



# TRAFFIC CALL

December 2003 - January 2004 No. 265-266

Newsletter of the Ben White Memorial Nets ~ Founded 1938 by Ben White W4PL

<http://hitandbounce.net/index.html>

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Hit and Bounce Net Daily 8:30 AM ET 7042 KHz (Alternate 7114 KHz) Hit and Bounce Slow Net Daily 7:30 AM ET 3714 KHz  
HBN please use alternate frequency on CW contest weekends.

Larry Frazer W4SUS Award  
W2MTA

January - March

*People come into our lives and pass through swiftly. A very few come into our lives and remain forever in our hearts. Larry Frazer was one of the very few. - Jack K2GWN*



The Larry Frazer, W4SUS Award Committee has chosen Bill, W2MTA as the next recipient. Bill has been with HBN a long time and has really helped out as NCS. He brings a great deal of traffic knowledge to the net. Congratulations Bill !

*John, K8LJG, Harry N3DE, Don WA3UNX  
Award Committee*

## Manager's Comments Hit and Bounce Net

As usual, you arfers never gave up. In November sixty-two stations checked in and braved the band "elements", listed 393 pieces of traffic and cleared 334. QNI 568, average time per session 30.1 minutes. Thanks to everyone who joined us, once, twice or however many times. You are appreciated.

*Top dawgs QNI and QTC - see page 5 .*

We have three new stations. N3ANQ, John in VA; KB8NOD, Ron in OH, WB4FLT, Jim in VA and KB5GXD, Angelo in MO. Last month I failed to acknowledge N2ULY, Paul in NY. Welcome to HBN.. N9KHD, Andy, welcome back! We missed you.

**Arfer news: NG1A** is back with us. His new address is 90 Antwerp Street, Milton MA 02186. We're glad you're back, Fred.

**WB8KPE** has moved and looking for a way to set up his shack in the apartment. His **new address** is 2546 National Rd., Apt 207, Wheeling, WV 26003-8303.

**New Adr: K4MC** RB Corns, 4801 Edwards Mill Rd., Raleigh, NC 27612 and **WF1M** Robert T Allan, 816 County St A12, Taunton MA 02780-3736

**K8KV's** station has all band capability including **30 meters**.

**Good news...**Ad, **NR9K** is doing fine now and in good spirits.

**WA3DUH:** Following is from email I received from Jim's son (WA3DUM, Jim VI): [Jim,WA3DUH] "has had prostate cancer for some years and it has now spread to the bones and possibly the bladder. His rig is downstairs and going up and down steps is impossible at this time. He will be off the air for some time.

WA3DUH is currently in hospital facing surgery, radiation and chemo. The situation is not good. But he wants to be remembered to each of you and he misses the net and all of the check-ins terribly. Please say "hi" to all members for him! Sincerely, Jim Hicks WA3DUM". To send a card or letter: James Hicks WA3DUH, 217 W Ayre St., Newport, Wilmington, De 19804.

*More arfer news on page 7.*

Best wishes in the New Year.

73, ARF -Sis

## RANDOM RECOLLECTIONS OF AN OLD HAM

- Bill W2MTA

### Geo gets to go abroad and meet the big boys.

*A journalistic history of the life and times in Amateur Radio of George Hart, WINJM - by George Hart WINJM*

### Part 10 -MY FIRST "HAMFEST"

I attended my first "hamfest" during this period. I don't recall just when, but it was in Allentown and Ed and I went together. Every person entering was given a whistle and exhorted to get acquainted by blowing Morse 'Code on the whistle. The place was a bedlam of whistles. I made a few acquaintances myself using this method -- hams I had contacted on the air but had never met personally. One was a ham from Bethlehem with whom I'd had several voice contacts during the weeks that Ed and I had experimented with loop modulation. He was a smooth talker and often mentioned "his girl," so I envisioned him as a handsome young swain of a wealthy family. But the man I met at the hamfest was a cripple in a wheel chair, quite young but very sickly-looking. It was a shocking and embarrassing confrontation, and I'm afraid I must have shown it. Future experience has shown that more often than not the hams you met in person after long acquaintances on the air are nothing like you envisioned.

