



N.E.W.S. LETTER



The Publication of the North East Weak Signal Group

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ISSUE TWO

President: N2MSS Hank Lopez
Vice President: AF1T Dale Clement

CURRENT OFFICERS

Secretary: K1MAP Mark Casey
Treasurer: N1DPM Fred Stefanik

NEXT MEETING

**THE NEXT MEETING IS ON MARCH 14TH, 1:00 PM AT THE HARLEY INN
ALL ARE WELCOME TO THE DIRECTORS MEETING AT 11:00 AM
GUEST SPEAKER, ED HARE W1RFI, FCC RF EXPOSURE REGULATIONS**

IN THIS ISSUE

FROM THE PRESIDENT'S SHACK, N2MSS	PAGE 2
ON THE BANDS, DE WZ1V	PAGE 2
ICE, ICE AND MORE DE K1WHS	PAGE 3
ICE AND THE CONTEST DE WA2TEO	PAGE 3
ICE AND THE CONTEST DE KD1DU	PAGE 4
ON THE MOVE AGAIN DE N2LIV	PAGE 4
WEAK SIGNAL GROUP DAYTON BANQUET DE WASWZG	PAGE 4
HS CW MS AND AU DE KD1DZ	PAGE 4
JANUARY VHF SWEEPSTAKES TOTALS DE KB1VC	PAGE 5,6,7
GENERAL MEETING SECRETARY'S REPORT, DE K1MAP	PAGE 7
NOV BOARD MEETING, DE K1MAP	PAGE 7
GLENN, K1GVM SILENT KEY	PAGE 7
NEXT GUEST SPEAKER, ED HARE W1RFI	PAGE 8
NEW CLUB CALLSIGN, K1YX DE WZ1V	PAGE 8
TOM KIRBY MEMORIAL AWARD	PAGE 8
HOW DID IT ALL COME TO BE? DE N2LIV	PAGE 8
FOR SALE OR SWAP	PAGE 9

N.E.W.S. GROUP NET EVERY THURSDAY 8:30 PM LOCAL 144.250

KD1DU NET CONTROL, WZ1V ALTERNATE

**STARTS EAST THROUGH NORTH THEN SOUTH FOR DIRECTIONAL CHECKINS
THEN BACK AROUND AGAIN FOR COMMENTS AND GRID HUNTING**

MEMBERSHIP in the N.E.W.S. Group is \$10 per year. Apply to Fred Stefanik, N1DPM, 50 Witheridge St., Feeding Hills, MA 01030 (413) 786-7943 You may download an application from our web page <http://uhavax.hartford.edu/newsvhf>

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FROM THE PRESIDENT'S SHACK: **MARCH NEWSLETTER**

Is the ICE gone from the antennas yet? By now everyone has heard about the menacing ICE storms in the Northeast. Some places got hit worst than others and most stories are too sad to repeat. Of course, this complicated matters for the January contest, but as can be seen from the rumored scores, there was still plenty of effort demonstrated. On the bright and warm side of things, APRIL is S-P-R-I-N-T time! Be sure to mark your calendars and come out and play on those mini - weeknight operating events!

I do not want anyone to think that this is a CONTEST ONLY club. A contest is an operating event that is intended to get everyone on the bands; it does not have to be competitive for all. I realize that contesting is not for everyone, but getting on the bands and operating should be on everyone's priority list in an effort to save our spectrum. Too bad we can't get the activity on the higher bands on a regular basis. When you look at the overall contest scores throughout the country, one quickly sees just how hard some of our club members really worked!

One last word on the contest. How about that procedure that Matt, KB1VC designed for the N.E.W.S. web page to input rumored contest scores? Truly a state of the art WWW application! Good Job Matt! Also, many thanks to Ron, WZ1V for his publicity work on the project.

Lili, N2RDN, Star and I have just returned from a week vacation in Down East Maine. We spent 4 days in the Bar Harbor region and were treated to some Down East fun by Don, K1WJY and his wife Mollie, and Bob, W1KMG. Two meter sideband was hopping - regulars like Ray, W1REZ and Jay, N1RWY to about a half dozen or so NEW operators! I am glad activity is picking up and that folks are beginning to realize just how much fun VHF can be. One of the Bar Harbor clubs ordered some of the six meter TEN-TEC kits and are gearing up for the Es season. I am proud to report that Don, K1WJY and Bob, W1KMG have become very active on 2m SSB, as have several other hams in that area. Later in the week we visited Ray, W1REZ. He demonstrated that from way up Maine, it's very possible to have some unbelievable fun with 2m SSB. Many thanks again to Don, Mollie, Bob, and Ray for their warm hospitality towards Lili, Star, and I. We look forward to another visit real soon!

It is commendable to see members getting involved with club sub-committee activities. Mark, K1MAP, is heading the Spectrum Coordination committee. An E-mail I recently came upon, stated that Ron, WZ1V, is to act as contest chairman. Please remember we are still in need of additional member involvement! For example, Bruce, N2LIV, is looking for assistance in appointing a club historian. This is sure to become an "all hands on deck project," since the club members are the ones that have been making history. It is obvious that there is a vast knowledge base amongst our membership, so let's not be forgotten!

If you missed the January meeting, you really missed a good one, with a great attendance to boot. Paul, WB8TSL, gave a very informational talk on test equipment with specific illustrations to VHF/UHF equipment usage. Paul covered every aspect of the subject from buying to setting up the equipment.

Since it is March, I hope the weather holds for the upcoming March 14 meeting. The guest speaker will be Ed Hare, W1RFI from the ARRL who will talk about the new FCC RF Exposure Regulations. Please spread the word and try to bring a friend to the meeting.

See you there and 73, Hank - N2MSS
N2MSS@JUNO.COM - N2MSS@BANET.NET

ON THE BANDS **BY RON KLIMAS WZ1V, FN31**

The January contest provided a few short sporadic Es openings on 6M, both on Saturday afternoon and again on Sunday, but it didn't make up for all the missed QSOs due to ice loading on the antennas. Still, we were able to at least get on and have some fun. The highlights for me were getting WA2LTM FN20 to hear my 50 mW on 3456, and catching K4QI FM06 on random 432 CW. By the way, did anyone notice KB2ZVP's score from FN22 ? I think Randy put on a terrific showing with just 3 bands. You can check to see how others fared in the contest as well as our club score elsewhere in this issue. As of this writing it looks like we just missed making Unlimited by 2 entries, but our club score was still excellent considering the ice storm and poor conditions. Great work, everyone! Special thanks to Matt Reilly KB1VC for that terrific webpage he designed for us to automatically track all our scores: <http://www.tiac.net/users/reilly/janscores.html>

February 17 was a good night for 2M Aurora. Best times seemed to be from around 2330 to about 0150 UTC. Here's what some operators said about the opening:

>From Russ K2TXB FM29:

It was a nice AU. K0MQS was in here the whole evening, sometimes above s9. Best dx was South Dakota, EN13 (W7XU), also worth mention was EN24 (KB0PYO), EM49 (W0KT), EN42 (W0IZ), and FN48 (VE2BKL).

