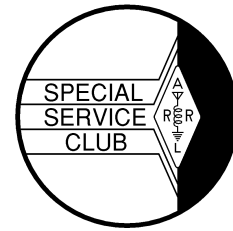




SIGNAL



de N1NC

June 2001 Volume 10 Number 6

This Month's Meeting

Bring your short Shows-and-Tell to the meetings. They are always welcome. Its always interesting to see the variety of things people are working on.

We gather at Tiny's for breakfast Saturday mornings at 8:00 AM. We sit in the back dining area.

Last Month's Meeting



Last months meeting was held at the Pepperell Library due to the Library book sale that was being held at the Community Center. Gordon LaPoint N1MGO gave the presentation on PSK31. He demonstrated (see above) and discussed several of the pieces of software available to use PSK31. Much of the software is freeware though some is now built into logging software packages. Using two laptops with the built in sound cards and microphones and two projectors he demonstrated PSK31 communications using only the audio that

would normally be fed to/from a transceiver. With the dual projectors you could see what was being sent and what was being received at the same time. PSK is currently used primarily on HF but can also be used on other frequencies such as two meters. PSK31 software is downloadable from the Web; see <http://aintel.bi.chu.es/psk31.html>. Among the packages Gordon demonstrated were WinPsk <http://www.qsl.net/ae4jy/winpsk.htm> and digipan <http://members.home.com/hteller/digipan/>.

FoxFinder Kit

The article on the Fox-Finder in the April QST is still generating business for the club produced kit. Over one hundred kits and boards have been ordered so far. In the map below the States in dark gray are where we have shipped FoxFinders or Foxfinder boards. There are not many missing as you can see.



Since the only time you usually hear from a customer is when there is a problem it is encouraging that a number of them have complimented us on the article and the quality of the kit. We have also received several second orders from people. One commented that

he after using the FoxFinder at a local hunt had been "commissioned" to build a kit for someone else.

Hurricane Season Officially Starts

June 1st marks the start of the 2001 Atlantic hurricane season. The Atlantic hurricane season runs from June 1st through November 30th.

The names for the 2001 season are, Allison, Barry, Chantal, Dean, Erin, Felix, Gabrielle, Humberto, Iris, Jerry, Karen, Lorenzo, Michelle, Noel, Olga, Pablo, Rebekah, Sebastien, Tanya, Van, Wendy.

Adopt A Highway

Sunday April 22, 2001 was our first road cleanup of 2001. It was a great day for a Sunday morning stroll. The first cleanup is always the most work but we finished in an hour give or take a few minutes thanks to the good turn out.

The following members pitched in for the cleanup.

Bob W1XP, Craig N1ABY, Ben KB1FJ, Erik KA1RV, Erik W1ZBT, Pat N1VAW, Dwight AA1MT, Rod WA1TAC, Ralph KD1SM, and Stan KD1LE.

On May 20th we completed our second cleanup and had another great turnout. The weather was sunny and warm and great for a morning walk. The cleanup was completed in an hour and we collected 20 bags of debris.

Thanks to Don N1HVA, Pat N1VAW, Dave N1MNX, Larry KB1ESR, Herm WW1HR, Ralph KD1SM, Jim AA1PO, Dwight AA1MT, Stan KD1LE, and Scott WX1J.

The next cleanup will be the Sunday after the June meeting.

Board of Directors Meeting

The May Board of Directors meeting took place May 10th at Erik's. The following were in attendance. Erik KA1RV, Den KD2S, Bob W1XP Ralph KD1SM, and Earl WR1Y.

There was discussion about meeting programs. Earl would like members to give presentations about their interests or areas of expertise.

Proposed Constitution and Bylaw Changes

After reviewing the Constitution and Bylaws a few problems have been noted particularly with regard to meeting quorums. There are also some suggestions for improvements. The following are proposed changes that I will bring to the June meeting for discussion and will ask for the Board to call for a vote at the June meeting. I have included some explanation with each proposal. Stan

1) There are references to monthly meetings but when they are held is not defined and the summer July and August break is not mentioned.

Bylaws Section 2, first sentence, change "shall be held on a regular basis" to "shall be held monthly except July and August."

2) Amateur Radio Emergency Service (ARES) is the correct name therefore change "Corps" to "Service" in Constitution Article III Section 2 fourth sentence "Amateur Radio Emergency Corps." to "Amateur Radio Emergency Service."

