



SIGNAL

June 1995 Volume 4 Number 6

From The President's Desk

Listen...listen...listen. That should be the way to make a contact. Too often you hear a DX station being hammered with call signs one on



top of the other. Some send their call two or three times each attempt. Some are running big power, With everyone walking all over each other it's difficult for the DX station to pick out a call.

This week there was a station from Rwanda on and there was a pile up. So I **listened** and **lis-**

tened. I listened to be sure I was on frequency, I listened to see the speed he is sending at. Is my speed reasonable for him, either higher or lower? I listened to see that he was just using a simple simplex method. That is no split or RX/TX offset. I listened to see what his routine was in sending CQ and call sign. Did he send CQ CQ de 9X??? DE 9X??? and how many times. I listened for his name, his QTH, and any QSL info. Nothing bothers me more than to have someone contact a DX station in a pile up and then have to ask for the call sign. If you don't know who your calling I don't think you should be calling.

After all **MY** listening, I had all **HIS** information. I got ready to send my call for the first time. Knowing his routine I got my call off right after he finished his sending and with that first transmission I logged Rwanda. **Listen, Listen, Listen.**

Stan KD1LE

Congratulations to the Graduates

Congratulations to Elaine Swick N1QLV who graduated from Lunenburg High School. She has been accepted at and is going on to U Mass Amherst for music education.

ARRL Field Trip

The field trip is finally on. We are scheduled to visit the League June 17th. There are five signed up so far and there is room for a few more.

At The Last Meeting

At the last meeting we had pictures and video tapes of various Massachusetts club field days.

This Month and Beyond

This month's speaker is Brad Cole K3XL who will speak on emergency communications and ARES. The July meeting will be held at my QTH on the regular meeting night at 6:00 PM It will be a family cookout. Bring your burgers or franks, the grill will be hot. We will provide the plates, napkins, utensils, and drinks. There will be swimming and socializing. bring some dessert to share. If you have something to show; QSL's a gadget, or something we will have a table to display things. See you there. Stan

Novice Roundup

Well the Novice Roundup is history, and unfortunately that may mean more than just for this year. Based on participation this may have been the last one. For Novice/Techs there were only three who submitted logs from East Ma.; N1SOH Ethan from Lexington, KB1AUM Shelia from Newtonville, and N1QVN William from Scituate, from West Ma. there was N1EWT Jeff from Springfield.

There were also some local participants in this years event.

In the Non-Novice category are two locals. Near the top of the heap was K1BG Bruce, and in the middle of the pile, KD1LE Stan. These non-novices were reported to have had a great time in the low key, week long event.

\$The Treasurer's Report\$

General income for May was \$135.50 from membership renewals, ARRL membership renewals, and the split-the-pot at the meeting. Expenses were \$39.89 for newsletter postage and checking account fee. N1LLG was the winner of the split-the-pot and contributed his half to the Education fund--thanks, Dan!

The current fund balances are:

General fund	\$734.36
Education fund	\$207.34



73 de Ralph KD1SM

DX Report

FROM ARRL HEADQUARTERS
NEWINGTON CT JUNE 1, 1995
TO ALL RADIO AMATEURS
ARLD029 DX NEWS

THIS WEEK'S BULLETIN WAS MADE POSSIBLE WITH INFORMATION PROVIDED BY TEDD, KB8NW, THE OPDX BULLETIN, JOE, NJ1Q, MICHAEL, KA2AEV, DAVE, N7RK, THE YANKEE CLIPPER CONTEST CLUB PACKETCLUSTER NETWORK AND THE CONTEST CORRAL FROM QST. THANKS TO ALL.

BOUVET, 3Y. UA9OBO, RW3GW AND PERHAPS OTHERS, LEAVE SAINT PETERSBURG SOMETIME THIS MONTH TO TAKE PART IN A SCIENTIFIC EXPEDITION TO THE ANTARCTIC LASTING SEVERAL MONTHS. BOUVET IS SCHEDULED AS ONE OF THEIR STOPS AND LANDING PERMISSION HAS BEEN OBTAINED. THEIR CALL WILL PROBABLY BE 3Y/R0FL.