I also at this hamfest met W2ZC, a high-speed operator who made the trip from Little Silver, NJ, on his Indian motorcycle.

W2ZC had been a commanding signal which boomed high speed code over the air, and I envisioned him as an older man with a mustache and a commanding manner. But he turned out to be a slender young man about Ed's age. He gave a demonstration of sending on a Vibroplex "Bug" with all the weight removed and still maintain accuracy. I was greatly impressed. He invited anyone in the audience to come up and try it. I had received a Vibroplex key for Christmas and had spent many hours practicing on it so my sending speed was high -- but I had never tried it with all the weights removed. I stepped forward and gave it a try, and after a few faltering attempts, managed to send W3NF and CQ on the weightless bug.

"By God, the kid's got it!" exclaimed W2ZC. It was a high point in my ham career up to that time, probably circa 1930.

The Allentown hamfest consisted of perhaps a hundred hams, but it was my first experience at that kind of gathering and I greatly enjoyed it. So when a couple of local hams with whom we had become acquainted suggested we attend a much larger ham get-together in Livingston, NJ, I urged Ed to accept the invitation. He said we might go, but we'd use our own transportation -- meaning the little red flivver. When the time arrived, however, he said he had decided not to go, but no reason I couldn't if I wanted to. I was only a kid of 16, but by this time I had started getting out from under the yoke of Ed's tyranny. I called John Laughlin, W3AOD, and asked if I might go with his party. He said sure, but he wouldn't be driving. Another ham, whose name and call I

have completely forgotten, would be driving his Packard sedan and a couple other hams I didn't know would be passengers also. They were all older men and a little doubtful if a "kid" would be a suitable additions to the group. but finally assented. They picked me up at our house one Saturday afternoon and we were off. The big Packard was running on only five of its six cylinders, but the driver, a man about 25 and apparently well heeled, (wish I could remember his name and call) asserted that the engine would run well enough on five cylinders, and he'd have it looked into when we returned. This caused my first qualms about accepting a ride with practically strangers.

We had no sooner crossed the river and were beyond Phillipsburg when the driver produced a bottle and passed it around. I was appalled. They didn't offer it to me, said I was too young to drink, but I began to see what kind of trip this would be. Prohibition was still in effect, but it wasn't very well enforced and almost anyone could acquire liquor. My family had a long history of abstinence. I'd had no experience whatever with liquor but was quite well aware of what its effects might be. During the trip to Livingston, the bottle was passed around several times, and by the time we arrived, neither the driver nor the other passengers were "feeling any pain." I had become quite apprehensive, but they kept assuring me that they could "hold their liquor" and I was in no danger.

When we arrived at the hamfest I found myself among complete strangers and wished I had not come. The usual whistles were prevalent, but not so much so as they had been in Allentown. I saw no one I knew or had even heard of except my drunken fellow passengers and F.E. Handy, W1BDI, and Ev Battey, W1UE, from ARRL headquarters in Hartford. I had never met either of them personally, had contacted W1UE on the air and knew of Handy as the ARRL communications manager; but they were surrounded by others trying to get their attention and I didn't feel I dared approach them. There were perhaps 300 in attendance, and again I was negatively impressed with the amount of drunkenness. When the program finally started it turned out to be a discussion of politics as it concerned amateur radio. Members of the audience kept interrupting the speakers and sometimes coming to the podium to make remarks to all in general. Much clapping, whistling, booing, and general pandemonium. Handy and Battey each had their turn on the podium but neither said much and I could see that they were generally disgusted with the conduct of the forum. It eventually broke up. I wanted nothing so badly as to get out of there, but my companions wanted to "stick around for more fun."