>From Bob W1COT FN31: Worked 3 new grids, best DX was K0MQS EN31. Also heard W9ZIH on 432.

>From Steve W1SN FN41: Good Aurora, best DX was K0MQS EN31 and KD0PY EN41.

Also, W2FCA reported contacts with the EN40s, 70s, and 80 until 0150Z, and N1YAE had a good SSB Au QSO with a FN25 station on 6 meters.

A good way to catch up on what's happening is to check into a net. Roger K2SMN FN20 runs a Sunday morning net 10:30 A.M. EST on 144.250. Randy KB2ZVP FN22 has a 6mtr usb 50.230MHz net Tuesday night @ 7:00 P.M. EST and Rich W2CCP FN32 or Randy KB2ZVP FN22 has a 2mtr usb 144.230MHz Tuesday night net @ 8:00 P.M. EST. And don't forget to check into our N.E.W.S. Group Thursday night net on 144.250 starting around 8:30 PM EST, KD1DU net control (WZ1V alternate).

OK gang, keep checking the bands and looking for those openings. See you at the March 14 N.E.W.S. meeting and on the bands! And Please Send reports of DX or Expeditions to me, Ron Klimas, 458 Allentown Rd., Bristol, CT 06010 or call 860-589-0528 if you have something you'd like to share about an unusual contact, etc.

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-73 and good DX, Ron WZ1V, internet email: wz1v@connix.com
-50 through 3456 MHz.

ICE, ICE AND MORE

The weeks preceding the January VHF Sweepstakes produced some of the worst ice storms in the Northeast region in 50 to 100 years. Not only did this storm cover areas from Ohio to Maine, it caused devastating damage to many areas with power outages exceeding a week, downed antennas and transmission lines & towers and trees everywhere. The Thursday and Friday preceding the contest once again caused much icing. Hair dryers and propane heaters were used to defrost antennas with the threat of the use of airplane de-icing fluids.

One of our prominent EME'ers and Contesters, Dave Olean - K1WHS - who has spent over 25 years developing his mountaintop QTH and famed Maine Monster EME array experienced almost total destruction to his antenna farm as noted in the following postings on the Pack Rat reflector: (Hi Packrats!) A severe ice storm, the worst I have experienced since moving here in 1971, has hit Maine. My contest station has been wiped out. The 144 Quad array has been smashed. The six meter four yagi array has been smashed. All of this is visible from the house. I haven't been up there yet today, (Friday am) but I fear that 222, 432 and 903 quad arrays are gone too. The crashing stuff from above would have wiped out the lower ones. Ice loading was 1- 1/4" thick as of 4 P.M. Thursday. Since then we have had another 15 hours of freezing rain. The antennas crashed during the night. K1WHS will not be QRV during the contest. I have a feeling that June might be a washout as well! I have so little time to devote to hamming, and historically, all my repairs get done in June and July. September is historically when everything works!

73, Dave K1WHS

Hello Packrats,

Here is an ice storm update. It's pretty bad here. The rain started on Tuesday with a temperature of about 27 degrees. The temperature stayed between 25 and 28 degrees F. until the rain stopped early Saturday am. (abt 1-2 am.) I went up the hill on Thursday P.M. and saw the top two 4218XLs had buckled boom braces and were in danger of collapsing. By Friday am, it was all over. The 4218s became scrap that night. The booms are in several pieces. The six meter array caved in as well. The 222 array was badly damaged by falling ice. In addition, a single 222 yagi up 100 ft. was trashed along with an FM 144 yagi. The EME array collapsed on Friday morning while I was trying to save it. I managed to prop up one end with a fiberglass extension ladder. The opposite end collapsed and the vertical supports just layed over and snapped. Antennas are everywhere. The bottom one is now planted in the field! Aircraft cable gave out, and eyelets opened up.

I saved a piece of ice and measured 3 1/2" of ice on one side of a six meter element. I could not measure the entire diameter. Ice was falling and the chunks were so big as to be lethal. I scurried in and grabbed a chunk that had broken off the night before. I would estimate from it's size, that there was another inch on the other side. So there was a 4 1/2" wide chunk of ice on all the six meter beams. The 903 looper array had the full wave loops completely closed up with ice! Why it didn't fail I don't know. The booms were severely drooping Saturday morning, but melted ice brought them back to normal. The 1296 and 2304 arrays looked like they were built inside an ice cube. It was discouraging, but they didn't fail. The 2304 blowtorch array was the best looking antenna on the hill. It had no sagging, just was inside a solid ice block!!

I talked to some tower workers rebuilding a broadcast installation over

on the next hill in Sanford, ME. (elev. 625 ft..) The tower had collapsed through the roof of the equipment shack. Falling ice perforated the roof as well. I measured a piece of ice laying there and it was a 4" radius around the 5/16" guy wire. This is after laying on the ground after two days of melting. These guys (hams) recounted a tower north of here about 15 miles in Shapleigh, ME. 300ft high, that had ice covering the guy wires 8-10" across. The ice melted and slid down the guys, and when it did it unwrapped the preformed guy grips and straightened out the strands in the wire. By some miracle, the tower stood, but they had to replace all the guy wires. The guy showed me pictures to back up his story. A number of communication towers fell.

I can see some good news. My towers stayed up. The new 432 quad FO yagi array stayed up. I think I will try to rebuild the EME array. It will be a

bunch of work, but less work than scrapping the whole array on Saturday and Sunday. Some places up North didn't fare as well. They had clouds and most of the ice is still there. In short it is the worst ice storm anyone has ever seen. I am not too bummed out. I am continually re-doing antenna stuff anyway. As long as the towers are OK, I am counting my !!

I got power back on Sunday night, but my house was on the edge of devastation. I saw places a few miles north up in hills that will be out of power for another week at least. At least I got some good melting blessings! Thanks to all who contacted me with their condolences. I'll have some stuff going for June. 73

ICE AND THE CONTEST DE WA2TEO

Thanks Ron. Actually the score is down about 6k from last year. Mostly because of the incredibly low grid totals on 903 and 1296 (down 7 and 5 from last year). Haven't worked so few grids since 5+ years ago when I used to run 10 watts and antennas in the trees!