3) Proposed new Article VIII to assure that the assets we have worked for are not misappropriated should the club no longer exist add to Constitution Article VIII.

"Article VIII Dissolution

The Nashoba Valley Amateur Radio Club will be dissolved if any of the following conditions exist.

a. The membership is unable or unwilling to fill the positions of President and Vice President for a period of sixty days after both offices become vacant.

b. NVARC does not hold a regular monthly meeting for more than four consecutive normal meeting months as defined in Section 2 of the Bylaws.

c. The membership votes to dissolve the club with a majority vote at a special meeting conducted in accordance with Article IV.

Upon a determination of dissolution, as defined above, by the remaining elected Officers the Treasurer or acting Treasurer is instructed to settle all unpaid debts and then transfer all remaining assets to the ARRL Foundation or its successor.”

4) Article IV—General Meeting

As the club has grown meeting attendance does not support the quorums required in this section. General Meetings should operate with looser requirements than Special Meetings.

Article IV General Meeting, second sentence change 20% to 15%.

Article IV General Meeting, third sentence change “a majority (not simple majority) of the members present vote in favor” to “a majority (51%) of the votes cast are in favor.”

5) Article IV---Special Meeting. The quorum specified is 50%. This is unreasonable based on meeting attendance. Even town meetings only require about 10% for a quorum. We considered some plan to move members to the Associate Member status but were concerned that they may feel they are lesser members though that is not the intent. This may result in the loss of members. While we could promote absentee balloting we haven't seen much interest there and it is an added burden to create ballots and do mailings. People voting this way don't get to participate in the discussion on the issue. There is no data to support the idea that any useful number of members would avail themselves of this option. The best choice is to reduce the quorum to 20% keeping the needed vote at 2/3^{rds} to ensure good support for a proposal in this category.

Article IV Special Meeting, fourth sentence change “50%” to “20%”

Dayton 2001 Hamvention

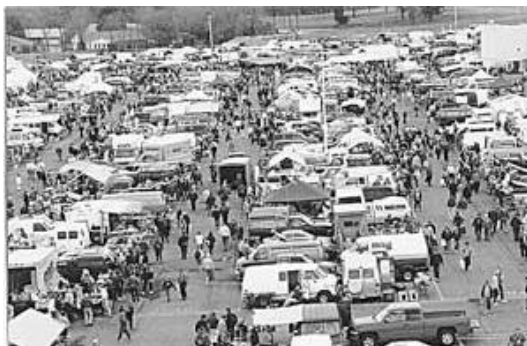
After hearing all the hype each year about the Dayton Hamvention, this year I decided to check it out for myself. The first thing you notice when you get to the Hamvention is its really big. The three-day event includes a huge outdoor flea market, a myriad of indoor commercial exhibits, interesting forums, and a host of banquets & hospitality suites. This is the place to meet hams from around the globe and take in some of the unusual sights like the fellow below with the crank up tower hat.



This year marked the 50th anniversary of the Dayton Hamvention. The Hamvention began in 1951 when John Willig, W8ACE approached the Dayton Amateur Radio Association (DARA) and convinced them to sponsor a one-day convention. The first event was held at the Biltmore hotel in downtown Dayton Ohio. It drew some 600 people, 300 more than expected. Since then the event has expanded into three full days with an estimated 30,000 hams in attendance last year. Revenue from this annual event is the sole source of income for DARA. It has enabled DARA to fund scholarships, educational programs, and the purchase of a communications van. The well-outfitted van is used for emergencies, disasters and public service events.

Dayton is approximately 800 miles from Townsend so getting there is a little more difficult than getting to the Hosstraders flea market or the Boxborough convention. Friends tell me it takes approximately 14-hours by car. I choose to fly which while faster was more expensive when you figure in the rental car cost. Once you have figured out how to get to Dayton there's the minor problem of accommodations. With 30,000 attendants finding a bed can be like trying to find a needle in a haystack. Rooms range from \$80 to \$130 or more and reservations need to be made well in advance. Many people reserve their room for next year as they check out this year.

The first thing you notice when you arrive at the HARA arena is the outdoor flea market, its truly massive containing more than 2,500 spaces (and all get sold out every year) and running from Friday thru Sunday. Comfortable shoes are a necessity; you'll do a lot of walking.