GIBRALTAR, ZB2. DAVE, N7RK, WILL BE ACTIVE AGAIN FROM ZB2 JUNE 23 TO 30 AS N7RK/ZB2. HE WILL BE ON 80, 40, 30, 20 AND 17 METERS RUNNING 100 WATTS AND WIRE ANTENNAS. QSL VIA CBA. NOTE THAT ALL QSL'S FROM DAVE'S NOVEMBER 1994 N7RK/ZB2 OPERATION HAVE NOW BEEN SENT OUT EITHER DIRECT OR VIA THE BUREAU, DEPENDING UPON HOW RECEIVED.

SAINT PAUL ISLAND. EVERYTHING IS A GO FOR THIS OPERATION SLATED FOR JULY

27 TO AUGUST 2. OPS AA4VK, WA4DAN, KW2P AND W5IJU WILL SIGN /CY9 ON ALL BANDS WITH CW, SSB AND RTTY. SOME 6 METER AND SATELLITE OPERATION IS POSSIBLE. QSL VIA WA4DAN.

ANTIGUA. MEMBERS OF THE FRANKFORD RADIO CLUB PLAN TO BE ACTIVE DURING THE CQ WW SSB CONTEST OCTOBER 28 AND 29. THIS MULTI-MULTI EFFORT WILL SIGN V26B. TEAM MEMBERS WILL BE ACTIVE ON VARIOUS BANDS AND MODES BOTH BEFORE AND AFTER THE CONTEST PERIOD AS TIME PERMITS, USING V26B AS WELL AS OTHER CALLS. QSL V26B VIA WT3Q.

SSTV

FROM ARRL HEADQUARTERS
NEWINGTON CT MAY 30, 1995
TO ALL RADIO AMATEURS

A COMPLETE, MODERN SLOW SCAN TELEVISION SYSTEM HAS BEEN DONATED TO W1AW.

THE SYSTEM, DESIGNED BY JOHN LANGNER, WB2OSZ, INCLUDES HIS PASOKON TV SOFTWARE, A "FRAME GRABBER," A 486 COLOR COMPUTER, AND A CHARGE COUPLED DEVICE (CCD) CAMERA. HIS SYSTEM IS DESCRIBED IN THE COVER STORY IN JANUARY 1993 QST.

THE SYSTEM, VALUED AT SOME 2000 DOLLARS, WAS DONATED BY NORM CRELLER, W8MPM, WHO SAID "I OWE MY MORSE CODE SKILLS TO W1AW CODE PRACTICE AND STILL MONITOR BULLETINS FROM THE STATION. I WANTED TO DO SOMETHING IN RETURN." CRELLER IS A MANAGER AT CHRYSLER MOTORS IN TOLEDO, OHIO.

THE NEW SSTV EQUIPMENT IS SET UP FOR USE BY VISITORS TO W1AW. THEY WILL BE ABLE TO OBSERVE SSTV ON THE HF BANDS AS WELL AS TO SEND PICTURES.

SAREX

FROM ARRL HEADQUARTERS
NEWINGTON, CT MAY 26, 1995
ARLS006 SAREX TO FLY ON SPACE SHUTTLES IN JUNE

THE SHUTTLE AMATEUR RADIO EXPERIMENT, OR SAREX, WILL BE CARRIED ON THE 100TH US HUMAN SPACE MISSION WHEN THE SPACE SHUTTLE DISCOVERY LAUNCHES ON JUNE 8, 1995 AT 1326 UTC. THE MISSION IS DESIGNATED STS-70, AND THE CREW INCLUDES ONE AMATEUR RADIO-LICENSED

ASTRONAUT, MISSION SPECIALIST DONALD A. THOMAS, KC5FVF. THE CREW HAS SCHEDULED VOICE CONTACTS WITH 8 SCHOOL GROUPS IN THE US AND ONE IN ARGENTINA. LANDING IS TARGETED FOR JUNE 16 AT 1136 UTC AT THE KENNEDY SPACE CENTER IN FLORIDA.