It was quite late when we finally got back on the road, the driver (I'll call him Bill) seemingly not so drunk as the others, the Packard still firing on only five cylinders. We had to stop twice to let one or more of the passengers out to throw up. Bill seemed less drunk than the others and very sympathetic to their illness. He even threw a backward glance at me as though to say, "Sorry about all this." The inside of the car started to smell of vomit and I started to feel a little sick myself. The whole disgusting experience taught me never again to put myself in the hands of strangers without a means of extracting myself.

*Next in Part 11. The Great Change.*

#### **QUERY -KA5NNG**

Do any of our ex-military operators know how or when the "separation signal" would have been used? The signal is shown in a couple of old CW lists I have, and is given as .-.- (ÄÜ or RÄ). The MARS operators had a separation signal that was sent as .. .. (I I), and I wonder if the other separation signal was just an earlier version of that ?

#### **A LONG-DELAYED ANSWER:**

Several years ago, Don N3COR asked if anyone had ever tried to teach CW by grouping the letters into all dot characters (E, I, S, H) and teaching those first, and then the all dash characters (T, M, O) etc.. Well, I was recently given a xeroxed copy of one of the Candler System code courses, and that is exactly the way it was set up; and since that method was popular, I would assume it worked well Don. -Mike KA5NNG

#### **DAYS GONE BY ... KA8WNO**

Our 20 guys were put aboard a military airplane in Naples, and we began the flight back to England. We flew west to some place off the French coast, then across France, the English channel and landed at an airport about 20 miles north of London. This was probably the Heathrow airport. From there we were taken by bus to London and put up in temporary quarters until we could make arrangements to return to our ship at Plymouth. I had more seniority than any of the other fellows and was put in charge of the group. We stayed in London a day or two. A couple of the men wanted to stay in London for a few more days, but I said, "no, we have to get back to Plymouth. (These two guys were rowdy and excessive drinkers). So, I made the arrangements and we boarded a bus to our ship. The next day, our ship left England to return to the states!!

We arrived in Charleston, S.C. about 12-14 days later. All of our bunch were given two weeks leave. Just before the leave was up, we got notice to report back to

our ship, which had sailed to the Naval Base at Norfolk, VA. This was in the summer of 1943, I think.

Leaving Norfolk, we sailed south, then west across the Gulf of Mexico to the eastern end of the Panama Canal. It was a memorable trip to the west end of the canal. The canal locks raise the ships a lot of feet, and then we entered the Gatun Lake, going across it to the western exit, a distance of a few miles. The vegetation made one think we were deep in the tropics. Then a lock or maybe two, to let us down to the level of the Pacific Ocean. At this entrance to the canal is the city of Colon. We stayed there for maybe an hour, possibly to take on fuel, the continued sailing west. In something like two days we arrived at Oahu and entered Pearl Harbor, where we were transferred to temporary quarters at Iaea, a small town a short distance from P. Harbor.

*Info on the following was submitted by Cal, Ron, (MIY) Jim (SIW) and Garie (KFJ).*

#### **INTERNATIONAL MORSE CODE GETS NEW ITU HOME, NEW CHARACTER**

The 2003 World Radiocommunication Conference (WRC-03) may have eliminated the treaty requirement for prospective amateurs to demonstrate Morse code proficiency to gain HF access, but the International Telecommunication Union (ITU) hasn't forgotten Morse code altogether. In Geneva on December 5, the ITU Radiocommunication Sector (ITU-R) Study Group 8 agreed on the wording of a Draft New Recommendation ITU-R M.[MORSE] that specifies the international Morse code character set and transmission procedures. It also includes a new Morse code character to cover the "@" symbol used in e-mail addresses.

Once it's made available in English, French and Spanish, the draft new recommendation will go out to ITU member-states using a new procedure for simultaneous adoption and approval. On December 3, the draft new recommendation won the approval of Working Party 8A, which is responsible for the Land Mobile and Amateur services.