How'd I do it? Lot's of backbreaking work on Friday and Saturday. Took all 3 towers down to get the ice off. Managed to do some damage along the way which required repairs as well. Pretty exhausting and frustrating work - about 12 hours worth in total. If my dad (W2GKR) hadn't come over Saturday A.M.. to help I wouldn't have been able to do it. I was so tired by the end we had to share cranking up the last 2 towers. I sat down at a few minutes after 2 to operate without any lunch, checking WWV, setup skeds on CT etc.....But: activity was great from the start. 94 q's in the first hour followed by 93 in the second. Had over 500q's by 7.5 hours which is a record. Things really slowed up by 11 P.M.. local but by the time I went to sleep at 2 A.M.. I had over 630 q's and over 150 grids worked. Thought I was headed for 400k for sure!

Sunday was very slow, however. Conditions were very bad till mid afternoon. I worked over half of my 903,1296 and 2304 contacts in the last 8 hours of the contest. Did manage 1 goal which was to see if I could make 1100+ qso's which I managed to reach with about 30 seconds to spare! Finally found ND3F/R in FM26 with 2 minutes to go and was able to work him easily on 2,222, and 432 in less than a minute and actually log him before the clock struck 11! That took me from 1098 q's to 1101. By the way, all q's except 2 were on ssb or cw. CU, Jeff

CU, Jeffinternet note from Jeff to Ron, WZ1V

ICE AND THE CONTEST DE KD1DU

Thursday, before the contest, I had almost one inch of ice on everything, the ground, the trees and of course the antennas. I put a plea out on internet for some Boeing 747 de-icing fluid on the VHF reflector on the net but didn't get the 55 gallon drum in time. I had thoughts about climbing the Ice covered tower, spraying the antennas with the 45degree water from the garden hose but decided neither would have been a good idea.

I didn't figure I would be operating the contest. Saturday morning I was planning to go to work but the Sun came out and the ice started to melt. Around 11:00AM I started shaking the guy wires and some of the ice came off. By contest time I had shaken most of the ice off the 2 meter array but not the driven elements. I tuned the amp for the 400W reflected and switched the 432 station to the vertical collinear. Pretty sorry state of affairs but I at least had a working 10 GHz station, ice doesn't detune a dish.

Even though I was somewhat frustrated I had a good time especially on 10 GHz. Since that storm I got iced up again and this time with high winds, that trashed my rotator but should be back on soon.

73, Del
KD1DU

WEAK SIGNAL GROUP BANQUET AT DAYTON

To All VHF Weak Signal OperatorsThe VHF WEAK SIGNAL GROUP that Meets Monday nights at 0200 UTC on 3.843 MHz, would like to invite everyone that is coming to Dayton Hamvention to our annual banquet...We have reserved a room , that will seat 125 , on Friday Night May 15th. from 6:30 PM. until 11:00 P.M. at the Holiday Inn North, Waggoner Ford Road, Dayton, Ohio. There will be a cash bar as well as plenty of seating to allow you to mix and mingle with other VHFERS from all over the country and the world. There will be over 50 prizes with two grand prizes worth over 300 dollars being drawn starting at 9:00 P.M.. Also, there will be a guest speaker, Joel Harrison, W5ZN, who will provide a short talk on VHF activity. There will also be a noise figure measuring table so bring your preamps to tweak.

The cost of a ticket to attend this function which includes a 2 entree banquet dinner , is only \$30 dollars per person, and they are limited to 125. You may order your tickets by sending \$30.00 plus an SASE to either Tony Emanuele, WA8RJF, 7156 Kory Court, Concord Township, Ohio 44077 or Tom Whitted, WA8WZG, 4641 Port Clinton East Rd., Port Clinton, Ohio 43452. Website info is WWW.WA8WZG.COM

This one of the largest gathering of Weak Signal enthusiasts in the U.S., so get your tickets early and join us for an enjoyable evening at the Dayton Hamvention!

Thanks and 73's Tom Whitted, WA8WZG

ON THE MOVE AGAIN

Dave Robinson, G3FRE-WG3I-WW2R-VK2IDR is on the move again. A disposed NEWS Group member who moved to New Jersey from the United Kingdom (not once but twice) then on to San Antonio, Texas with a short stint in Australia is now moving to the Dallas, Texas area. He will be a neighbor of W5LUA, Al Ward (ex. WB5LUA). Dave has moved his work location already and has shortlisted 3 houses with good moon views. The real estate agent wonders if he is a werewolf with his interest in the moon. He and Al are already working on a 47 GHz narrowband transceiver. The close relationship to the North Texas Microwave Society should spur some new creative interests. Best of luck in your move.

Bruce N2LIV

HS CW MS AND AU DE KD1DZ

Just a short report about my activity on 2m with high speed CW. I am active on 2m with a 7 el and 800 watts since the past 6 months. Even with this modest system I work on a daily basis stations 1000-1200 km away. What is the secret? High speed CW and using sporadic meteors and minor showers. At about 4000lpm you only need a very short ping to exchange info. Most skeds take about 15-20 minutes. In Europe this is the primary mode for stations to increase their grid numbers. Pings are recorded with the computer and played back at reduced speed. There are various programs available and one does not need to be an experience cw operator as the play back speed can be varied to as low as you want it. CW is generated with a keyer or computer program using audio injection. Again the hardware is easily available and very simple. Station requirements are modest. A 10dB antenna and 100watt will do it. The great fun is that you do not need the major meteor shower. Sporadic meteors and minor showers work great for distances up to about 1500-1800 km. During my regular skeds with WA8CLT in EN80 and W8WN in EM76 we generally complete within 15-30 minutes using sporadic meteors and minor showers. This mode is ideal during major showers on 220 and 432 MHz. The number of stations within range of New England is increasing but we want more stations to become active. Anyone interested in this mode can obtain all the information from the WWW at http://www.nitehawk.com/rasmit/ws1_15.html I will try to bring my computer for a demonstration at the next meeting. If you have questions or need more info don't hesitate to contact me.