ON THIS MISSION, THE SAREX HARDWARE WILL BE FLOWN IN CONFIGURATION C WHICH INCLUDES 2 METER FM VOICE AND PACKET. AMATEURS SHOULD USE THE USUAL FREQUENCY SET TO MAKE RANDOM SAREX CONTACTS. THE ASTRONAUTS WILL OPERATE SPLIT, TRANSMITTING AND RECEIVING ON SEPARATE FREQUENCIES. PLEASE DO NOT TRANSMIT ON THE SHUTTLE'S DOWNLINK FREQUENCY. THE DOWNLINK IS YOUR RECEIVING FREQUENCY. THE UPLINK IS YOUR TRANSMITTING FREQUENCY. THE FM VOICE DOWNLINK IS 145.55 MHZ. THE FM VOICE UPLINKS ARE 144.91, 144.93, 144.95, 144.97 AND 144.99 MHZ. THE CREW WILL NOT FAVOR ANY OF THE UPLINK FREQUENCIES, SO YOUR ABILITY TO COMMUNICATE WITH SAREX WILL BE THE "LUCK OF THE DRAW." TO AVOID CAUSING INTERFERENCE TO OTHER STATIONS, TRANSMIT ONLY WHEN THE SHUTTLE IS WITHIN RANGE AND WHEN THE SAREX STATION IS ON THE AIR. THE CREW WILL USE KC5FVF AS THE PRIMARY VOICE CALL SIGN. ON PACKET, USE W5RRR-1 TO LOG A CONTACT ON THE SAREX ROBOT.

SEND REPORTS AND QSLs TO ARRL EAD, STS-70, 225 MAIN STREET, NEWINGTON CT 06111-1494 USA. INCLUDE THE MISSION NUMBER, DATE, TIME IN UTC, FREQUENCY AND MODE IN YOUR REPORT. YOU MUST ALSO INCLUDE A SELF-ADDRESSED STAMPED BUSINESS-SIZED ENVELOPE IF YOU WISH TO RECEIVE A CARD. THE STERLING PARK AMATEUR RADIO CLUB IN STERLING, VA HAS GENEROUSLY VOLUNTEERED TO MANAGE THE CARDS FOR THIS MISSION.

THE FLIGHT WILL HIGHLIGHT THE DEPLOYMENT OF A SIXTH TRACKING AND DATA RELAY SATELLITE. ONCE DEPLOYED, AN ENGINE ON THE SATELLITE WILL BOOST IT INTO A GEOSTATIONARY ORBIT. THE TDRS SYSTEM PROVIDES NASA WITH COMMUNICATION AND TRACKING CAPABILITY TO MEET ITS MISSION SUPPORT REQUIREMENTS.

SAREX WILL ALSO BE CARRIED ON MISSION STS-71, WHICH IS SCHEDULED FOR NO EARLIER THAN JUNE 23. DURING THAT MISSION, THE SHUTTLE ATLANTIS WILL



RENDEZVOUS AND, FOR THE FIRST TIME, DOCK WITH THE RUSSIAN SPACE STATION MIR. THE SHUTTLE WILL CARRY TWO NEW MIR CREW MEMBERS (MIR 19) TO THE STATION, AND RETURN TO EARTH WITH THE THREE MIR 18 CREW MEMBERS, INCLUDING US ASTRONAUT NORM THAGARD.

NH Antenna Bill

ARRL Bulletin 57 ARLB057
From ARRL Headquarters
Newington CT June 8, 1995
NH antenna bill signed

New Hampshire Governor Stephen Merrill has signed into law a bill protecting amateurs' rights to antennas.