Within the ITU, the international Morse code has been defined by the Telecommunication Standardization Sector (ITU-T), which is responsible for the public telephone and telegraph network--mostly landline. A couple of years ago, the ARRL pointed out to the US delegation to the ITU Radiocommunication Advisory Group that Morse code's role more properly resides in the radiocommunication realm, not wire, and should be the responsibility of ITU Radiocommunication Sector (ITU-R).

The transfer was agreed to, and International Amateur Radio Union (IARU) President Larry Price,

W4RA, proposed the draft new recommendation at the November-December Working Group 8A meeting. The draft new recommendation is almost unchanged from its ITU-T text. "No one wanted to disturb something with more than 150 years of history," said ARRL Technical Relations Manager Paul Rinaldo, W4RI.

*ITU cont.*

To keep up with the times, however, the IARU proposed adding a new character--the commercial "@" or @ symbol--to permit sending e-mail addresses in Morse code. The draft new recommendation proposes using the letters A and C run together (A..C) to represent the @ symbol.

While the draft new recommendation is still a working document, its expected to become a Recommendation within six months or so, pending approval by member-states.

#### **OBIE'S RUDE AWAKENING....**

I had a rude awakening on Saturday morning, December 13. I'm not superstitious, but thinking back on the date, it did make me wonder.

The bedroom is adjacent to two outside heat pump compressor units, and I sleep soundly despite their nearly constant hum and "whoosh" throughout the night during the winter months as they struggle to keep our house warm. At 7:17 a.m., the constant hum and "whoosh" fell silent and the sudden change awakened me a few seconds prior to the beep-beep-beeping of the UPS that I use to keep my computer running in the event of a power outage.

For those who are unaware of what a UPS is, it is an Uninterruptible Power Supply. Thanks to the marvel of electronics, the average homeowner can enjoy uninterrupted AC power, in short-lived capacities, provided by a battery source and an inverter, which "chops" the low-voltage DC and transforms it to 120 vac, not necessarily sinewave AC voltage, but AC voltage nonetheless, and good enough for most relatively new electronic devices. UPSs have been in use, in one form or another for the past half-century, but in recent years, they have become available in 300 VA and 500 VA capacities for less than a C-Note (\$100). My XYL has one for her computer, I have one for my computer, and our two automatic breadmakers share one UPS since a power outage in the middle of a breadmaker's baking cycle means a ruined loaf or two of bread. Not that a ruined loaf of bread is worth the investment for a UPS, but it is an inconvenience when you plan for bread and it isn't available (we don't buy bread from the store - we bake 100% of what we need at home, most of it using a breadmaker).

Several years ago, I decided to buy a UPS for my station, with enough capacity to power the rig (100W), a TNC, a remote antenna selector, and a 1994 486SX-25 PC, but not its monitor, which is a power-hungry device.

In receive, the rig consumes less than 50 watts, but in transmit it consumes nearly 150 additional watts for 100 watts output. The TNC consumes around 10 watts, ditto for the remote antenna tuner, and the PC probably consumes around 80 watts, all told around 300 watts. A watt is not a VA (Volt-Ampere), but without going into a discussion of power consumption in a pure resistance versus power "consumption" in a reactance or an impedance, generally speaking they are interchangeable for calculating what size UPS is needed for what size device or devices.

I decided that a 300 VA UPS would probably do fine since all I was trying to do was to keep my station on the air during any of the hundreds of brown-outs or black-outs that we country folk suffer throughout the seasons. You never know when they are going to occur.

It may be in the middle of cooking dinner, or eating dinner (and that's a good excuse for a "candlelight dinner"), but it may also occur in the middle of that all-important net, whether as participant or as director.