Some info on the Aurora opening of 2-18-98: worked 00:54Z K8EB EN73 CW, 01:27 K0MQS EN31 1728km CW Station here: 600watt, 7el at 50 ft

73 Maarten KD1DZ, FN41GV /RI
(exPE1FIG/ PA3EFA)

JANUARY VHF SWEEPSTAKES TOTALS:

[HTTP://WWW.TIAC.NET/USERS/~REILLY/JANScores.HTML](http://www.tiac.net/users/~reilly/janscores.html)

BY MATT REILLY KB1VC <REILLY@TIAC.NET>

CALL	GRID	NEWS	CLS	SCORE	50	144	222	432	903	1296	2304	3456	5760	10G	24G	LAS
K3MQH	FM19	N	U	695372	603/87	867/68	181/46	314/50	14/4	16/4	-	-	-	6/2	2/2	-
WA8WZG	EN81	N	U	601176	294/70	381/59	74/38	160/49	56/21	80/33	27/16	1/1	1/1	13/7	1/1	-
N2WK	FN03	N	U	564235	303/60	422/55	102/29	164/29	43/19	57/20	21/7	6/4	0/4	29/4	12/2	5/2
K8GP	FM19	N	U	342800	405/65	395/44	102/23	175/32	25/11	41/19	6/3	2/1	2/1	2/1	-	-
KU8Y	EN61	N	U	152598	230/58	251/46	55/27	97/31	1/1	18/10	-	-	-	-	-	2/1
K2TVI	FN21	N	U	141015	373/34	318/22	109/18	145/18	8/4	22/7	3/2	-	-	-	-	-
N2PA	FN12	N	U	75696	121/22	195/25	58/10	62/7	15/4	20/5	11/4	8/4	-	4/1	-	4/1
K2ZO	FN30	N	U	67108	201/18	340/24	83/14	64/13	5/3	7/4	-	-	-	-	-	-
WQ0P	EM19	N	U	29256	65/33	73/32	13/10	36/23	1/1	7/6	-	-	-	1/1	-	-
KB2VGH	FN13	N	U	8625	44/7	127/8	-	65/5	-	7/3	-	-	-	1/1	-	1/1
N0YNP	DN81	N	U	1078	11/8	16/7	2/2	5/3	-	2/2	-	-	-	-	-	-
WA2TEO	FN31	Y	S	357888	267/52	409/45	117/31	181/32	45/13	61/12	21/7	-	-	-	-	-
AA2UK	FM29	N	S	289872	146/36	309/43	93/26	115/30	38/13	54/15	19/5	13/2	9/2	10/4	-	-
K1RZ	FM19	N	S	204876	247/63	279/39	62/26	89/27	22/13	32/18	5/3	-	-	-	-	-
W3RJW	FN20	N	S	201260	139/30	226/24	104/16	125/15	44/9	66/11	26/4	14/2	10/2	8/2	-	1/1
KE8FD	EM89	N	S	194360	89/39	229/74	71/39	108/47	14/9	32/18	-	-	-	-	-	-
WZ1V	FN31	Y	S	140375	165/30	204/27	74/19	117/25	26/8	7/10	5/3	5/3	-	-	-	-
K8TQK	EM89	N	S	122996	114/48	146/59	51/34	80/39	10/5	18/9	-	-	-	-	-	-
W0UC	EN44	N	S	118026	180/69	177/32	40/19	71/25	9/7	18/11	1/1	1/1	-	1/1	-	-
K5IUA	EL29	N	S	112179	328/124	111/24	22/11	43/17	4/3	7/4	-	-	-	-	-	-
K2TXB	FM29	N	S	108096	-	468/46	50/2	125/29	-	67/16	-	-	-	5/3	-	-
W2AAA	FN03	N	S	107017	85/20	168/27	62/17	97/18	-	41/9	2/2	-	-	18/4	11/4	7/2
K3DNE	FM19	N	S	100548	124/35	222/36	60/23	97/28	17/9	7/2	-	-	-	-	-	-
K5TR	EM00	N	S	99828	397/131	69/21	15/11	34/14	-	-	-	-	-	-	-	-
W2UR	FM29	N	S	98370	101/18	178/26	46/2	81/19	37/8	43/7	17/4	5/2	4/2	4/2	-	-
WB2VVV	FN21	Y	S	83536	102/16	224/25	71/16	74/13	28/9	27/8	8/4	-	-	1/1	-	-
AFIT	FN43	Y	S	78016	151/32	179/23	49/19	68/18	14/6	15/4	3/2	-	-	4/2	-	-
KB2ZVP	FN22	Y	S	76780	137/36	365/47	-	98/27	-	-	-	-	-	-	-	-
WA1YHO	FN42	N	S	67232	105/14	173/24	62/13	77/17	16/8	28/9	4/3	-	-	-	-	-
W5UWB	EL17	N	S	66744	311/134	33/11	8/4	18/10	-	4/3	-	-	-	-	-	-
N1BWT	FN42	Y	S	65338	106/20	176/23	62/18	84/18	11/5	15/4	-	-	-	5/3	-	-
W1RIL	FN42	Y	S	65321	110/14	131/17	40/12	77/13	22/10	36/10	4/2	-	-	6/5	-	-
W0ZQ	EN34	N	S	63100	72/19	145/25	43/17	76/19	15/7	25/11	-	1/1	-	1/1	-	-
KD1DU	FN31	Y	S	62402	162/24	367/34	16/5	36/5	6/3	6/3	2/2	-	-	8/6	-	-
N3OPM	FM19	N	S	56015	43/10	318/42	12/3	137/30	-	-	-	-	-	-	-	-
K2YAZ	EN74	N	S	55074	63/34	124/41	29/20	57/28	2/2	11/9	-	-	-	-	-	-
W3KM	FN20	N	S	52416	80/14	176/17	69/10	73/11	20/3	35/4	8/3	1/1	-	-	-	-
N1MUW	FN32	Y	S	47304	157/23	157/21	63/12	72/14	-	16/3	-	-	-	-	-	-
WA1MBA	FN32	Y	S	46988	-	155/20	-	80/17	18/9	32/9	11/6	5/3	1/1	5/3	-	-
AA3GN	FN20	N	S	46242	122/21	178/25	34/2	75/10	25/3	29/2	-	-	-	-	-	-
K1MAP	FN32	Y	S	42435	114/17	135/17	47/11	72/13	5/3	13/4	4/2	3/2	-	-	-	-
WA3DRC	FN20	N	S	39490	52/5	198/22	40/2	116/19	39/7	-	-	-	-	-	-	-
W1COT	FN31	Y	S	37310	85/19	128/26	33/14	52/16	-	18/7	-	-	-	-	-	-
W2ONP	FN12	N	S	33408	36/12	100/17	23/7	30/9	18/4	22/4	5/4	5/3	3/2	2/2	-	-
KH2CY	FM09	N	S	32756	105/24	126/21	60/16	40/15	-	-	-	-	-	-	-	-
WA1MKE	EN70	N	S	32700	35/17	116/38	25/15	45/22	4/3	5/5	-	-	-	-	-	-
N8ZJN	EM79	N	S	32528	58/29	78/34	24/17	40/22	-	10/5	-	-	-	-	-	-
N1DPM	FN32	Y	S	31570	39/11	42/14	39/12	40/13	13/6	22/8	5/3	4/3	-	-	-	-
K5KAT	EL29	N	S	31408	143/70	49/15	8/4	29/10	4/3	5/2	-	-	-	-	-	-
NK8Q	FN20	N	S	29795	108/22	137/20	37/5	77/11	-	8/1	-	-	-	-	-	-
K4RTS	FM08	N	S	29667	58/27	81/23	29/17	41/19	-	10/7	-	-	-	-	-	-
N6KBX	CM98	N	S	28800	70/30	118/24	28/8	58/18	-	-	-	-	-	-	-	-
W3SE	DM03	N	S	28612	92/11	186/17	66/9	106/9	-	-	-	-	-	-	-	-
K9BZ	EN35	N	S	28405	95/26	208/29	-	67/10	-	-	-	-	-	-	-	-
K4ZOO	FM08	N	S	27936	99/41	62/23	25/14	34/17	-	3/1	-	-	-	-	-	-
N0LL	EM09	N	S	27846	82/52	76/36	9/9	19/17	-	5/5	-	-	-	-	-	-
KB0VUK	EN34	N	S	27643	68/22	131/29	25/10	55/16	-	-	-	-	-	-	-	-
K3VGX	FM19	N	S	26673	-	523/51	-	-	-	-	-	-	-	-	-	-
N2LIV	FN30	Y	S	25986	61/16	81/12	31/9	47/9	14/7	18/8	-	-	-	-	-	-
KC8AGW	EN90	N	S	25960	59/25	164/43	-	36/20	-	-	-	-	-	-	-	-
K8NNU	EN82	N	S	25896	43/14	113/32	24/15	44/19	-	5/3	-	-	-	-	-	-
N2MSS	FN31	Y	S	25584	51/10	125/12	28/7	62/11	8/3	14/5	3/2	-	-	3/2	-	-
WB2DUS	FN22	N	S	25066	62/23	98/21	26/17	39/19	-	3/3	-	-	-	-	-	-
W4KXY	EM84	N	S	24380	128/53	109/36	-	14/3	-	-	-	-	-	-	-	-
KB2YWU	FN13	N	S	23800	73/23	161/29	-	58/16	-	-	-	-	-	-	-	-
N2SCJ	FM29	N	S	23616	73/9	181/9	64/6	99/9	-	19/3	-	-	-	-	-	-
VE3IEY	FN14	N	S	23048	45/17	93/32	32/17	23/16	2/2	3/2	-	-	-	-	-	-
KC8CSD	EN81	N	S	22512	57/24	95/26	21/14	37/20	-	-	-	-	-	-	-	-
N2NEP	FN13	N	S	20345	144/32	85/18	30/10	-	6/5	-	-	-	-	-	-	-
KA1OJ	FN42	N	S	19170	122/19	151/22	-	41/13	-	-	-	-	-	-	-	-
WB2QLP	EL96	N	S	19116	188/69	48/12	-	-	-	-	-	-	-	-	-	-
KE8RO	EN81	N	S	18906	72/28	112/26	-	45/15	-	-	-	-	-	-	-	-
W1PM	FN41	N	S	18615	64/9	99/15	35/12	48/11	-	9/4	-	-	-	-	-	-
KX1C	FN42	Y	S	18564	88/14	140/19	36/12	10/2	4/2	7/2	-	-	-	-	-	-