With the sheer size of this flea market it's an excellent place to locate those hard to find items. With so many sellers, I had expected that it would be a good place to find bargains but my expectations were wrong. It turned out to be a seller's market with few people willing to bargain Thursday or Friday. Bargains however could still be found if you were knowledgeable and patient. One problem people who fly to Dayton have is the limited space in which to bring purchases back home. I was fortunate enough to have a friend who drove take my purchases back for me.

Several years ago the Dayton Fire Department instituted a policy prohibiting motor vehicle traffic in the flea market area from 8:00 A.M. to 6:00 P.M. each day for safety reasons. The outside vendors commonly refer to this as "Lockdown". They have to drive in the flea market by 7:30 A.M. and are unable to leave until 6:00 P.M. Parking is a big problem at Dayton. Many people park in parking lots up to several miles away and take shuttle buses in.



Inside the HARA arena there are more than 500 commercial exhibits spread over the main arena and numerous halls. All the major manufacturers display with some coming from Europe or further. The commercial booths are the place to check out all the new gear. This is where all the new equipment is unveiled to the ham community for the first time. This year there weren't that many new products. One that struck me was a rotor developed by C.A.T.S. / Rotor Doctor. The rotor was touted as being twice as powerful as a "Tailtwister" at a significantly cheaper price estimated at 500 - \$600. Many dealers offer show discounts of 10-15% making it an ideal time to purchase new gear.

Throughout the three-day event there are many forums on a variety of topics including; QRP, Kit building, A.R.E.S., AMSAT, SSTV, ATV, PSK31, Fox Hunting, RTTY, DXing, and Contesting to name only a few. While I didn't have the time to attend many forums, I did take in the Contesting forum and viewed a documentary of the 2000 World Radio Team Championship held in Slovenia.

The Crown plaza hotel in downtown Dayton is ground zero for contesters. They come from all over the world just to socialize and swap war stories. Different contest clubs sponsor hospitality suites throughout the hotel and evenings are spent socializing, moving back and forth between suites. Two girls from the local Hooters restaurant were in the Midwest Contesters suite serving beverages. I enjoyed meeting some of the most prominent contesters both domestically and internationally. I attended the 9th annual Contesters banquet, sponsored by CQ magazine. The event included the annual induction ceremony for the contesters' hall of fame.

For more information on the Dayton Hamvention and visiting it visit their website at <http://www.hamvention.org/>

Public Service

Listing public events at which Amateur Radio communications is providing a public service and for which additional volunteers from the Amateur Community are needed and welcome. Please contact the person listed to identify how you may serve and what equipment you may need to bring.

Every event listed is looking for volunteers
Date Location Event Contact Tel/Email

Jun 17 Waterville ME Maine Lung Bicycle Trek Bill
W1LEE 207.287.4164 W1LEE@arrl.net

June 30 Princeton MA Longsjo Classic Bike Race.
Ralph KD1SM 978.582.7351 kd1sm@arrl.net

July 1 Fitchburg MA Longsjo Classic Bike Race.
Ralph KD1SM 978.582.7351 kd1sm@arrl.net

Remember that in July we usually support the Harvard Bike Race though we haven't heard from them yet. Also in July is the Longsjo Classic Bike Race in Fitchburg and surrounding towns. See Ralph for information on this one.

The most recent copy of this list is maintained as <http://purl.org/hamradio/publicservice/nediv>.

Repeater Upgrades

The repeater crew has been busy working on the repeater to try to identify the cause of apparent low battery voltages and low charge capacity of the deep cycle batteries. This was determined by utilizing function of the controller that measures the voltage. We checked the voltage during the normal charger on time and during the charger off time. Because of this the deep cycle batteries were removed for testing. In the process we discovered that the power supply that charges the batteries and provides power to the equipment when there is power could no longer supply enough current to support both repeaters and the packet system when transmitting simultaneously. It was determined the combined load current is approximately 35 amps. It was also determined that the power supply voltage was set too low to properly charge the batteries.



To put real numbers on the battery conditions Bob W1XP built a load that could simulate the combined three transmitter current draw of 35 amps. We then tested each battery under load for an extended period and then recharged them.

