



# N.E.W.S. LETTER



The Publication of the North East Weak Signal Group

NOVEMBER 1997

VOLUME FIVE

ISSUE FIVE

President: WZ1V Ron Klimas  
Vice President: AF1T Dale Clement

## CURRENT OFFICERS

Secretary: N1LZC Mark Casey  
Treasurer: N1DPM Fred Stefanik

## NEXT MEETING

**THE NEXT MEETING IS ON NOVEMBER 8TH, 1:00 PM AT THE HARLEY INN  
ALL ARE WELCOME TO THE DIRECTORS MEETING AT 11:00 AM  
SHOW AND TELL: BRING YOUR NEW PROJECTS TO THE MEETING**

## IN THIS ISSUE

<b>ON THE BANDS DE WZ1V</b>	<b>PAGE 2</b>
<b>MAY 1997 SECRETARY'S REPORT DE N1LZC</b>	<b>PAGE 2</b>
<b>FROM THE PRESIDENTS SHACK, DE WZ1V</b>	<b>PAGE 3</b>
<b>MAY BOARD MEETING, DE N1LZC</b>	<b>PAGE 3</b>
<b>SOME SEPT. 97 ARRL VHF CONTEST RUMOURED SCORES DE WZ1V</b>	<b>PAGE 4,5</b>
<b>8/15 AND 8/27,28 OPENING REPORT DE NB2T</b>	<b>PAGE 5</b>
<b>2M TRANSATLANTIC BEACON NEWS DE WZ1V</b>	<b>PAGE 6</b>
<b>SOME 10 GHZ EXPERIENCES AND OBSERVATIONS DE N1BWT</b>	<b>PAGE 7</b>
<b>SORRY IF YOU MISSED IT DE N2LIV</b>	<b>PAGE 8</b>
<b>SATURDAY SEPT 27 TROPO REPORT DE KD1DU</b>	<b>PAGE 9</b>
<b>FOR SALE OR SWAP</b>	<b>PAGE 9</b>

**NEWSLETTER ON THE WEB IN PDF ZIP FORMAT @ [HTTP://WWW.QL.NET/KD1DU](http://www.ql.net/kd1du)**

**THIS FILE FORMAT CAN NOW BE READ AND PRINTED  
WITH ADOBE ACROBAT OR GHOSTSCRIPT SHAREWARE**

**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>

The N.E.W.S. LETTER is the publication of the North East Weak Signal Group. Articles may be reprinted with proper credit given to the author and the N.E.W.S. LETTER. Articles can be sent to KD1DU, Del Schier, 126 Old West Mountain Road, Ridgefield, CT 06877 either hard copy, IBM compatible disk, via e-mail at [KD1DU@amsat.org](mailto:KD1DU@amsat.org), or faxed to (203) 637-6773.

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

What is it about VHF contesters that makes them want to leave the comforts of home to sweat and toil atop some remote mountaintop in some crazy attempt to assemble the right equipment and the right operators in a right enough place to come up with some kind of winning effort? Well, that's exactly what NC1I had in mind when he teamed up with KA1QFE, N1DPM, N1MUW, NC1B, and W1QA to haul four 1500 Watt stations housed in two Uhaul-type trucks with three high power generators, tower sections, masts, and large antennas to the top of a 1500' tree-less mountaintop in FN32. By the time I arrived shortly before noon on Saturday, they already had rotatable antennas up for 3 out the 4 bands. I brought along a couple of extra PCs for logging, and before you know it, the September VHF QSO Party had begun. I stayed on until about 11 PM, and in that time had the pleasure of operating the 6 Meter 1.5KW to 7 element station and the 222 MHz station consisting of a K1FO Lunar-Link legal limit amplifier feeding an AntennaCo 11 element yagi, watching Shawn NC1B rack up an incredible 2 meter score, sampling a healthy portion of John N1MUW's deli-style sandwiches, along with wild blueberries, lots of fresh air, and sweeping vistas from the Catskills in one direction all the way up to New Hampshire on the other. If this is crazy, count me in! Check out our score and photos in this issue.