WA1VVH	FN42	Y	S	18090	81/10	119/16	4/1	55/12	-	21/6	-	-	-	-	-	-	-
WA2HFI	EN34	N	S	17628	48/12	79/17	19/7	39/6	11/5	13/5	-	-	-	-	-	-	-
KN4SM	FN16	N	S	15444	70/40	68/24	-	30/14	-	-	-	-	-	-	-	-	-
N0KQY	DM98	N	S	14268	34/29	90/42	-	20/16	-	-	-	-	-	-	-	-	-
AA7A	DM43	N	S	13910	95/35	73/20	-	23/10	-	-	-	-	-	-	-	-	-
WA2ZFH	FN30	N	S	13884	33/8	101/12	8/3	61/11	-	21/5	-	-	-	-	-	-	-
NC1I	FN32	Y	S	12488	-	-	-	223/28	-	-	-	-	-	-	-	-	-
W1TDS	FN32	Y	S	12426	88/24	94/25	-	18/8	-	-	-	-	-	-	-	-	-
K1FO	FN31	Y	S	12060	-	-	-	201/30	-	-	-	-	-	-	-	-	-
KB2HQ	FN32	Y	S	11484	56/14	59/14	18/6	25/4	4/2	9/3	-	-	-	-	1/1	-	-
WB1FKF	FN42	Y	S	11360	-	54/12	15/6	28/8	6/3	10/3	4/3	1/1	1/1	4/3	-	-	-
NS9E	FN12	N	S	11340	35/5	84/10	26/7	28/6	8/4	14/4	-	-	-	-	-	-	-
K1DY	FN54	N	S	10972	24/8	61/15	24/12	31/14	4/3	-	-	-	-	-	-	-	-
N5JHV	DM62	N	S	10360	134/60	14/10	-	-	-	-	-	-	-	-	-	-	-
KQ6QW	DM04	N	S	9780	76/12	90/8	44/5	36/5	-	-	-	-	-	-	-	-	-
W1GRW	FN31	Y	S	9240	60/11	62/15	28/10	16/8	-	-	-	-	-	-	-	-	-
KB1VC	FN42	Y	S	7227	47/8	98/17	-	37/8	-	-	-	-	-	-	-	-	-
KD4K	EM74	N	S	7130	53/18	48/14	11/7	16/7	-	-	-	-	-	-	-	-	-
K3IXD	FM19	N	S	6970	53/12	106/15	-	23/7	-	-	-	-	-	-	-	-	-
K6LS	DM79	N	S	6860	44/8	74/16	6/2	33/9	-	-	-	-	-	-	-	-	-
W2GKR	FN31	Y	S	6612	73/17	101/21	-	-	-	-	-	-	-	-	-	-	-
WA1ECF	FN41	Y	S	5910	30/7	107/12	25/9	1/1	-	2/1	-	-	-	-	-	-	-
W4UE	EM90	N	S	5831	12/10	31/20	10/6	12/8	-	8/5	-	-	-	-	-	-	-
N6ZE	DM04	N	S	5580	28/13	71/15	13/4	15/4	-	-	-	-	-	-	-	-	-
WA5IYX	EL09	N	S	5454	100/53	1/1	-	-	-	-	-	-	-	-	-	-	-
N2RDN	FN31	Y	S	5024	49/11	44/8	5/3	11/4	2/2	2/2	1/1	-	-	1/1	-	-	-
WA1HOG	FN42	Y	S	5022	49/9	51/7	11/4	14/3	-	9/4	-	-	-	-	-	-	-
W1NWE	FN32	Y	S	4928	-	108/18	-	24/8	-	5/2	-	-	-	-	-	-	-
K6YK	CM97	N	S	4752	6/2	102/17	19/4	15/4	-	-	-	-	-	-	-	-	-
AJ1X	FN31	N	S	4320	180/24	-	-	-	-	-	-	-	-	-	-	-	-
VE3VRQ	FN13	N	S	4092	-	132/31	-	-	-	-	-	-	-	-	-	-	-
K1WVX	FN31	Y	S	4088	47/13	59/8	9/4	11/3	-	-	-	-	-	-	-	-	-
N1FUS	FN42	Y	S	4053	-	103/12	-	45/9	-	-	-	-	-	-	-	-	-
N5TML	EM14	N	S	4032	84/48	-	-	-	-	-	-	-	-	-	-	-	-
N1RXM	FN31	Y	S	3087	4/3	101/14	-	21/4	-	-	-	-	-	-	-	-	-
K1LPS	FN34	Y	S	2937	26/11	29/13	9/5	8/4	-	-	-	-	-	-	-	-	-
WA3LTB	EN92	N	S	2835	-	81/35	-	-	-	-	-	-	-	-	-	-	-
W1AIM	FN34	Y	S	2834	-	109/26	-	-	-	-	-	-	-	-	-	-	-
N1EKV	FN42	Y	S	2700	28/4	51/11	-	28/5	-	-	-	-	-	-	-	-	-
N1SAG	FN31	Y	S	2548	36/11	20/8	-	21/7	-	-	-	-	-	-	-	-	-
KA1OTP	FN41	Y	S	2530	-	63/13	-	10/3	-	8/6	-	-	-	-	-	-	-
W3SZ	FN20	N	S	2295	-	79/12	-	28/5	-	-	-	-	-	-	-	-	-
NA1W	FN32	Y	S	2240	-	46/9	11/5	6/2	4/2	4/2	-	-	-	-	-	-	-
KF2XF	FN30	N	S	1989	-	117/17	-	-	-	-	-	-	-	-	-	-	-
N3XJX	FN10	N	S	1850	27/11	47/14	-	-	-	-	-	-	-	-	-	-	-
N3KKM	EM28	N	S	1798	24/12	18/12	3/3	3/3	-	1/1	-	-	-	-	-	-	-
W1REZ	FN55	N	S	1768	-	104/17	-	-	-	-	-	-	-	-	-	-	-
WA2ALV	FN33	Y	S	1541	-	29/12	4/3	15/8	-	-	-	-	-	-	-	-	-
W1QWJ	FN32	Y	S	1539	51/10	30/9	-	-	-	-	-	-	-	-	-	-	-
N1TLW	FN34	N	S	1342	25/10	30/10	-	3/2	-	-	-	-	-	-	-	-	-
W1VT	FN31	Y	S	1326	16/5	16/4	2/1	9/3	2/2	4/2	-	-	-	-	-	-	-
N1RWY	FN54	N	S	1254	6/4	48/12	-	6/3	-	-	-	-	-	-	-	-	-
K9PW	EN52	N	S	1242	-	69/18	-	-	-	-	-	-	-	-	-	-	-
K1LXD	FN31	Y	S	532	10/5	28/9	-	-	-	-	-	-	-	-	-	-	-
K1LXD	FN31	N	S	532	10/5	28/9	-	-	-	-	-	-	-	-	-	-	-
WV1K	FN41	N	S	387	40/8	3/1	-	-	-	-	-	-	-	-	-	-	-
N2CEI	EN81	N	S	200	-	-	-	-	-	-	1/1	1/1	1/1	1/1	1/1	-	-
K1EP	FN42	Y	S	144	14/2	6/2	1/1	1/1	-	-	-	-	-	-	-	-	-
K1TR	FN44	N	S	1	-	1/1	-	-	-	-	-	-	-	-	-	-	-
ND3F	FM19	N	R	277629	85/16	280/26	90/16	120/25	55/12	95/18	22/4	1/1 1	7/4	17/4	-	-	16/4
W2FU	FN13	N	R	164169	80/12	247/29	75/15	127/14	35/8	54/10	22/4	11/4	11/4	5/3	-	-	-
K1YX	FN31	Y	R	144648	132/25	384/34	62/18	112/21	22/6	27/8	8/4	3/2	-	-	-	-	-
N0HJZ	ROVER	N	R	110276	103/20	368/19	82/6	230/9	22/2	59/4	1/1	1/1	-	2/2	-	-	-
K7XC	DM04	N	R	107616	118/25	338/30	67/13	125/19	26/6	-	-	-	-	-	-	-	-
KA2CKI	FN13	N	R	82253	108/13	171/19	61/12	97/10	28/6	27/6	12/6	9/4	-	-	-	-	1/1
N1MJD	FN34	N	R	46800	148/16	146/19	58/11	75/13	-	16/5	-	-	-	-	-	-	-
KF9US	EN82	N	R	44536	48/9	136/23	41/11	76/13	16/5	26/7	-	-	-	-	-	-	-
N8KWX	EN62	N	R	21462	83/8	184/12	43/8	79/8	-	-	-	-	-	-	-	-	-
N6VHF	DM13	N	R	15522	46/6	176/15	53/8	35/4	-	-	-	-	-	-	-	-	-
AB5SS	EL29	N	R	14448	42/15	72/12	14/7	36/7	3/2	8/3	-	-	-	-	-	-	-
KJ1K	FN32	N	R	12012	40/8	70/8	20/6	46/8	3/2	8/5	-	-	-	-	-	-	-
N1QVE	FN31	N	R	8052	44/9	96/9	3/2	29/6	-	6/3	-	-	-	2/1	-	-	-
N1MU	FN13	N	R	5673	8/5	31/9	-	32/4	8/4	6/3	-	-	3/2	-	-	-	-
NN5DX	DM79	N	R	5544	27/18	101/13	-	-	1/1	-	-	-	-	-	-	-	-
N2YCA	FN32	Y	R	5244	30/3	56/5	14/3	41/4	3/2	5/2	-	-	-	-	-	-	-
KC6WFS	DM04	N	R	4814	76/18	32/6	29/4	-	-	-	-	-	-	-	-	-	-
KB2WEV	ROVER	N	R	2466	-	11/4	-	13/4	-	11/3	-	-	-	1/1	-	-	6/2
N3XUD	FM19	N	R	56	-	14/2	-	-	-	-	-	-	-	-	-	-	-
N9TZL	EN52	N	Q	2100	-	66/18	-	17/3	-	-	-	-	-	-	-	-	-
VE2PIJ	FN35	N	Q	1720	17/6	25/7	9/3	13/4	-	-	-	-	-	-	-	-	-