To improve the ease of maintenance of the batteries Stan KD1LE built a new bus bar system to connect the batteries. This allows for easier individual battery replacement than the previous daisy chained wire system. This system improves access to the batteries for checking fluid levels. It is also designed to allow charging of the batteries by an external source without running wires through the door by being accessible through the wall. Thanks to Bob W1XP, Dave N1MNX, and Stan KD1LE who worked on this project.

Boston Marathon

Another Boston Marathon has passed and NVARC was again present. In past years we had a larger representation at the finish line in Boston but this year we were also well represented at the starting line in Hopkinton. Ralph KD1SM and Jeanine N1QIT headed off to the southeast at 0-dark-thirty to get ready in Boston with the finish line team. About the same time Ken K1JKR and Stan KD1LE were heading in a more southerly direction for Hopkinton to meet up with the team working the starting line. By seven o'clock the teams at both ends of the course are in check-in meetings which may be followed later by meetings specific to their assignments. At the finish line Ralph is assigned to shadow the person responsible for the set up of the medical tents and for the physical therapists and athletic trainers who work the chute area where the runners flow after crossing the finish line. Their job will be checking for runners in distress. Jeanine is assigned to shadow the person responsible for all the

medical personnel in the finish area who are primarily located in a large tent one city block long. Though the race doesn't start for hours and it will take another two for the fastest runners to reach the finish the pace picks up. There are briefings by the doctors trying to anticipate the condition of the runners based on things like temperature, sun and wind. There are checks of the facilities, and personnel. Have the medical teams been assigned? Are there enough medical supplies, space blankets, etc. There is the arrival of equipment and its placement. Is the heating for the medical tent operational? Is the computer network for the runner status in the medical tent operational? There is also our (hams) own equipment to be moved and set up. There are the radios, antennas and miscellaneous items needed to support the three nets run out of the finish area; busses, medical sweep teams, and organizational for the shadows of the key people. It is a busy few hours and if all is done right the systems and personnel put in place will handle any problems that arise a few hours from now. Out in Hopkinton the scene is similar. Ken is shadowing the person responsible for setting up the starting chutes where all the runners are staged. The runner's position at the start is based on their qualifying times from a previous marathon. That determines what number they wear which in turn determines their position in the starting chutes. Stan is shadowing the person responsible for the starting line and the area around it. Volunteers are setting up the starting area, the media are setting up cameras and their satellite trucks. They are following a timeline that culminates with the first of several starts at 11:30 when the handicapped runners leave. Then the wheelchairs and finally at noon the fifteen thousand five hundred runners. That is enough runners that with the entire street closed it took about eighteen minutes before the last runner crossed the start line after the gun went off at noon. The finish line work was done by 1:00 PM so we had some food on the Hopkinton common before we headed home. The Finish line doesn't officially close until after 6:00 PM though the first runners arrived by 2:00 PM. So the finish line team wraps up between 7 PM and 8 PM. A long day to be sure. But the runners appreciate the support given by all the volunteers and they often say so.

Fox Hunting Resumes

The NVARC FoxBox is back out in the fields and forests after hibernating for the winter. In the past few weeks it has been found by Herm WW1HR, Larry KB1ESR, Mike WZ0C, and Barry W1HFN. The week of May 20 the fox was found by Ralph KD1SM, Herm

WW1HR, Larry KB1ESR, Jim AA1PO and Barry W1HFN.

The fox transmits every five minutes from 8:00 AM to 9:00 PM on 145.63 MHz. When you are getting close you can double the transmission rate for ten transmissions by sending the DTMF asterisk within five seconds after the end of a transmission. The fox is out in one of the area towns every week. Unless otherwise noted the fox will be in Groton, Pepperell, Lunenburg, Townsend, or Shirley.

Happy Hunting Stan

Parker Classic Road Race

On May 13th we provided communications for the Parker Classic Road Race at Devens. We had four positions on the two mile long course and eight positions covering the 5 five mile course. After the races they provided food and each ham received a race tee shirt and a six pack. Below is the net control station on the table in the shade with an antenna up in the natural tower. Ralph took this tough assignment.



This was the sixth annual event and we have been there for all of them. Thanks to the following who participated; KB1GID Ron, Barry W1HFN, Ralph KD1SM, Gary K1YTS, Bill NZ1D, Ben KB1FJ, Stan KD1LE, Tom K1JHC, By the way the six pack was toothbrushes donated by one of the race sponsors.

