narendra Saha. (State Organising Commissioner), Rajeev Sharma (State HQ Commissioner) for taking care of the team and for all the logistical supports. We are thankful to Mr.S.Ram Mohan, VU2MYH Director, NIAR and Ms.D.Bharathi Prasad, VU2RBI, Chief Coordinator, NIAR for coordinating the program, Govt. of Uttarakhand, Govt.of India, IIH, IWAR, DMMC, WPC for immediately issuing change of location, print & electronic media, our relay stations and all radio amateurs for supporting the event. NIAR has promptly acted on the theme for World Amateur Radio Day 2013 which is "Amateur Radio: entering its second century of disaster communications".. Indeed, the region will long remember the heroic commitment and courage displayed by armed forces and police forces, as also a large number civilian and govt. officials, residents, tourists, NGOs and Radio Amateurs who pitched in the effort.

Special callsign ATBSG13

ATBSG13 is the special callsign issued for the 9th Asia Pacific Regional / Internet Jamboree 2013 to be held on 3 & 4 August 2013.

VU2RBI, VU2TCU, VU3KRT & VU3OWL operated this station from Bharat Scouts & Guides HQ, New Delhi. The Air-Internet Jamboree is a regional event established in 2004 in which Scouts & Guides contact each other by means of Amateur Radio and through the Internet. Having a live conversation with a fellow Scouts & Guides in some other place in the world gives the same excitement like having a normal Jamboree on the land. Just like the normal Jamboree, the Air-Internet Jamboree is also an event during which Scouting & Guiding experiences are exchanged and ideas are shared. It's great and unique opportunity for Scouts & Guides of all age ranges to communicate with each other as if they are nearby when in actual fact they are all in their own countries. Indeed, Radio Scouting & Guiding eliminates the distances and fosters a closer relationship of the worldwide Scouting & Guiding movement. More info is in: <http://www.bsgindia.org/>

Satellite Workshop at IIT, Kancheepuram

Small Satellite Developer Workshop 2013 was organized by Dhruva Space, a Bangalore based Small Satellite and High Altitude Ballooning Start-up, in association with National Institute of Amateur Radio, Hyderabad. The workshop was hosted at the campus of the Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, between 8-13 July,



2013. There were 25 participants with varied backgrounds but with a common interest in Small Satellite Technology.

The workshop was conducted to provide a basic understanding of Small Satellite development and usage of ballooning for commercial applications. The lecture sessions was combined with hands-on hardware development sessions. The participants fabricated and tested a Software Defined Receiver in the presence of research engineers from the industry giving them a practical exposure. Sessions by Small Satellite experts with engineering models on display helped participants to grasp the challenges in designing and developing the subsystems of the small satellites. To understand space based applications Amateur Radio workshop was conducted to give participants a live example of usage of communications during disaster management. The addressing of satellite experts and small satellite companies across the globe provided a holistic purview of the current technological situation which was in-turn used during the team design project.

Awareness Programs



Over 75 students and staff of Glendale Academy, Hyderabad visited NIAR on 20 July 2013 to learn more about Ham radio. A Demo and awareness program on Amateur Radio was conducted for them along with a visit to the Radio Museum located in NIAR campus. Mr.S Ram Mohan VU2MYH and Mr.Jose Jacob VU2JOS

conducted the program with the support of other NIAR staff.

Mr.S. Ram Mohan, VU2MYH delivered a lecture on Ham Radio at at East West Institute of Technology(EWIT), Bengaluru during a program of FDP-VTU (faculty development program at Visweswarayya Technological University held from 19 to 22 August 2013, sponsored by government of Karnataka, EWIT Bengaluru and Dhruva Space, Demo and awareness program on amateur radio for students of Aga Khan Academy Hyderabad was conducted at NIAR on 27 August 2013. The program was basically on the use of media and its influence on the decisions of people. 27 students accompanied by two teachers participated in the program. Mr. Jose Jacob, VU2JOS organized the program with the support of other NIAR staff



Amateur Radio Examination

ASOL examination was conducted on 29 August 2013 at NIAR campus. Candidates trained by NIAR attended the examination.