As NCS, I need to know that I can stay on the air, regardless of what the electric company delivers to my house, and since my rig is not powered by 12VDC as most modern rigs are, I needed either a generator at an arm's reach or a UPS. I have a 5.5 kW Honda generator, but for intermittent, unplanned outages, I have found the UPS to be much more convenient.

Recently, looking through an office supply catalog, I discovered that I could purchase a 500 VA UPS on sale for \$69.95 with free shipping.

Since I paid the same thing five years ago for a 300 VA UPS (without free shipping), I decided it was time to upgrade. I have been using the 500 VA UPS now for several months and it has proven itself on more than one occasion, keeping the radio on while the power went off. As I said above, these devices can deliver short-lived capacities of 120 vac, up to 20-30 minutes, depending on the current demanded by the load and the overall efficiency of the inverter circuitry.

On Saturday morning, I look forward to NCSing the Hit and Bounce Net, but on December 13, I dreaded having to resort to using a UPS to run the entire net. At 7:18, one minute after we lost power, I ran down to the basement where the "shack" is located, holding a flashlight to lead the way, and turned off the UPS for the rig so that it would only be turned on when the net began, to conserve its limited supply. A UPS will turn on whether or not there is a current drain on its output. To keep the UPS "fully charged" for an event such as this

one, it would be necessary to keep it turned off until needed. A UPS is a good back-up device for intermittent, short-duration power outages. It is not meant to replace the AC such as a generator is capable of doing.

By 8:25 a.m., the power had been off for more than an hour and the phone call to the power company didn't reveal a quick resolution to the power outage. At 8:28 a.m. I turned on the UPS, and only the remote antenna switch and the rig, to conserve power. I immediately sent a QNC asking for a QNG and explaining my problem. There were no takers, so at 8:30 I started calling the net. Things went well, but without an overhead lamp to illuminate my NCS sheet, I had to hold a flashlight in my left hand and run the paddle and the pencil with my right hand. Jack, KA8WNO, has indicated to me that he keys with his right hand and writes with his left hand. Such talent! I confess that I am dextral and not sinistral, thus I am limited to doing most things with my "north paw".

By 8:50 a.m., I heard beeping from the UPS each time I hit the paddle and I looked down to see a yellow and a red flashing light replacing the normal green lamp. That was my first indication that I was running out of juice. By 8:51 a.m., I could only send one character before the UPS shut down. I kept resetting it, it came on and I could send one more letter, but I kept trying to send "QNG" and all I got out was "Q", so in desperation, I ran upstairs and unplugged the UPS used for the breadmakers. Although it was just a 300 VA UPS, I figured I could finish running the net since I only needed another 10 minutes or so to be QNF. Of course there was a two or so minute lapse in between my last "Q" and my next "HBN DE WA4DOX QNI". The net didn't totally fall apart, thanks to the professionalism demonstrated by the net's participants - thank you!

With my signal back on the air, I was able to continue the NCSing and the second UPS held up better than expected, but when I connected the second UPS to the rig I did one thing I should have done before calling the net in the first place. I reached forward and turned the RF power control down from 100 watts to 50 watts. After closing the net, I continued chatting with Jim, WB8SIW, explaining my situation and all of the things that transpired during the net. While chatting with Jim, I

turned the RF power control down from 50 watts to 25 watts and even after 20 minutes the second UPS was still singing like an opera star. If I had started the 500 VA UPS using only 25 watts, it may have lasted 45 minutes - maybe longer. Next time, I will remember that with a limited source of power to limit my use of power to extend the limit to as long as possible.

If you are running a rig which requires 120 vac and doesn't consume 300-400 watts of power to heat filaments, etc., you may consider purchasing a 300 VA to

500 VA UPS the next time you see one on sale. Even if it only keeps you on the air during a five minute power outage, you may be thankful that you got to use those five minutes and didn't have them taken away by the power company. I'm sure glad I did!