Groton Memorial Day Support

On Memorial Day May 28th Russ WR1Y and Stan KD1LE provided communications for the Groton Parade and memorial services. Not the usual kind of communications we provide but audio frequency com-

munications support at the various sites where activities took place along the parade route. Russ has provided the public address system for the Groton Cemetery which is the major stop on the route for several years but the parade director desired support at the three other sites where the parade stops and speaking takes place. So we provided one fixed PA system at the cemetery and one vehicle mounted system to move ahead of the parade to the three other minor sites.

More Gain

With better weather it is time to pursue all those facility improvement projects. Ralph KD1SM and Stan KD1LE installed two Yagi antennas on the tower belonging to Ben KB1FJ. On the ground the crew consisted of Ben, Bruce K1BG, Bruce's son Myles, Craig N1ABY, and Wolfgang KA1VOU. Follow up work on the hardline coax was completed by Ben, Dave N1MNX and Ralph.



From The ARRL Letter

ARRL ASKS FCC TO INVESTIGATE LONG-RANGE CORDLESS TELEPHONE SALES

The ARRL has asked the FCC to investigate and “take appropriate action” against several companies it alleges have been marketing so-called “long-range cordless telephones” via the Internet. The ARRL took the action in the wake of an interference complaint and numerous reports from the amateur community about sales of the devices, some operating on amateur VHF and UHF frequencies.

ARRL General Counsel Chris Imlay, W3KD, said the League was seeking the FCC probe because the apparently uncertificated devices operate on amateur bands and are capable of interfering with amateur communication. He also noted that the devices are not likely to meet maximum permissible exposure levels for RF.

“ARRL has not been able to locate any FCC certification for these devices and, based on the advertised frequency bands and ranges, it is believed that none of these devices could be certificated, or legally marketed or sold, under FCC rules,” Imlay wrote. The League said some of the companies may be selling similar wireless products that may operate on amateur or restricted bands.

The letter was addressed to FCC Enforcement Bureau Chief David Solomon as well as to Raymond LaForge of the FCC’s Office of Engineering and Technology’s Equipment Authorization Division and to FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth.

Imlay said the ARRL also is looking into the marketing of products such as 434-MHz video surveillance equipment and other “apparently non-certificated devices” that use amateur frequencies but are being marketed in the US to non-amateurs.

The ARRL was able to obtain one of the long-distance cordless telephones for testing. The device, made in China and bearing no FCC identification number or label, operates near 147 MHz with an output power greater than 3 W. Other such phones are advertised as having ranges of up to 100 km operating at power levels of up to 35 W on VHF and UHF.

ARRL Lab Supervisor Ed Hare, W1RFI, said he's received at least one report of actual harmful interference from a long-range cordless telephone to amateur communication. The amateur reporting it tracked the telephone to the home of a neighbor, who said he'd bought the device on eBay.

Hare said some long-range devices are legally certified to operate on the 900 MHz or 2450 MHz Part 15 bands. Hare invited reports of unlicensed devices causing actual harmful interference to Amateur Radio operation to rfi@arrl.org.

AMSAT PRESIDENT LAUDS AO-40 SUCCESS, LOOKS TOWARD NEW PROJECT

With a modicum of success already assured for the troubled Phase 3D/AO-40 project, AMSAT-NA President Robin Haighton, VE3FRH, says his organization already is looking toward its next bird. Haighton said AMSAT's newest satellite project could be up and running within three years, possibly sooner.

In an interview with the ARRL, Haighton lauded the "fantastic reports" and "great worldwide coverage" of the AO-40 satellite. Until this week AO-40 had operated its transponders in an experimental mode with uplinks at 435 MHz and 1.2 GHz and a downlink and beacons in the 2.4 GHz band.

AO-40 ground controllers have shut down the satellite's transponders in preparation for raising AO-40's perigee by about 200 km. AMSAT-DL President and AO-40 team member Peter Guelzow, DB2OS, said transponders will remain off "until further notice." The RUDAK beacon and the 2.4 GHz middle beacon will remain up, however. Haighton said this week that it's hoped the a slightly higher perigee will eliminate the effects of what he described as "a mysterious force" that alters the satellite's attitude when it comes through perigee.