WA6TBO	DM12	N	Q	192	-	24/8	-	-	-	-	-	-	-	-	-	-	-	-	-
N0JK	EM18	N	Q	108	-	8/7	-	2/2	-	-	-	-	-	-	-	-	-	-	-
N6RMJ	DM14	N	L	245841	241/74	276/53	133/48	150/52	-	-	-	-	-	-	-	-	-	-	-
W3OR	FM28	N	L	90718	190/52	171/36	66/21	92/25	-	-	-	-	-	-	-	-	-	-	-
K8EB	EN73	N	L	64771	73/33	214/49	38/24	62/27	-	-	-	-	-	-	-	-	-	-	-
N2HLT	FN12	N	L	62816	154/37	176/30	47/15	90/22	-	-	-	-	-	-	-	-	-	-	-
W8ZH	EN91	N	L	53631	531/101	-	-	-	-	-	-	-	-	-	-	-	-	-	-
W1QK	FN31	N	L	53280	225/24	259/23	40/12	88/13	-	-	-	-	-	-	-	-	-	-	-
W3HZU	FN10	N	L	51504	241/36	247/23	-	84/12	-	10/3	-	-	-	-	-	-	-	-	-
WD9EXD	EM57	N	L	45540	135/57	112/41	22/17	27/17	-	-	-	-	-	-	-	-	-	-	-
W7XU	EN13	N	L	35244	165/91	102/41	-	-	-	-	-	-	-	-	-	-	-	-	-
N5XU	EM10	N	L	33600	182/81	58/16	7/6	23/9	-	-	-	-	-	-	-	-	-	-	-
WB1FLD	FN42	Y	L	32130	114/14	156/21	49/13	71/15	-	-	-	-	-	-	-	-	-	-	-
W1VHF	FN41	Y	L	24138	263/29	102/17	-	33/6	-	4/2	-	-	-	-	-	-	-	-	-
WT4C	FM16	N	L	22500	120/51	66/23	10/6	22/10	-	-	-	-	-	-	-	-	-	-	-
WA6KLK	CM89	N	L	21248	86/28	150/23	-	42/11	-	3/2	-	-	-	-	-	-	-	-	-
VE3TMG	EN82	N	L	14202	62/19	111/22	-	45/13	-	-	-	-	-	-	-	-	-	-	-
KA1EKR	FN42	Y	L	13566	-	101/16	37/11	62/12	-	6/3	-	-	-	-	-	-	-	-	-
K1WHS	FN43	Y	L	8	-	4/2	-	-	-	-	-	-	-	-	-	-	-	-	-