মহানগর

সংবাদ প্রতিদিন, সোমবার ১ জুলাই ২০১৩

উত্তরাখণ্ডে নিখোঁজদের সন্ধানে হ্যাম

নিজস্ব সংবাদদাতা, বারাকপুর : উত্তরাখণ্ডে নিখোঁজ যাত্রীদের খোঁজ-খবর নিতে তৎপর হল সোদপুত্রের হ্যাম রেডিও (শব্দের বেতার কেন্দ্র)। ইতিমধ্যে উত্তরাখণ্ডে আটকে পড়া ২০০ জনের পরিবারের কাছে তাদের খবর পৌঁছে দিয়েছে সোদপুত্রের হ্যাম রেডিও। ভারত সরকারের নির্দেশে কাজ শুরু করেছে ন্যাশনাল ইনস্টিটিউট অব অ্যামেচার রেডিও। এদেরই শাখা সোদপুত্রের হ্যাম রেডিওর তরফে খোঁজ চালাচ্ছে অম্বরীশ নাগবিখান। মুসৌরিতে অ্যামেচার রেডিওর বর্ষ জঙ্কর ও দেবানুদের রামমোহন সুরি বেতার মারফত অম্বরীশের সঙ্গে যোগাযোগ রাখছেন। কলকাতা, হাওড়া, খড়দহের বহু বাসিন্দার খোঁজ নিলেছে সংযোগিতার হাত বাড়িয়ে দিয়েছে স্বাউট অ্যান্ড গাইড, জানান

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NEWZ

সংবাদিকতার ভিন্ন প্রজন্ম

সোমবার ১ জুলাই ২০১৩

হ্যাম রেডিওর মাধ্যমে উত্তরাখণ্ডের দুর্গতদের খোঁজ দিচ্ছেন অম্বরীনাথ

নিখোঁজ যাত্রা, ভারতের উত্তরাখণ্ডে অম্বরীশ নাগবিখান হ্যাম রেডিওর মাধ্যমে উত্তরাখণ্ডে নিখোঁজ যাত্রীদের খোঁজ-খবর নিতে তৎপর হল সোদপুত্রের হ্যাম রেডিও (শব্দের বেতার কেন্দ্র)। ইতিমধ্যে উত্তরাখণ্ডে আটকে পড়া ২০০ জনের পরিবারের কাছে তাদের খবর পৌঁছে দিয়েছে সোদপুত্রের হ্যাম রেডিও। ভারত সরকারের নির্দেশে কাজ শুরু করেছে ন্যাশনাল ইনস্টিটিউট অব অ্যামেচার রেডিও। এদেরই শাখা সোদপুত্রের হ্যাম রেডিওর তরফে খোঁজ চালাচ্ছে অম্বরীশ নাগবিখান। মুসৌরিতে অ্যামেচার রেডিওর বর্ষ জঙ্কর ও দেবানুদের রামমোহন সুরি বেতার মারফত অম্বরীশের সঙ্গে যোগাযোগ রাখছেন। কলকাতা, হাওড়া, খড়দহের বহু বাসিন্দার খোঁজ নিলেছে সংযোগিতার হাত বাড়িয়ে দিয়েছে স্বাউট অ্যান্ড গাইড, জানান

Hams from city aiding U'khand rescue efforts

TIMES NEWS NETWORK

Hyderabad: VU2JOS is on the job. And so is VU2MCW. Two hams, amateur radio operators, are volunteering in the rescue operations in Uttarakhand. The National Institute of Amateur Radio (Niar) in the city has jumped into action to assist the administration in establishing contact at places which are difficult to access.

Jose Jacob, with call sign VU2JOS and Mukesh Kumar Gola, with call sign VU2MCW, reached the disaster-hit Uttarakhand a couple of days ago. They are volunteering along with the Bharat Scouts and Guides in the rescue measures. "Some places cannot be reached with the available communication facilities. That is when a ham's services are needed the most to convey information," said S Ram Mohan, director of Niar.

Operating from the base station at Dehradun, Jose Jacob told TOI over phone that hams from all over the country were in touch with him seeking information about their family, friends or relatives. He said checking from the database that was created by the administration, information was be-



ing given out to hams. "We are getting more requests from hams from Kolkata and Rajkot," he said. Jacob, who has been a ham for over 33 years, rendered help in the tsunami-hit areas and also during the super cyclone in Odisha.

Another base station of the hams has been set up at Barkot town in Uttarkashi district from where VU2MCW Mukesh Kumar Gola is operating. Another 10 hams are also on standby to be rushed to Uttarakhand if needed.

Officials are making use of satellite phones and mobile phones to coordinate the rescue operations but they are said to be falling short of sat phones. Mobile phones are also not reachable at some places because of the hilly terrain. The only way of passing out information could be through the services of ham radio.