August 26, 27, and 28 were great days to be QRV on the higher bands as tropo set in. Roger K2SMN FN20 and Bill AA2UK FM29 were active on the morning of the 27th when 2 Meters opened up to Florida! They worked stations in EM90, EL99, EL87 and EL88. Bob W1COT FN31 reported working 9 new grids on the opening including FM26, FM16, FM15, and FM14 on 222 and 432, as well as N4MW FM17 on 1296. On the 28th VE9AA FN65 and N1RWY FN54 worked 2 Meters to NG4C FM16, K1WW/4 FM15, W4FSO FM14, WD4KPD and K1WW/4 FM15, and W4TNV in FM05. Tom WA1MBA FN32 shares his experience with us: Wow, what a duct!!! WA1MBA worked AA2UK on the evening of the 27th with (are you ready for this?) 50 dB over noise signals on 10GHz and more than 40 dB on the other microwave bands. Some bands were 60dB out of the noise certainly into compression at WA1MBA...at one point MBA copied some of AA2UK with a quarter wave antenna in the \*Basement\* shack.

Aurora on 9/3, KM1H FN42 and I worked K8TQK EM89 and K8BHZ EN75. More tropo 9/20, K4QI FM06 was 59 on 432 and 559 on 1296 at WZ1V.

I'd like to report that Del KD1DU in FN31 is now QRV on 10 GHz with a tower mounted 1 Watt transverter to a 2 foot dish and has worked stations in five states in just the past few weeks on SSB/CW.

Dave Olean K1WHS of Directive Systems has donated a 5 element yagi to our W1RJA 2 meter transcontinental beacon club project. Thanks Dave! I'm still working on obtaining a tower site. We lost the window of opportunity on our first site. As of this writing, nothing is available on Cape Cod but Curt Jackson said he will continue to look there. I do have a new lead on a decent site in Westerly, RI thanks to Bob WA1ZPI and will continue reporting on any progress.

In other beacon news, Jim WA2UMH the proprietor of the 2 meter WA2UMX FN23 beacon has offered to install a 222 MHz beacon at the same site. Steve Kostro N2CEI of Down East Microwave Inc. has donated a 25 Watt 222 MHz PA kit to the cause which I have volunteered to build and marry to their exciter whenever they get it to me.

KB2ZVP FN22 runs a 6 Meter Net Tuesdays 7:30PM on 50.230. W2CCP FN32 runs a 2 Meter Net Tuesdays 8:00PM on 144.230. The 2 meter net features checkins from rare grids like VE2GTR FN38, VE2BKL FN48, and others. KB2ZVP and W2CCP occasionally swap nets.

That's all I have, gang. See you at the November 8 meeting and on the bands! Don't forget to check into our Thursday night net on 144.250 starting around 8:30pm local, KD1DU net control (WZ1V alternate). 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.

Looking for Ham/Engineering software or tech info? Try our Internet Webpage at <http://qsl.net/vhfnews> or subscribe to our NEW VHF E-mail Reflector at [newsvhf@qth.net](mailto:newsvhf@qth.net)

73, Ron WZ1V, internet email: [wz1v@connix.com](mailto:wz1v@connix.com)  
-50 through 3456 MHz.

## **SECRETARY'S REPORT NEWS MEETING** **JULY 12, 1997**

Great weather again for our annual outside summer meeting. 45 members and guests enjoyed a sunny day of tweaking, testing and socializing in the parking lot at the Harley Hotel. Plenty of cold soda was on hand along with quite a few microwave dishes.

The group arrived around noon and activity continued until about 5pm. This was a non-business meeting as usual for July and a good time was had by all.

Mark Casey, N1LZC Secretary  
[n1lzc@juno.com](mailto:n1lzc@juno.com)

## **FROM THE PRESIDENTS SHACK**

### **RON , WZ1V**

I hope everyone had a great summer. Another Conference has come and gone, and boy, it was a great one! Rae Bristol K1LXD said we had about 125 VHF'ers attending this year, and Stan Hilinski KA1ZE's idea about having an open Lab was a great success. I haven't checked with Mark Casey N1LZC, but it looked like we had a few more sellers in our Flea Market this year. I thought Joe Reiser W1JR did a fantastic job with the antenna measurement range this year, and there even a few "unusual" antennas brought for checking - like a homebrew bigwheel for 432 by K2VXO and an extended length 2304 looper by K1WHS. Thanks to everyone that pitched in to help or just attend, and check out some of our Conference photos elsewhere in this issue.