73, OBIE • WA4DOX

**HAPPY BIRTHDAY!**

<u>JANUARY</u>	<u>FEBRUARY</u>
12 KK3F	1 AF4QZ
16 N3ON	1 WA3JXW
20 WA2YL	1 WD8DIN
23 KA5NNG	8 WA1KKP
25 K8KV	22 WA3QNT
25 AA8PI	24 W8BEZ
28 W3KOD	27 N3COR
28 W3QQ	

**TOP TRAFFIC DAWGS:**

KW1U 50, KA8WNO 45, WX4H 43, K8LJG 37, N4ABM 26, KX8B 26, N3QA 19, KK3F 16, W2MTA 12, WA2YL 12, K4FUM 11, N1OTC 11, WA3UNX 10, WA4DOX 10.

**TOP QNI: K4IWW 30,** KA8WNO 29, W2MTA 29, WX4H 27, N4ABM 25, KX8B 25, VE3DTR 20, WA3UNX 19, AA4AT 19, KK3F 18, W3JKX 17, K8LJG 16, WD8DIN 15, K3NNI 13, AB4E 13, K8KV 12, W8RTN 11, N2ULY 11, K4FUM 10, K3RC 10.

**Treasurer's Report – HBN/HBSN  
Ole, N4ABM, Treasurer**

Balance Oct 27/03		137.68
	Pd Jun/03 TC pr Nov 4/03	58.34
	Pd Jun/03 TC po Nov 4/03	37.00
Balance Nov 4/03		42.34
Nov 26/03	K2GWN	5.00
Balance Dec 4/03		47.34
	Dec 2/03 AB4E	20
	Dec 10/03 WA2CUW	20
	Balance Dec 31/03	87.34

When making contributions, please make checks payable to Merritt W. Olson, 12106 Stirrup Rd., Reston, VA 20191-2104.

Your contributions are greatly appreciated.  
Thank you, Tom, Zoo and A B

**AN EXCERPT FROM WINJM's HOLIDAY SEASON  
NEWSLETTER TO FOLKS**

Submitted by W2MTA

Dear Family and Friends:

On this Christmas season of the third year into the 21<sup>st</sup> century A.D. I pause to look back and take stock of events past. But first I wish to offer greetings of the season to you all -- so you can skip the rest of this diatribe if you are not interested in past personal histories. May 2004 treat you well and keep you happy and healthy. We may wish for more than that, but as for myself it will more than suffice.

I am 90 years old and never expected to live past 80. Jan. 1, 2002, found me ensconced, as usual, in my comfortable little house right here at 66 Highland, in good spirits and good enough health. I have survived major surgery and a month rehab at Avery Heights nursing home, where I spent Christmas and New Year's Eve alone. Louise is a resident at Avery Heights, receiving the very best of care.

In March I put the finishing touches on my 4th major writing project since my retirement in 1978. "Random recollections" is now running serially in an amateur radio journal (and TC).

The first project, a biography of my father Edward Hart, Ph.D. was finished in 1982, then I finished "Four Years" in 1987, "Officers, Dismissed!" in 1994. In between times I wrote shorter works and lots of letters, profile biographies, reminiscences, whatever came to mind. You may be in some of them. Writing now is harder because of failing eyesight.

My 90th birthday was spent alone right here at home. I've never made much fuss about birthdays, this one turned out somewhat differently. It seems that ARRL, where I worked for 40 years, put out a newsletter on their website with my picture and a biographical sketch, to our 150,000 members. I knew nothing about it. A few days later when I checked my E-mail I found 64 messages of congratulations, and many more followed. Then at a QCWA meeting I attended a few days later I was feted by the assemblage. It was the best birthday I ever had.

**ANOTHER OPINION ABOUT IARU's  
PROPOSED @ CHARACTER:**

I say give them a pay cut for extending the time it takes to send "AT".

You know what the opposite of "progress" is? "congress".

Rather than the IARU making such a ridiculous proposal, let's let the traffic handlers decide.