6। दैनिक जागरण देहरादून, 6 जुलाई 2013

आपदा पीड़ितों की मदद की

देहरादून: स्काउट एवं गाइड्स के दल आपदा प्रभावित क्षेत्र में प्रभावितों के लिए राहत कार्य कर रहे हैं। स्काउट एवं गाइड्स के प्रादेशिक मुख्यायुक्त सीएस ग्वाल ने बताया कि पिथौरागढ़ व हेमकुंड साहिब में हाइक शिविर को आपदा के बाद सेवा शिविर में बदला गया। रोवर जीवन के नेतृत्व में एक दल धारचूला भेजा गया। स्काउट एवं गाइड्स के राष्ट्रीय निदेशक से वार्ता कर एक हाई फ्रिक्वेंसी वायरलेस सेट देहरादून व एक बड़कोट में स्थापित किया गया। स्काउटर हरपाल सिंह व नरेंद्र रावत के नेतृत्व में रोवर्स ने राहत सामग्री बांटी गई।

Ham Radio An Essential In(Ter)Vention

August 5, 2013, 01.07 PM IST

Ham radios are not mere communication tools, but saviours too, when a disaster strikes. The National institute of Amateur Radio, NIAR, at Somajiguda, Hyderabad sent its expert hams (those who can operate the ham radio) to Uttarakhand for relief operations

L Sailaja Kumar

Director NIAR, Rammohan Suri briefed Hans India about the ground realities, operational hazards and the potential of ham radios. Amidst the havoc that floods wreaked the ray of hope that ham radio sprang during the whole operation was commended by one and all.

Armed with the necessary components apart from the Ham unit (including power backups), four 'hams'(from here)—as the ham operators are called, set on a tedious sojourn to set up the Control Room at Dehradun, Scouts and Guides Headquarters , to save thousands stranded in the recent Uttarakhand floods. One of their ham experts, Jose set up the control room at Dehradun, Scouts and Guides Headquarters and was in-charge of the same. He recalls the harrowing damage, gruesome ground realities and need for help. He says several teams, including voluntary organizations, were already there, trying to reach out help, by the time they reached. He says it's only during disasters like these do we know that humanity is still alive.

Ram Mohan explains ham radio...

What was NIAR's role in the recent Uttarakhand disaster?

Addressing the outburst of initial anxiety, helping people to stay in touch and keeping the communication continuously on, were the tasks of ham radio. We had a deluge of mails and messages from anxious relatives of those stranded in the area. Though the ham radio relays the message to the appointed government stations, we still received calls, mails and messages through out that period. A team of two hams with necessary HF and VHF communication stations was deployed to Uttarakhand Scouts and Guides organisation whose members were already working alongside other agencies providing rescue and relief activities in the state.

What is Amatuer radio?

Amateur Radio is a people's forum, a form of two-way communication that puts hundreds and thousands of people all over the world in contact with each other every day. Amateur Service means a service of Self training, These Amateur Radio operators construct or possess, maintain and operate their wireless stations (i.e. Transmitter, Receiver, Antenna etc.,). Amateur Radio is often called as 'HAM Radio' and Amateur Radio operators are called as 'Hams'. It is usually practiced as a hobby all over the world. There is some cost involved even to promote and develop hobby communication like Amateur Radio worldwide. Any citizen above the age of 12 years in India can obtain an Amateur Station Operator license from Government of India.

How did ham radio work?

The Ham network used High Frequency communication Stations for regional communication for relay of messages with in the affected region and Long distance communication for relay of health and welfare traffic, enquiry of missing and stranded persons at different locations. The local communications within the affected area was made using the Very High Frequency sets (Walkie-Talkies). Each station setup had communication capabilities for Local to long distance communications.

In terms of arrangements from your end can you list out the perquisites for a calamity like this?

An organised and efficient Amateur Radio (Ham radio) network is very essential to meet the communication needs for disaster management. Amateur Radio service is a dispersed and decentralized communications system manned by individuals and institutions that can't be easily shut down by disasters including terrorist attack. Also these are not likely targets of terrorists or agencies that involve in violence against governments & their systems. While public safety agencies rely on central dispatch stations, amateur radio operators can go on the air just about anywhere anytime. Hams are trained communicators with technical knowledge that prepares them to put their stations on the air at remote sites quickly, creating makeshift facilities whenever wherever needed. Amateur radio operators don't have to wait for technicians to arrive to repair equipment or re-program computers, Hams can do it themselves. During non-emergencies, Amateur Radio Operators can provide communications for events such as fairs, festivals, sports and community events. Hams are also among the best ambassadors of good will communicating with over 3 million people world-wide and improve their skills.