It's hard to believe as I write this that Fall is fast approaching. The September VHF QSO Party contest is just a few days away and I'm still not ready for it. I figure I'll use this contest to check out what really needs work for January. Speaking of that, N1DPM reminds me to pass along the ARRL's qualification criteria for club competition in the January VHF SweepStakes, which for us means:

1 - You must be a member in good standing who has attended at least two regular meetings in the past year, unless you're a new member who could only attend one because you just joined our club after the November meeting and our January meeting is your first. We do count the August Conference meeting, so for most of you that means the conference plus one other meeting qualifies you.

2 - You must operate within a 175 mile radius of our club meeting place which is the Harley Hotel in Enfield, CT. If you are not sure about this, contact N1DPM or myself for help. January is the only contest in which club competition is allowed, so we encourage all of our qualified members to chip in their score for the N.E.W.S. Group. In January 1997 we won the medium category with 44 logs and 2.2 Million total points - let's see if we can do even better in January 1998!

At our upcoming November 8th meeting I'll pass along a records plaque which we have already engraved with our club scores for the past 4 years, so everyone can see our clubs' contesting tradition. Something we can all be proud of, I'm sure. Our November meeting is also our Homebrewers' meeting, so you're invited to bring along any item(s) you've been working on or using for show-and-tell. If you are not a homebrewer it's also OK to bring an unusual purchased item you'd like to show off, or just bring yourself and look around. We'll attempt to provide extra table space for the occasion.

November is Election month, and we will be holding our club's annual election of Officers and Board of Directors at this

meeting. Please attend so you may have a say in these nominations and vote. Officer positions are one year terms and so all are up for nomination. I've already spoken with the current officers and most are willing to serve another term. I however cannot, even though it's been both a privilege and a pleasure to try and serve you this past year. I will continue to support this club as a member, but now it's time for some new blood to rule. Therefore You MUST nominate and elect a new President of N.E.W.S. November 8th. You can nominate either new candidates for the remaining officers, or simply nominate the existing ones for re-election. Same for the two expiring Board of Director's positions. Just to let you know about these, Rae Bristol K1LXD is willing to stay, and Hank Lopez N2MSS has expressed an interest in seeking an officer's position. So for example, if Hank is voted in as an officer, we'll need a new Board of Directors member. So then, we'll take nominations for officers first, you will vote for the ones of your choice, then we'll repeat the process for the Board positions. Finally, we will propose making the Editor of the NEWS-Letter an officers' (voting) position.

Hope to see you all November 8th. 73's 'til then, and I'll see you on the bands...

Ron, WZ1V, 50 - 3456 MHz

## **SECRETARY'S REPORT** **AUG CONFERENCE NEWS MEETING**

After a long day at the conference, President Ron Klimas brought the meeting to order at 5:00 pm. Ron noted that NEWS is now 4 years old and nearly 200 members strong. Ron announced that he would not be running for a second term as president. Members are asked to nominate candidates for all 4 Officer positions and 2 Board positions. Ron also proposed a change in the constitution to make the newsletter editor a voting officer. This will be voted upon at the next meeting on Nov. 8.

We will continue with plans for the club multi-op station in the future and hope to operate under the call W1RJA.

Mark, N1LZC outlined a 2 meter band spectrum management plan. This was approved 16-1. There will be an ongoing effort to refine this plan and to update the other VHF band plans as well. This is sorely needed in order that other groups with differing interests and modes are aware of what areas are being used in what ways. This plan will be published and publicized and input will be taken from interested parties.

22 members were present for this abbreviated meeting which was adjourned at 5:25pm.