NEWS GROUP GENERAL MEETING **JAN. 3, 1998**

New President, Hank Lopez, N2MSS, opened the meeting to 46 members and guests in attendance, at 1:25 PM. Hank asked everyone to introduce themselves, indicate their operational bands, and comment on their contest plans. Most stations said that they would be on during the contest. 144.250 will be the official NEWS Group Liason Frequency for our net, contests, and general use. Hank announced the formation of the Spectrum Committee, and asked for volunteers. The Committee will continue the work of the Northeast VHF Assn., which was incorporated into NEWS in 1996. The Assn. researched, accumulated information on and published Spectrum Coordination Plans (Band Plans) for the North Atlantic Region for many years. Mark Casey, K1MAP was elected the Chair the Committee with a unanimous vote. Next was our main speaker for the afternoon, Paul, WB8TSL. Paul presented a well prepared talk on buying used test equipment. He covered the popular makes such as HP, Tektronics and General Radio. Paul mentioned ways to get older manuals and catalogs, as well as pricing and sources for both equipment and documentation. Condition of equipment, repair, and calibration, was also covered. Thanks to Paul for a great presentation. A 30 minute break was taken after the speaker. Ron, WZ1V has receive a revised club call of K1YX. Ron will continue to try for W1RJA. Ron also mentioned that we will have a club multi-op station on for the June VHF Contest. Matt, KB1VC will be collecting club scores for the Jan. contest. Ron is still working on the trans-atlantic beacon which has been temporarily removed because of an interference problem with a local TV station at the Rhode Island site. Mark, K1MAP presented a revised edition of the NEWS 222 Band Plan for the North Atlantic Region and this was voted into effect unanimously. It was requested that Ten-tec, a maker of Ham gear and transverters be asked if they would be willing to extend their line to include a transverter for 222 MHz, and noted that Down East Microwave does have a 222 unit available. Hank adjourned the meeting at 4:00 PM.

Respectfully Submitted,
Mark Casey, K1MAP, Secretary.

BOARD MEETING JAN 3, 1998

Present: N2MSS, N2RDN, N1DPM, K1MAP, WZ1V, KD1DU, K1LXD and several more regular members Hank Lopez, N2MSS, our new president, opened the Board Meeting at 11:30. Paul, WB8TSL

will be today's speaker. We need additional members to enter the January VHF Contest in order to bring the NEWS Group into the Unlimited Category of 50+ entrants. Fred, N1DPM needs attendance for last year to make up a list of eligible members for the VHF Contest. Del, KD1DU, and Hank will take charge of the certificates for the contest. The Board agreed that 144.250 will be used as the NEWS Liason frequency during contest, for the weekly net, and any other activities. Fred noted that the club needs a contest co-ordinator. The Board agreed to have the secretary send a letter to QST publisher Mark Wilson requesting QST publish the VHF Band Plan. It was suggested that NEWS have a booth at the ARRL New England Convention at Boxboro for the purpose of publicizing the NEWS and ARRL Band Plans and to interest prospective new members. A Spectrum Committee will be formed. The Secretary, Mark, K1MAP, has an update of the 222 Band Plan, and will ask for interested members to join the Spectrum Committee, Hank adjourned the meeting at 11:55 AM.

GLENN, K1GVM SILENT KEY

It is with great sadness that I report Glenn, K1GVM, has become a silent key. Glenn was very active on the VHF/UHF bands and will be greatly missed by myself and others.

Apparently he had a fall in his home on Wednesday, and it broke his hip and back. Neighbors apparently found him and rushed him to the Brockton Hospital, but it was too late.

WB1FLD

Dave and others: I'm also very sad to hear this about K1GVM. Glenn was a great one to listen behind when he used to put his 2M EME array out on the horizon to the northeast. It was Glenn that helped me confirm almost every grid square in the Canadian Maritimes, either by helping on the air or taking trips to Nova Scotia to activate a rare one himself ! (many times during VHF contests). It was also Glenn that sold me one of his 432 rigs at a rock bottom price, just to help me get on the band. But he didn't stop there. He then made it a point to help me work new grids on 432 every time the band opened ! A truly selfless gentleman and a great elmer, he did more than anyone I know to help promote VHF activity between the northeast US and the Canadian Maritimes. Thanks for all the QSOs Glenn, I'll miss you old friend.