Source: <http://www.thehansindia.com/2013/08/05/ham-radio-an-essential-intervention/>

Uttarakhand

THE TRIBUNE, CHANDIGARH, SATURDAY, JULY 6, 2013

Relief work: Ham Radio, Scouts and Guides join hands

TRIBUNE NEWS SERVICE

DEHRADUN, JULY 5 Against the backdrop of a large number of persons missing in the state, Ham Radio operators have engaged themselves with the Bharat Scouts and Guides in emergency relief operations.

A meeting was held today between the Director of Secondary Education of Uttarakhand and the State Chief Commissioner of the Bharat Scouts and Guides BSG, C S Gwal with Jose Jacob, Assistant Director of National Institute of Amateur Radio (NIAR), Rabindra Mohan Kala, State Secretary of the Bharat Scouts (BSG) and Guides. During the meeting it was discussed regarding deployment of Ham stations along with the Bharat Scouts and Guides team in the remote places where it is unable to access and to get information about the victims. It is getting difficult for the public to get information about their kith and kin.

It was also revealed that a team of Ham operators from West Bengal will shortly be deployed in Pithoragarh, and another team from Bha-



A Bharat Scout and Guides volunteer manages a Ham Radio in Dehradun on Friday. A Tribune photograph

lore will be deployed in Chamoli. A BSG team with a Ham station is already working in Uttarkashi.

A control station has been set up in BSG state headquarters in Dehradun and it is being operated by Jose Jacob, Assistant Director of NIAR since June 24. On that day, another station was established at Barkot in Uttarkashi which is being operated by Mukesh Kumar Gola and Onkar

16 different states have contacted with the control station in Dehradun. Some stations have contacted to get information about the missing persons.

These Ham radio operators are highly trained to pass messages in all weather conditions across the country. Now it is expected that after deployment of these experts and BSG teams will help the administration to get information about the missing persons in a speedy manner.

Helping hand from Thrissur HAM

DC | 28th Jun 2013



Sarathchandran P.S., working at his HAM station —DC

Thrissur: 'VU2SCV' - a HAM station at Anthikkad in Thrissur has emerged to be a ray of hope for the families of those stuck in Utharakhand, where no phone lines are working, to send messages to people trapped in the disaster ravaged area.

For last few days, Sarathchandran PS, operating his 'VU2SCV' HAM radio set is taking numerous phone calls and sending messages through airwaves to control rooms in Dehradun and Mussoorie and Utharakashi, where a temporary ham stations were setup by another Karalaiet, Jose Jacob, assistant director, National Institute of Armature Radio.

Over the past three days Sarathchandran has taken calls from families few missing persons. "None of the Keralaiets contacted me, as they may not be aware of this facility. But I have messages and phone calls from metros like Bangalore and Mumbai, says Sarath. "Frantic phone calls are coming in from helpless people, who have no clue about the whereabouts of their loved ones in Uttarakhand."

Sarathchandran has been a licensed amateur radio operator since 1994 and is a member of National Institute of armature radio club, Hyderabad. He worked with his HAM during the tsunami disaster as well. People can call Sarathchandran on 91 9633863676 this number on any query on missing persons in Utharakhand.

Jose Jacob, who is stationed in various parts of Uttarakhand as per the request by government of India, said this news paper over his HAM that he is relaying messages from Various parts of the country to rescuers on the ground, who are trying to locate the missing. "I am receiving messages with the names of missing persons to our HAM radio and forwarding the messages to the army and authorities in Uttarakhand for search and rescue operations" says Jose. Hailing from Muthakunnam in Ernakulam Jose Jacob is now working as the assistant director of National Institute of Armature Radio, Hyderabad. He was worked in Andaman during the tsunami disaster and also served during Gujarat earth quake and Orissa super cyclone.

Three Ham Heroes do State proud HAM workshop at Mysore

Two day Ham workshop was conducted at Mysore By Indian institute of HAMS. Work shop was conducted by Shankar Sathyapal and Mr. Marcus. About 50 aspirants were present.