The bill, HB 379, earlier passed both the state's House and Senate unanimously and was signed by the governor on June 5. It was originally written to include slightly stronger language regarding antennas than that contained in PRB-1; the language was then fine-tuned at the suggestion of members of the legislature who are "friendly to Amateur interests," according to ARRL New Hampshire Section Manager Al Shuman, N1FIK. The bill was filed on the coattails of New Hampshire's HB 1380, passed in 1994, which provides protection from taxing Amateur Radio towers as real property. HB 379 reads: "No city, town, or county in which there are located unincorporated towns or unorganized places shall adopt or amend a zoning ordinance or regulation with respect to antennas used exclusively in the amateur radio services that fail to conform to the limited federal preemption entitled Amateur Radio Preemption, 101 FCC 2nd 952 (1985) issued by the Federal Communications Commission."

In addition to Shuman, other New Hampshire amateurs who helped in this victory included Rep Ralph Rosen, W1HSB; Rep Tom Kirby, W1EJ; Rep Rudy Adler, W1GUA; Jack Sheehy, WA1ALM, and Cal Calvitto, WA1WOK. Rep Rosen wrote the bill.

Massachusetts Ant Bill

The Ma. antenna bill H2782 passed the House in May and is now in Senate Committee. This is the best the bill has done and with some help could pass this year. I would encourage everyone to call or write their Senator to ask for his support in passage. Stan

Found on Packet

Msg #18712 From: KM1H Date: 8-Jun 2002Z Subj: CW important in Pilot Rescue

Capt. Scott O'grady, the Marine pilot shot down in Bosnia used CW to establish contact and confirm his identity. 15 min. later he was rescued. CW is far from dead, no matter what Wayne Green and Gordon West whine about.

Coming up in Pepperell

The 4th annual Fun Run is coming up June 30. That's the Friday of the 4th of July weekend. We will be providing some communications for the race. This race is sponsored by United Video Cablevision

Repeater Help

MSG#353 06/05/95 15:36:35 FROM N1MNX TO ALL SUBJECT: REPEATER HELP

WE ARE IN NEED OF HELPERS ON THE REPEATER SHACK AND DONATIONS SUCH AS PAINT OR LINOLIUM FOR THE FLOOR. I JUST RECEIVED SOME CHAIN LINK FENCE AND NEED HELP TO INSTALL SAME . NEED ALSO TO BUILD WALL BRACKETS FOR OUT SIDE ALUM. STORAGE... ALSO ANY OTHER FORM OF DONATION OR HELP WOULD BE APPRECEATED.

Board Meeting Notes

This months board meeting was held June 8. It comes early this month since the first day of the month was a Thursday.

Some of the items discussed were;
Field Day site secured in Groton

July meeting to be a cookout/pool party at KD1LE. Bring your own burgers and some desert to share. Drinks, plates, utensils, etc. will be provided. Any questions call 433.5090

We approved the expenditure of ??? for the regular Filed Day expenses.

With good weather upon us we were looking for any other activities that members would like. If you have an idea let us know.

NVARC QSL BUREAU

This month one pound of cards were sent out to the QSL Bureau. Last minute participation the WW Prefix Contest helped to fill up the stack. If anyone is sending cards to the Buro themselves (I hope not) remember that the charge is now \$3.00 per pound of cards. Anyway, bring your cards to the meeting or to breakfast and we'll take care of the shipping. Stan

From the Video Library

The Video Library has seven titles to loan.

- **The Last Voice From Kuwait**
- **The all China DF Competition**

- **Your League at Work**
- **Signal to Noise Story**
- **Gonzaga Prep HS Radio Club Satellite Communications**
- **The New World of Amateur Radio**

You can get them anytime you can catch me at home, and I will bring the available tapes to each meeting. Stan

Resource List

Construction	Earl Russell	448-5822
DX	Bruce Blain	772-4138
NTS, MARS	Stan Pozerski	433-5090
RACES	Ben Akins	433-9227
TCP/IP	Ralph Swick	582-7351



Nashoba Valley Amateur Radio Club

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PIO: Earl Russell WR1Y

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

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 acceptable.

Packet address: PEPMBX (145.09 MHz)