While AMSAT continues dealing with AO-40, Haighton said it's also looking ahead to its next satellite, and design work is expected to get under way in earnest by this summer. "We would like people in apartments to have access to satellites with relatively small, easy compact equipment and not have to swing large antennas around," he said. "We're looking at our next satellite to provide that."

As plans now stand, the new satellite would—at least in a pinch—accommodate VHF users with omnidirectional antennas at perigee, plus users with good antennas at UHF as well as L band and S band. It also might employ digital modulation capabilities that, Haighton said, could make the new satellite "probably at least 10 dB better than anything we're currently using."

Like AO-40, the new satellite will not be a low-Earth-orbiting bird but have an elliptical orbit that Haighton said would be "very very similar to the current AO-40 orbit." The configuration would provide up to 17 hours or so of usage out of every 24.

"What we're actually looking at is a new class of satellite," Haighton explained. For the time being, the new satellite is going under the name "Project JJ" after the two people who came up with the idea—Lyle Johnson, KK7P, and Dick Jansson, WD4FAB.

"We've already started contacting launch agencies," Haighton said. He added that "a major design weekend" was set for July, and he expressed confidence that the new project could reach fruition "on the outside three years from now."

ROUND-THE-WORLD HAM-SAILOR IS ON THE HOME STRETCH

Ham-sailor David Clark, KB6TAM, arrived May 30 on Fernando de Noronha and said all is well. He expects to resume his sail in a couple of days and plans to reach Fortaleza—some 350 miles distant—by early next week. Clark recently had departed Ascension after a brief stop. He's now is on the home stretch of his quest to be the oldest person to sail solo around the world.

Clark, who turned 77 on May 17, is hoping to make Fort Lauderdale by July. He is keeping in touch with wife, Lynda, and others primarily via ham radio phone patches. Fred Moore, W3ZU, has been running phone patches for Clark while Bob Reed, N6HGG, has also been keeping regular radio schedules with Clark since he departed Ascension. Both expect to continue work-

ing Clark short-path, now that he is nearer his Florida target.

Clark survived a disaster in February that sank his original sailboat, the Mollie Milar. His beloved canine companion Mickey was lost during the rescue efforts. Corporate sponsors and helpful hams in South Africa and elsewhere got him back into blue water with another sailboat—which he named Mickey in honor of his lost companion.

Clark reports the new vessel continues to handle well with no major problems. While in Ascension, he picked up a new autopilot and was invited by new friends on a neighboring yacht to celebrate his birthday, May 17, with a dinner party ashore.

For more information on Clark's journey, visit <http://www.dclark.com> and <http://www.captainclark.com>.--Archie McKay, K4GA

FLORIDA ARES GROUP ACTIVATES TO COVER 911 OUTAGE

On May 13, a water leak shorted out Jacksonville Fire-Rescue Department's telephone and radio systems, including the 911 trunk to the Jacksonville Sheriff's office. This event knocked out all emergency radio and telephone traffic. All police and rescue traffic was diverted to the single UHF repeater normally used for routing private ambulances to area hospitals—resulting in an instant frequency overload. JFRD officials turned to Amateur Radio. The ARES Quick Response Team was on-scene within 30 minutes of the call-up. In all, 21 hams assisted in passing continuous fire and rescue radio traffic over the 146.76 MHz repeater for nearly three hours. Duval County Emergency Coordinator Miller Norton, N4RYX, told the ARES volunteers, "We are the last defense and simply cannot fail to respond when called. Job well done."

ARRL EXECUTIVE COMMITTEE REVIEWS PRELIMINARY 5 MHz BAND PETITION

The ARRL Executive Committee has reviewed a preliminary draft Petition for Rule Making seeking a new US ham band in the vicinity of 5 MHz. Experimental operation at 5 MHz under a license issued to the ARRL has been going on since 1999. Participants in the ARRL WA2XSY experimental operation have established that an allocation at 5 MHz could improve

emergency communication capabilities by filling the gap between 80 and 40 meters. On a motion from Southwestern Division Director Fried Heyn, WA6WZO, the EC agreed that the petition should seek a domestic secondary amateur allocation around 5 MHz with a bandwidth of 150 kHz. Executive Committee members will review the completed draft petition before it's filed with the FCC, possibly before the next ARRL Board meeting in July.