The question on the floor is:

1) In as much as Radio Amateurs have a limited amount of time to enjoy their participation in the hobby and

2) In as much as Radio Amateurs who handle radiogram traffic, do so in the most expeditious and efficient manner possible, therefore

3) Would a traffic handler rather spend more time sending "AC" as a single character to represent the character "@", which is defined as meaning the word "AT", which is normally sent as two characters or

4) Would a traffic handler rather spend less time sending "AT" as two characters, to represent the character "@", which is defined as meaning the word "AT"?

*That @ character cont...*

I know what my choice would be.

Don't obfuscate.

Don't make it take longer to send something that would normally take less time to send, and would require no thought at the receiving station as to what was sent.

Another valid reason?

Other than the slant bar, dah-di-di-dah-dit, radiograms do not contain any form of punctuation.

That's the beauty of traffic handling - simplicity.

wa4dox@arrl.net is sent as WA4DOX AT ARRL DOT NET

http://www.arrl.org is sent as HTTP COLON // WWW DOT ARRL DOT ORG

The only punctuation we use, the "/" is all that is necessary to convey the exact meaning.

Avoid obfuscation - at all costs!

73, OBIE...

**The Continuing Saga of "Where it's @"**

- Bill W2MTA

Thinking back to the dissertation in May 2003 TC, promoting AK/ANT/PT for @ and July TC view of WB8SIW and/or WA4DOX supporting plain, old AT for @; we now have the IARU view as expressed by W4WXA in e-mail to the NREN CHOP AA8VS: "the IARU proposed adding a new character--the commercial "at" or @ symbol--using the letters A and C run together (.-.-.)to represent @ symbol." <http://www.arrl.org/news/stories/2003/12/10/2/?nc=1>

**Ah, retirement.....** I have officially retired and will enjoy every minute of it when I fully recuperate from this "bug" that has plagued me for a couple of months. A big thanks to everyone who filled in for me and to Will and A B for the QSPs.

I'll have a yearly total for top traffic dawgs ASAP.

-73 ARF -Sis

**HBSN NOVEMBER REPORT**  
**QNI - 288 QTC - 65 Sessions 30**

CALL	NAME	STA	QNI
AB1AV	BILL	NH	10
KC1DI	DAVE	ME	4
W1KX	BILL	ME	5
WA2CUW	TOM	NJ	7
KG2HA	SAM	NY	24
W2MTA	BILL	NY	30
W2UE	LYNN	NY	1
N2ULY	PAUL	NY	3
K2VX	DAVE	VA	3
N3AO	CARTER	PA	3
N3DE	HARRY	MD	1
VE3DTR	JOHN	ON	24
WA3DUH	JIM	DE	6
KK3F	PAT	MD	1
AA3GV	ERNEST	MD	1
W3JKX	EARLE	EPA	12
WA3JXW	DUDLEY	EPA	6
N3ON	CHUCK	WPA	20
N3QA	CAL	MD	1
W3QQ	CID	DE	30
N3SW	SCOTT	PA	6
WA3YLO	TONY	MD	3
N4ABM	OLE	VA	1
WA4DOX	OBIE	VA	1
W4VLL	VIC	VA	4
KX8B	CHUCK	OH	27
WD8DHC	MIKE	WV	8
K8KV	BEN	MI	1
NR9K	AD	EPA	25
N9KHD	ANDY	WI	20