MYSORE, July 28, 2013

The Hindu HAM HEROES... Rahul Ravishankar (right), Vishwas Krishnamurthy and Girish Doss were felicitated for their efforts in Uttarkhand relief operations, by the Indian Institute of HAMS in Mysore on Saturday. Mr.S.Sathyapal (left), Director, IIH and R.J.Marcus, Director- Training, IIH, are also present. Photo: M.A. Sriram



If you thought Ham radio was about setting up and tuning complicated electronic gadgets and communicating to strangers over radio waves using esoteric codes for private recreation, then think again. Notwithstanding the advances in technology enabling instant communication and penetration of mobile devices across the globe, Ham radios are still the preferred mode of communication during natural disasters and motorsport rallies. During the recent Uttarakhand floods, three Hams from the State were instrumental in establishing communication with the local district administration in the Himalayan terrains to enable better coordination for civilian relief. Meet VU3GDS, VU3HVD and VU3HBT. These are the mandatory call signs with which Girish Doss, Vishwas and Rahul identify themselves while signing in. (Each Ham is allocated with a unique call sign for identification and communication on acquiring the Ham licence.) The three - called Ham Heroes - for their contribution to Uttarakhand relief operations were felicitated by the Indian Institute of Hams at a workshop held here on Saturday.

All three from Bangalore were among the first Hams to reach Uttarakhand and establish a communication link from remote areas. Communicating to the master control centre established at Dehra Dun, they relayed messages to the local district administration which took appropriate measures to reach out to the stranded. "On establishing communication network, we would relay the message to the master controls at Dehra Dun and the message in turn would be passed on to the district administration. The volunteers of Bharat Scouts and Guides would then reach out to the stranded persons in remote places," according to Mr. Rahul, who is a structural engineer and has his own consultancy firm. The Army and the Air Force was already operating and airlifting pilgrims in a major relief and rescue operations and nobody had access to these places. But there were other places where the local community needed help and amateur radio was almost the first in line of communication for them. Girish Doss, a software engineer, obtained his Ham radio licence when he was only 12 years and worked during Gujarat earthquake, December 2004 Tsunami and now the 2013 Uttarakhand floods. Mr. Vishwas too is a software professional. S. Sathyapal, Director, IIH, said though there were nearly 3,000 Hams in Bangalore alone, it was difficult to get volunteers during disasters. For details on how to become a Ham, call IIH on 080 2664501 or 9448302677 or write to ham738@gmail.com

<http://www.thehindu.com/news/cities/bangalore/three-ham-heroes-do-state-proud/article4963670.ece>

HAM calling in the city of palaces

Mysore, July 16, 2013, DHNS:

Indian Institute of Hams plan

weekend classes on July 27 and 28



"Hello VU2FI in...alpha... bravo..."



This is the call sign used for communication on HAM radio. And, if you want to be a part of the network, the opportunity has come calling at your city.

Rise in catastrophe in the nation has forced Indian Institute of HAMS to focus on tier-II cities to expand the network of volunteers. For the first time, Mysore will be hosting a two-day weekend workshop for the interested youth from July 27 at the Institution of Engineers, JLB road in the city. The workshop will mainly focus on teaching the technicalities and allied matters in making HAM.

Coordinator of Mysore branch of the office of the Indian Institute of HAMS, Bangalore, P Prakash told Deccan Herald that till April this year when workshops were hosted in Bangalore, enthusiasts from across the State, including Mysore, had to travel till the State capital to attend the course (workshop). Now that the course is being conducted in the city, it is hoped to bring in more people into the network. Already 50 to 60 people have evinced interest, he said.

The only requirement to be a HAM is fluency in English. Barring these two prerequisites, there are no other restrictions in enrolling for the course.

The course will comprise six to eight hour classes, including an introduction by the director of the institute S Sathyapal. Prakash said that veteran operator Marcus will conduct classes on electronics. The other classes include rules and regulations pertaining to Indian Telegraph Act and operation and procedure of HAM. Exams will be conducted after a gap of two months, mostly in the month of September, according to tri-monthly charter.

Once the exams are cleared, it will take eight months to fulfil the related procedure to obtain the licence. Setting up of a HAM radio station is also economically viable, as it requires only about Rs 30,000 to Rs 40,000. A hand held instrument costs Rs 1,000. Licence fee too is affordable (Rs 1,000 for 20 years and Rs 20,000 for life time - 80 years). If the HAM operator wills to be in the loop, the licence will be extended for another five years once the life time membership terminates. There are 16,000 HAM operators in the country, with a majority of them the State, especially Bangalore. The State capital has 5,000 HAM operators, making it the 'HAM Capital of India'. There are around 60 operators belonging to Mysore. However with a majority of them having set up base elsewhere, there are only 10 active HAM operators remaining in the city.

The course fee for students is Rs 1,200 and for others Rs 1,500. Classes will be conducted from 9.30 am to 5.30 pm. There is no limit on enrolments. Contact 9880807667, 9845752355. Mail ham7388@gmail.com.