An amateur allocation in the vicinity of 5 MHz long has been an objective of the International Amateur Radio Union. The IARU's Administrative Council has approved a goal of "a narrow allocation, even on a shared basis in the vicinity of 5 MHz." Winning an allocation at 5 MHz—even on a domestic basis—could take several years. Securing an international allocation will be more difficult and take even longer. Consideration of an allocation at 5 MHz is not on the agenda for WRC-03 nor on the preliminary agenda for WRC-05/06.

A review of FCC-related issues dominated the May 5 Executive Committee session in Dallas. In other matters, the Executive Committee was told that an FCC Notice of Proposed Rule Making still is expected soon in response to the ARRL's petition, RM-9404, seeking Amateur Radio access to the low-frequency spectrum. Filed in late 1998, the ARRL petition asks the FCC to establish LF allocations in the vicinity of 136 kHz and between 160 and 190 kHz.

ARRL General Counsel Chris Imlay, W3KD, also told the Committee that the ARRL's Application for Review that seeks to clarify the FCC's PRB-1 limited preemption policy with respect to amateur antennas is pending before the full Commission. The ARRL wants the full Commission to review—and reverse—an FCC staff decision declining to extend PRB-1 coverage to include CC&Rs—covenants, conditions and restrictions. The EC agreed to request an en banc presentation to the full FCC this fall, after new Commission appointees have been seated.

The Committee also was told that favorable FCC action is anticipated on a petition seeking to upgrade Amateur Radio's status from secondary to primary at 2400 to 2402 MHz. The ARRL recently renewed a longstanding request that the FCC elevate Amateur Radio from secondary to primary at 2300 to 2305 MHz. The minutes of the ARRL Executive Committee meeting in Dallas are available on the ARRL Web site, http://www.arrl.org/announce/ec_minutes_466.html.

ARRL AND REACT TO SIGN MEMORANDUM OF UNDERSTANDING

Representatives of the ARRL and REACT met in Dallas, Texas, May 16 to sign a memorandum of understanding between the two organizations. The agreement is intended to promote joint coordination of the resources between ARRL and REACT and to facilitate the flow of information to and from the public during emergencies.

ARRL president Jim Haynie, W5JBP, and REACT International president Chuck Thompson, N5IAG, signed on behalf of their respective organizations.

"This memorandum of understanding is part of our efforts to establish a common front in dealing with emergencies and disaster communication and with other issues facing the radio hobby, including such things as antenna ordinances," Haynie said. Thompson said the memorandum will strengthen the organizations' "common goal of providing assistance to the public."

While REACT has been associated primarily with Citizens Band in the past, the organization has widened its focus to embrace amateur and other services. ARRL and REACT share common goals in terms of emergency communication. The primary mission of REACT is "to provide public safety communications to individuals, organizations, and government agencies to save lives, prevent injuries, and give assistance wherever and whenever needed."

The memorandum of understanding calls on the two organizations to "cooperate and utilize their resources from time to time to optimum mutual benefit to both parties." Among specific principles, the agreement will involve cooperation during emergencies and disaster relief and the elimination of "duplicative or technically inferior service" during such responses. "The parties will generally encourage ongoing liaison with each other and urge members of both organizations to develop increasingly effective communications and cooperation," the agreement states.

Thompson and Haynie are long-time friends, and Haynie is a member of REACT in the Dallas area. Haynie was the instructor for Thompson's Novice Amateur Radio license class. He says Thompson recruited him to REACT membership.

A copy of the REACT-ARRL Memorandum of Understanding is available on the ARRL Web site at <http://www.arrl.org/FandES/field/mou/react.html>.

ALINCO SHIFTS NORTH AMERICAN DISTRIBUTION, SERVICE TO OHIO FIRM

Amateur Radio manufacturer Alinco has closed its US branch in Torrance, California, and shifted its North American distribution to an Ohio firm.

Alinco product distribution and customer service now are being handled by Atoc Amateur Distributing LLC in Covington, Ohio. The change was effective May 1.