Mark Casey, N1LZC Secretary  
n1lzc@juno.com



CALL	KC8CSD	K1LPS	KDOPY	N3KKM/0
GRID	EN81	FN34	EN41	EM28
CLAS	S	S	S	S
50	35/18	46/16	0/0	13/7
144	93/32	55/16	101/37	46/22
222	0/0	23/11	0/0	0/0
432	36/14	24/9	66/22	25/16
903	0/0	0/0	0/0	0/0
1.2	0/0	0/0	0/0	0/0
2.3	0/0	0/0	0/0	0/0
3.4	0/0	0/0	0/0	0/0
5.7	0/0	0/0	0/0	0/0
10G	0/0	0/0	0/0	0/0
24G	0/0	0/0	0/0	0/0
LAS	0/0	0/0	0/0	0/0
TOT	163/64	148/52	167/59	84/45
SCOR	12672	10140	9853	4905
CALL	KC8CSD	K1LPS	KDOPY	N3KKM/0

CALL	K9PW	W1VT	N8KWX	N0JK
GRID	EN52	FN33	EN62	EM18
CLAS	QRP	QRP	QRP	QRP
50	72/20	69/19	35/13	0/0
144	166/38	138/25	75/24	42/25
222	67/23	75/16	29/13	0/0
432	99/31	95/19	42/14	30/20
903	31/17	16/9	2/2	0/0
1.2	54/20	27/13	9/4	12/9
2.3	10/7	13/8	0/0	0/0
3.4	10/6	8/5	0/0	0/0
5.7	8/6	6/3	0/0	0/0
10G	7/5	7/5	0/0	0/0
24G	2/2	0/0	0/0	0/0
LAS	1/1	0/0	2/2	0/0
TOT	527/176	454/122	194/72	138/54
SCOR	171952	99064	21096	7452
CALL	K9PW	W1VT	N8KWX	N0JK



**KA1QFE AT NC11 CONTEST SIGHT**

ROVERS	Score	Totals	Grids	Bands	
AB4CR/R	253445	708/159	14	ABCD9EFGIJ	Ops AB4CR, W8ULC
ND3F/R	126228	656/108	8	ABCD9E	
W2FU/R	100000	??/?	?	?	
W3EKT/R	96051	638/101	4	ABCD9E	Ops W3EKT, K3IXD
K7XC/R	70000	?/98	18	ABCD?	
N1MJD/R	50869	414/80	11	ABCD	Ops N1MJD, N1JEZ
KA2CKI/R	48128	353/87	7	ABCD9E	Ops KA2CKI, KV2X
KF9US/R	37926	298/78	8	ABCDE	
N3LJK/R	35422	266/89	4	ABCD9EF	Ops N3LJK, K3YWY
W9FX/R	34780	270/80	14	ABCDE	Ops W9FX, N9BJG
N6DN/R	16785	373/38	7	ABCD	
WB9SNR/R	11760	108/50	6	BCD9EFGHI	
N1MU/R	3406	72/20	6	BD9EFGH	



**N1MUW AT NC11 CONTEST SIGHT**

**8/15 AND 8/27,28 OPENING REPORT FROM NB2T**

Lou reports on 8/15 144 MHz he worked KB2ZVP FN22, KE8FD EM89, N4KWX FM08, on 8/27,28 on 432 KH2CY/4 FM18 for a new grid, AE4TC FM17 for a new grid, K1WW FM15 for a new grid, WB4CGS FM17, KN4SM FM16 for a new grid and K1TR FN42 and on 144 KH2CY/4 FM18, K5MA FN41, WF4R FM16, N8XUR FM08, K1TR FN42, KN4SM FM16, W4FSO FM14, W4MVB FM16, WB4GCS FM17. It was a great opening form 9:00 PM to 12:30 on 8/27/97. Lou says he was sorry he did not make the conference.

## **2M TRANSATLANTIC BEACON NEWS** **BY RON KLIMAS, WZ1V**

The North East Weak Signal Group has activated the new W1RJA/B 2 Meter Transatlantic Beacon on 10/18/97 at 2015 UTC. On hand for the installation were the following people: Randy Christman KB2ZVP, who installed the antenna on the tower. Jeremy Thayer N1VDW, who assisted on the ground. Bob Knott WA1ZPI, who assisted on the ground and on the tower. Ron Klimas WZ1V, who assisted on the ground.