73, Ron WZ1V
of the incredibly low grid totals on 903 and 1296 (down 7 and 5 from last year). Haven't worked so few grids since 5+ years ago when I used to run 10 watts and antennas in the trees!

NEXT MEETING GUEST SPEAKER

ED HARE, W1RFI

"FCC RF-Exposure Regulations" (60 minutes) In early August, 1996, the FCC announced a rules change that could affect most Amateur Radio operators. Effective January 1, 1998, hams may be required to comply with FCC regulations on RF exposure. These regulations set maximum limits on the amount of RF exposure to hams and the general public that can result from Amateur Radio operation. Hams that use 50W PEP or more may be required to evaluate their stations before putting them into operation. ARRL Laboratory Supervisor Ed Hare, W1RFI, explains how and why the new regulations have been put into place, explains the Petition for Reconsideration the ARRL filed with the FCC and tells hams what methods they can use to determine that their stations meet the new rules. We don't want to give away the show, but Ed will explain how difficult field strength measurements are probably not required. He has a brand new slide show to go with this one. The Question and Answer session promises to be lively. Most hams have told Ed that when they left the presentation room, their station evaluation was finished at the seminar! Ed is bringing a portable computer and software and will be able to complete many station evaluations "while you wait." You can email (w1rfi@arrl.org) or call Ed at ARRL HQ (860-594-0318) with a description of their stations so Ed can make sure that your evaluation is covered. He will also sell copies of the new ARRL book, "*RF Exposure and You," 320 pages of solid information on all aspects of the topic.

All of these presentations include an open question-and-answer session Ed likes to call "Stump the Speaker." This is where the audience tries to think up questions he can't answer. The questions sometimes continue for quite some time.

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NEW CLUB CALLSIGN

K1YX

Bad news - we didn't get W1RJA. (K1YX was my second choice). I asked FCC Commissioner Weikert why not, and his reply is attached below. He is basically saying that I didn't follow procedure, despite the fact that I followed the EXACT instructions given to me from both the ARRL (Bart Jahnke) and another FCC employee. (This is, after all, the Government we are dealing with). I would like all of you to reply to me as to what, if anything, you expect me to do about this. Keep in mind, that if we re-apply for W1RJA, that, we will still have no guarantee of getting the call, since the FCC will now be making it available to all vanity call applicants nationwide. To re-apply will cost another \$50 and 2-3 months wait. If we lose again, we'll just lose \$50 but keep K1YX.

Comments? -sincerely, Ron WZ1V

TOM KIRBY MEMORIAL AWARD

Following the passing of Tom Kirby - W1EJ just prior to the 1996 meeting of the 22nd Eastern VHF/UHF Conference it was unanimously decided upon to establish the TOM KIRBY MEMORIAL AWARD as a remembrance of Tom's dedication and love for life, the conference and amateur radio in general. This memorial award will be presented annually at the Conference Banquet to a licensed radio amateur who embraces those qualities exhibited in Tom's life. Nominees, along with background supporting material may be presented to a committee which will select each years honoree.

Basic criteria that a candidate would have to meet to be eligible for the award are as follows:

1. The candidate must be a licensed radio amateur.
2. This candidates amateur's known primary interest is VHF/UHF and above.
3. The potential candidate must have or continue to positively promote this aspect of the hobby through:
 - A. Helping to promote activity on the amateur bands above 50MHz.
 - B. Creating and or maintaining organizations dedicated to VHF and above activity. This could include WWW/ reflector sites, conference activities, club involvement, newsletters, etc.
 - C. Technical expertise and assistance shared with other VHF'ers.
 - D. Energetic hard work in helping newcomers to the VHF community.
4. The potential candidate must also balance his helping hand with actual operating activity. This in itself will promote the evolution of VHF/UHF growth.

Supporting materials may be sent to Fred Stefanik, N1DPM at 50 Witheridge St., Agawam, MA. 01030 or Bruce Wood, N2LIV at 3 Maple Glen Lane, Nesconset, NY 11767.

HOW DID IT ALL COME TO BE? BY BRUCE WOOD N2LIV

As I sit and ponder in the shade of my great tower on the hill, I gaze off and often wonder where all the piles of aluminum, electric cable and components come from. How did it get here? Why are the open great spaces of my basement now cluttered with small passages through endless mazes.

As we all grow older with a little more aches and pains each day, and more nostalgic I think of our great amateur radio history here in the Northeast. But as I grow older I also tend to forget more of it.

Alas, Mr. Historian on his 266 MHz multi-media Pentium stead rides performing his digital display show bringing to us eons of history in both color and black & white. A fancy zip drive brings to us the past 25 years or more of radio growth from the mountaintops, to EME arrays and 10GHz and higher operations.

Is someone(s) with multi-media and scanner access interested in beginning to compile a digital history picture book of the "World above 50 MHz" as told through the Northeastern Amateur Radio Community. Photographs, live interviews, station layouts, antenna arrays of old and new to be told to the young and adventurous is yet to come.

Any ideas?

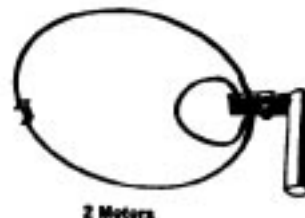
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Are you interested in VHF/UHF weak signal work? Have you look through handbooks of the various catalogs for suitable designs? Maybe what I offer is what you have been looking for. I make simple loop antennas for 6M up to 432 MHz. All aluminum construction, Small size ,Pre-tuned, Omnidirectional, Horizontal polarization, Adaptable to mobile or base operation

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CHECK IN TO PROMOTE BAND ACTIVITY AND OUR CLUB

NEXT N.E.W.S. GROUP MEETING MARCH 14TH AT THE HARLEY HOTEL
GUEST SPEAKER, ED HARE W1RFI, FCC RF EXPOSURE REGULATIONS

BOARD MEETING - From 11 AM to noon - open to all.

LUNCH BUFFET - At noon in the hotel restaurant.

MEETING - From 1 PM to 4 PM.

**Harley Hotel of Enfield, CT (FN31qx) (15 miles north of Hartford, I-91 to exit 49,
if Southbound left off exit - 1st right / if Northbound right off exit - 1st right).**

North East Weak Signal Group

**c/o KD1DU
Del Schier
126 Old West Mountain Road
Ridgefield, Connecticut 06877**

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ON THE MAILING LABEL!!**

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