**HBN QNI NOVEMBER**

CALL	NAME	STA	QNI	QTC
NG1A	FRED	MA	4	0
K1BTD	KEITH	CT	9	1
KC1DI	DAVE	ME	6	0
W1KX	BILL	ME	9	1
N1OTC	JACK	MA	4	11
KW1U	MARCIA	MA	9	50
WA2CUW	TOM	NJ	6	6
W2EAG	MARK	MA	2	0
W2MTA	BILL	NY	29	12
W2UE	PHIL	NY	2	0
N2ULY	PAUL	NY	11	0
K2VX	DAVID	VA	5	1
WA2YL*	JAN	NJ	7	12
N3COR	DON	PA	7	4
N3DE	HARRY	MD	5	0
VE3DTR	JOHN	ON	20	0
KK3F	PAT	MD	18	16
N3FDR	RICK	VA	2	0
AA3GV	ERNIE	MD	1	1
W3JKX	EARLE	PA	17	1
WA3JXW	DUDLEY	PA	3	4
K3MIY	RON	PA	5	0
K3NNI	JOHN	MD	13	5
N3QA	CAL	MD	8	19
WA3QNT	BOB	PA	1	0
K3RC	BOB	OH	10	0
WA3UNX	DON	PA	19	10
WA3YLO	TONY	MD	1	7
N4ABM	OLE	VA	25	26
AA4AT	ART	VA	19	7
WA4DOX	OBIE	VA	7	10
AB4E	A B	NC	13	4
WB4FDT	PIP	MD	1	0
WB4FLT	JIM	VA	3	0
K4FUM	JERE	GA	10	11
WX4H	MORT	FL	27	43
K4IWW	WILL	NC	30	0
W4VFJ	CHAS	NC	7	0
W4VLL	VIC	VA	8	1
K4WKT	C C	NC	2	2
<b>KB5GXD</b>	<b>ANGELO</b>	<b>MO</b>	<b>1</b>	<b>0</b>
KA5NNG	MIKE	AR	9	4
K5UPN	JOE	TX	1	0
N6ANQ	JOHN	VA	1	0
KX8B	CHUCK	OH	25	26
WD8DHC	MIKE	WV	7	2
WD8DIN	SIS	NC	15	2
W8IM	BOB	FL	5	0
K8KFJ	GARIE	WV	1	0
K8KV	BEN	MI	12	3
K8LJG	JOHN	MI	16	37
<b>KB8NOD</b>	<b>RON</b>	<b>OH</b>	<b>2</b>	<b>0</b>
KA8NYY	DUDLEY	FL	7	0
AA8PI	DON	MI	3	0
W8RTN	LEE	MI	11	1
WB8SIW	JIM	MI	2	0
KA8WNO	JACK	WV	29	45
KB8ZYY	RAY	MI	2	6
WD9F	WOODY	IL	4	0
N9KHD	ANDY	WI	8	0
WØGRW	GEB	MN	16	0
WØUCE	JACK	NC	1	2

**More arfer news:**

**K5UPN-** Joe's absence lately is because he and his brother have been going to therapy on almost a daily basis due to injuries caused by the auto accident. He will try to get back regularly as his condition improves.

HBN still needs NCS for Thursdays. Volunteers will be greatly appreciated. Thanks.

Stats for December will be published in the next issue. -Sis

**Hit and Bounce Net NCS Roster**  
**7042 KHz Daily 8:30 AM Eastern time \*Alternate Frequency 7114 KHz**  
**Net Manager, Charlotte (Sis) Berry, WD8DIN**  
**Treasurer, HBN/HBSN, N4ABM MERRITT W. (OLE) OLSON**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
W2MTA Bill NY	KA8WNO Jack WV	WA3UNX Don PA	N4ABM Ole VA	<b>OPEN</b>	WD8DIN Sis NC	WA4DOX Obie VA

**\*During CW contest congestion on 7042, please use the alternate frequency.**

**Hit and Bounce Slow Net NCS Roster**  
**3714 KHz Daily 7:30 AM Eastern time**  
**Net Manager, C.M. (SAM) SHEARER, WB5ZJN**  
**Assistant Manager, CHARLES (CHUCK) PUNZELL, N3ON**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
VE3DTR John ON	W2MTA Bill NY	NR9K Ad PA	WB5ZJN Sam OH	N3ON Chuck PA	WD8DHC Mike WV	<b>OPEN</b>

## TRAFFIC CALL

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