Donors include:

Rene Barbeau VE2UG, who donated the beacon transmitter,

Dave Olean K1WHS, who donated the 5 element yagi antenna,

Bob Knott WA1ZPI, who provided the tower site,

Ron Klimas WZ1V, who donated the hardline and power supply.

The main lobe is toward Europe and the Canadian Maritimes, with a -10 dB rear lobe to the southwest. The LOS view from the tower is approximately 20 miles. Bob Knott WA1ZPI has agreed to maintain the beacon.

Here are the specifications:

Callsign: W1RJA/B

QTH: FN41cj (southern Rhode Island)

Frequency: 144.282

Emission: A1 (amplitude keyed CW)

Power: 60 Watts

Feedline: 160' Cablewave FLC 12-50 half inch hardline

Antenna: 9.5 dBd 5 element yagi beaming 60 degrees azimuth

Height: 140 feet (43M) above base elevation of 130 feet (40M) ASL.

Editors note:

Ron also donated a great deal of time getting the beacon transmitter working and alot of leg work putting it all together.

I am hearing it averaging S8 off the back of it's antenna. It will be nice to have it in operation near the coast, I am sure I will find it useful and I hope it is heard in Europe. The only problem is it should have my phone number on it so the Europeans will call me when the band opens, Hi Hi.

73, Del



**ZACK LAU W1VT RECEIVES AN AWARD FOR ALL HIS HELP WITH NOISE FIGURE MEASUREMENTS**



**KA1ZE INTRODUCES STEVE POWLISHEN K1FO, WHO IS ABOUT TO GIVE THE SAM HARRIS W1FZJ MEMORIAL WAVEMETER TRIVIA QUIZ.**



**CHRIS FAGAS WB2VW TALKS ABOUT RECEIVERS AND DYNAMIC RANGE**

## **SOME 10 GHZ EXPERIENCES AND OBSERVATIONS FROM THIS PAST WEEKEND:**

My house is surrounded by trees roughly as high as my tower (~70 ft. or meters) and I don't have any 10 GHz stuff on top yet, partly because I wasn't sure it would get out well enough to be worth the effort.

During the VHF contest, KB1VC was on Mt. Wachusett, about 14 miles (23 km) away. I thought it was worth a shot, so I set up in a spot with no trees for a few hundred yards (meters), where the mountaintop would be about level with the horizon but behind the distant trees. I aimed the dish through the trees and put a carrier on. Matt located it, peaked his dish, then provided aiming feedback on 2 meters to peak my dish. Then he put a carrier on and I searched some more, and found signals were much stronger aimed at the top of the trees.

Now we were able to chat on 10 GHz SSB with strong signals. Then WA1MBA showed up, found the frequency, and finally found my weak carrier. We were able to make a CW exchange at 43 miles (69 km) with the mountain between us. Signals had a rain-scatter quality, but better tone than rain. A second grid square!

I then moved the dish to a lower spot in my driveway with trees about 100 yards (meters) away, where the mountain would be blocked even without trees. Signals still peaked with the dish aimed at the top of the trees, at least 15 degrees elevation. This elevation would miss the mountain completely, but we still had "S9" SSB signals.

### **SUMMARY:**

1. When blocked by foliage or terrain, try elevation. We've gotten over or around nearby mountains by pointing at the edge.
3. The most difficult part is signal acquisition. Even though these are good systems (1+ watt, 30+ dB antenna = >1 KW ERP), signals were weak at initial acquisition. You can't do this with a typical WBFM system (roughly 70 dB less margin).
3. I'm very encouraged, and planning on getting a tower system ready this winter. Now I know that elevation capability is important.