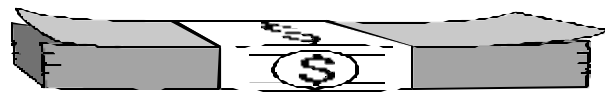
A news release posted on the Alinco Web site says that Alinco will continue to be "a very committed, viable player in the Amateur Radio marketplace" and that all Alinco warranties "will remain in force and continue to be honored through their term." Alinco will exhibit at Dayton Hamvention next week and will sponsor the W8BI special event station in the outdoor exhibits area as it has in past years.

In addition to dealer distribution, the Atoc facility in Ohio is taking over customer support and out-of-warranty service of Alinco products and sales of Alinco parts. Parts sales have been temporarily suspended during the changeover, and service could be disrupted for a time as well.

The announcement said Alinco will concentrate on designing and manufacturing products from its Japan headquarters in Osaka and factory in Toyama.

For more information, visit the Alinco Web site, <http://www.alinco.com>, or contact Atoc Distributing LLC, 23 S High St, Covington, OH 45318; 937-473-2840.

\$June Treasurer Report\$



NVARC Trading Post

Radio Equipment for Sale

- 2- Ge phenoix 150-170 Prom programmable
- 1- Ge phenoix 450-470 Prom programmable

2- Kenwood 805 450-470 non-scanning 16 channels
25watt Digital programmable
2- Midland 99ch 2 piece lowband now tuned for 6 Me-
ters ?100watt Programmable

2- Motorola 25watt Lowband ?Xtal presently on
45.52mhz

1- Antenna 900mhz corner reflector

non-commercial ie (ham)

1- alinco 2 meter **needs cpu**

1- alinco 6 meter 10watt perfect

1- Kenwood 742 3band 2m 6m 70cm perfect

1- kenwood TH78 dualband 2m/70cm (expanded) 3

batteries 2 chargers, commercial mic.

2- 10 meter 225 watt power amps

2- 10-12 meter channelized 5watt allmode(No repeater
splits)

1- 10 meter 50 watt all mode RCI with splits

1- Hamtronics RP200 442.900mhz repeater with cavi-
ties running great!

3- Ranger new Marine 25 watt two-way radios in the
box

I also have a C.B. collection if you know anyone who
collects, I have some duplicates.

David Peabody / N1MNX

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Po box 1309

Pepperell, Ma. 01463-3309

2001 Fleamarkets

7 Jul 2001 + Southern Berkshire ARC, Goshen, CT

12-14 Jul 2001 * 10-10 International Convention

10-10 International Convention Committee

<http://www.qsl.net/kc1fv/convent.html>

Worcester, MA

14 Jul 2001 x Pen-Bay ARC, Union, ME

15 Jul 2001 x MIT Radio Society/Harvard Wireless
Club/MIT UHF Repeater Assn.

28 Jul 2001 + Bagley ARC, Lincoln, ME

19 Aug 2001 x MIT Radio Society/Harvard Wireless
Club/MIT UHF Repeater Assn.

<http://web.mit.edu/w1mx/www/swapfest.html>

1-2 Sep 2001 * Eastern VHF/UHF Conference
Eastern VHF/UHF Society & North East Weak Signal
Group, Enfield, CT

9 Sep 2001 + Mohawk ARC, Orange, MA

16 Sep 2001 + Western Connecticut Hamfest
Candlewood ARA, Newtown, CT

16 Sep 2001 x MIT Radio Society/Harvard Wireless
Club/MIT UHF Repeater Assn.



Nashoba Valley

Amateur Radio Club

PO Box # 900

Pepperell Mass 01463-0900

mailto:nvarc_n1nc@arrl.net

<http://purl.org/hamradio/club/nvarc/>

Pres.: Erik Piip KA1RV

V Pres.: Earl Russell WR1Y

Secretary: Ian Norrish NZ1B

Treasurer: Ralph Swick KD1SM

Editor: Stan Pozerski KD1LE

Photographer Ralph Swick KD1SM

PIO: open

Board Members

Bob Reif 1999-2002

Den Connors 2000-2003

Craig Kalley 2001-2004

Meetings are held on the 3rd Thursday of the month -
7:30 p.m. - Pepperell Community Ctr. Talk-in 146.490
simplex

442.90 + 100Hz Repeater

53.890 - 100Hz Repeater

This newsletter is published monthly. Submissions,
corrections and inquiries should be directed to the
newsletter editor. Articles and graphics in most IBM-
PC formats are OK. You can send items to

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