73, Paul N1BWT



**PAUL WADE N1BWT SETS UP A HORN WHILE LARRY K1LPS KEEPS PAUL WARM**

## **SORRY IF YOU MISSED IT**

The 23rd Annual Eastern VHF/UHF Conference was held this past August, 1997. Several new and exciting events transpired this year: the conference location was moved to the nearby Harley Hotel in Enfield, CT individual band sessions were eliminated and combined into one large session noise figure measurement sessions were expanded to include a fully equipped lab Approximately 120 amateurs attended the conference from the northeast area. Attendance levels were typical of previous years. The Harley Hotel offered an adjoining conference room and lab room making attendance of both sessions easy. The conference room served jointly as the dinner banquet room limiting space somewhat. The hotel also offered a moderate cost buffet style breakfast and lunch on both Saturday and Sunday.

Lectures ranged from operating techniques, receiver performance, microwave construction, microwave amplifier packaging, filter design and bandsession discussions. A 200 page plus proceedings was distributed and is available for purchase from the ARRL publications branch.

The lab sessions proved to be a major success and highlight of the conference. Most pieces of modern test equipment were present including power meters, noise figure meters, IFR's, scaler and network analyzers, and signal generators. In addition to the excellent equipment, volunteers were present to help demonstrate the use and to assist others. Many people walked away with functioning radios, fully tweaked for performance. Also, demonstrations of brass wall construction, mounting chip components, debugging DEM equipment, network analyzer and others were scheduled throughout the day.

The dinner banquet included a scrumptious meal, the "Sam Harris Memorial trivia Quiz administered by Steve, K1FO and the distribution of a wide selection of door prizes. Sunday hosted the traditional flea market and antenna measurements, complete with antenna pattern plots.

The institution of the Tom Kirby, W1EJ memorial award. Tom was an active member of the conference and a past president of many years. He passed away before the 1996 conference. The first years award was presented to Bill Olsen, W3HQT with Dave, K1WHS accepting for Bill's work in furthering VHF-UHF activity through his Down East Microwave products. See future newsletters for further information on this award.

The flea market contained more sellers than in the past with all dedicated to VHF/UHF and above. Although small by some standards the quality is what counts.

So put aside the 3rd weekend in August of 1998, think about presenting a talk or submitting a paper for the proceedings. See you next year.

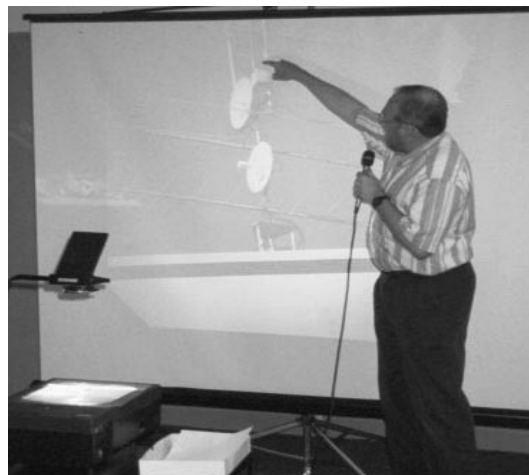
Bruce N2LIV



**FRED STEFANIK N1DPM GIVES  
AN AWARD TO DAVE OLEAN K1WHS.**



**STEVE KOSTRO N2CEI AND SANDY FROM  
DOWN EAST MICROWAVE INC. HELP CUSTOMERS**



**TOM WILLIAMS WA1MBA DESCRIBES  
HIS TOWER-MOUNTED MICROWAVE SETUP**



## **SATURDAY SEPT 27 TROPO REPORT DE KD1DU**

What a night, I missed the morning and the opening on, but last night was great. I stayed up until about 2:00 AM and it was still going. Some of what I worked:

N8ZJN EM75 144, N9LR EN50 144, N0IS EM48 222, WA8RJF EN81 222, N9LR EN50 222, K9IMX EM38 144, K0DOK EM48 144, KE8FD EM89 903, KE8FD EM89 1296, KF4KBP EM97 144, K0LW EM28 144, KB8ZMJ EM99 144, KB0YIA EM47 144, N0QXC EM27 144, WB9VTF EN52 144, WA8LXJ EM88 144, K8TQK EM89 222, WA8LXJ EM88 222, K8TQK EM89 903, K8TQK EM89 1296, AA4FQ EM67 144, K8TQK EM89 432, N8CJN EM79 432, AA4FQ EM57 222, N8XA EM79 144, WZ8D EM79 144, WA1MKE/9 EN70 144, WB9UWA EN50 144, KB4EBP EM78 144, W0GR EM38 144, W0BBU EM28 144, W0JRP EM27 144.2 KB9LCJ EN50 144, K8RYU EM99 144, N9PEZ EN50 144, WB9DRB EM68 144, K8RYU EM99 432, K8RYU EM99 903. K8RYU EM99 1296 K8MD EN82 144, AA9D EN52 144, WB9SPT EN71 144, WA8YUZ EN82 144, KA9UZW EN52 144, WA9JML EN51 144, KC8CSD EN81 144, K8MD EN82 222, N8ZJN EM79 222, N8XA EM79 222.

One guy said he had been trying to get Connecticut on HF for awhile and he never expected to work it on 2 meters. A bunch of these were new grids especially 222 and above, looks like I am going to be sending out QSL's for awhile. Hope you caught this opening and had a good time I know I heard WZ1V and WA2TEO in there for awhile.

73, Del  
KD1DU

## **FOR SALE OR SWAP**

**FREE NEWSletter FOR SALE SPACE** You guys could send me some for sale or swaps, I am sure there is something collecting dust somewhere in your house. Send to: Del Schier, KD1DU, 126 Old West Mountain Road, Ridgefield, CT, FAX TO: (203) 637-6773 OR EMAIL: KD1DU@AMSAT.ORG

## **DOWN EAST MICROWAVE**

**MANUFACTURERS AND DISTRIBUTORS OF VHF/UHF/SHF EQUIPMENT AND PARTS 50 TO 10,368 MHZ**

- MICROWAVE LOOP YAGIS
- VHF/UHF YAGIS
- NO-TUNE LINEAR TRANSVERTERS
- LINEAR POWER AMPLIFIERS
- LOW NOISE PREAMPS
- COAX RELAYS, COAX CABLE, CONNECTORS
- CRYSTALS, CHIP COMPONENTS, MMIC'S, TRANSISTORS, RF MODULES

STEVE KOSTRO, N2CEI, 954 RT. 519, FRENCHTOWN, NJ. 08825  
PHONE: 908-996-3584, FAX: 908-996-3702  
WEB PAGE: [HTTP://WWW.DOWNEASTMICROWAVE.COM/](http://www.downeastmicrowave.com/)

## **DIRECTIVE SYSTEMS**

ANTENNAS AND ACCESSORIES  
NOW FEATURING THE K1FO 17' BOOM YAGIS FOR 144, 222, & 432 MHZ!  
DAVE OLEAN, K1WHS, RR1, BOX 282, LEBANON, ME. 04027,  
PHONE: 207-658-7758

## **SHF MICROWAVE PARTS COMPANY**

COMPLETE LINE OF 10GHz AND 24GHz GUNN SOURCES PLUS HORNS AND 12" DISHES  
ALAN, WA9GKA, 7102 W. 500 S., LA PORTE, IN, 46350 EMAIL: [prutz@shfmicro.com](mailto:prutz@shfmicro.com)

**N.E.W.S. GROUP NET EVERY THURSDAY**  
**8:30 PM LOCAL 144.250**  
**KD1DU IS NET CONTROL WITH WZ1V AS ALTERNATE**  
**CHECK YOUR 2 METER RANGE, WORK NEW GRID SQUARES**  
**NET CONTROL WILL COORDINATE MICROWAVE QSO'S**  
**CHECK IN TO PROMOTE BAND ACTIVITY AND OUR CLUB**

**NEXT N.E.W.S. GROUP MEETING NOVEMBER 8TH AT THE HARLEY HOTEL**

**SHOW AND TELL: BRING YOUR NEW PROJECTS TO THE MEETING**

**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**

**CHECK YOUR MEMBERSHIP EXPIRATION DATE  
ON THE MAILING LABEL!!**

**FIRST CLASS MAIL**