



May 1994

Carolina DX Association

The Pileup

Newsletter of the CDXA

WD4R Joe Simpkins	President
AA4SC Rick Porter	Vice-President
W4UNP Bill Jennings	Secretary-Treasurer
WZ3Q Don Daso	Editor
AG4L Bruce Gragg	Net Manager

The President's Column

Welcome to our May issue.

If you missed it, you missed it--a great meal at the Woodshed Restaurant, lots of conversation and camaraderie and a super program put on by an internationally respected DXer, ON4UN. The weather was wet, but we still had 37 folks attending, some from as far away

as Fayetteville.

Even Wilkesboro. And, we added three new members! I'm talking about the last CDXA meeting, of course, just a harbinger of things to come.

Scott Douglass, K2SD was elected to fill the Vice-President position recently vacated by Ric, AA4SC. Thanks are due to Ric for all his work and efforts on behalf of the CDXA. We appreciate your efforts! A hearty welcome to Scott; please call him at 847-8320 with any program ideas you may have.

The executive committee met at my place on Saturday, May 7th to discuss several items of business, including plans for the remainder of the year. Activities later this summer and fall promise to be...well, pretty darn good. I don't want to give things away. Keep watching the Pileup for details. It suffices to say, some good things are planned!

Much work is going on with our PacketCluster system--as you'll discover in detail in N4ZC's column. The biggest news is the shifting of the KD4IL node to my QTH. We're still active on 145.09, so drop by and join the Cluster if my location favors your QTH.

Again, the weekly Wednesday luncheons are a fun way to keep up-to-date on CDXA members and their activities, enjoy some spirited conversation, and commiserate over those declining DX spots.

See you at Shoney's!

73 de Joe WD4R

PacketCluster News

Stephen, KØSD deserves our thanks for his recent efforts in installing a new digi on Young Mountain. His work came none too soon. The day afterward, our DXSAL digi near Salisbury was taken off the air due to interference it was creating at the site. DXSAL was turned off without warning; it will not return at that location.

To use the new DXYNG digi, you first connect to DXYNG on 144.93. After getting the connect line back from DXYNG, you connect to N4ZC. The equipment at this site is N4ZC's TR-7850 (running 30 watts) with an MFJ-1270B and a G7 vertical. Winston-Salem area users supplied the G7. They report getting full scale signals in their area. I would think Greensboro stations and those up I-77 into the Virginia area should also be able to connect via DXYNG.

WD4R has put many hours working with the recent node changeover in the Cluster. The KD4IL node is now located at Joe's south Charlotte QTH. If you have not tried our system for some time, you may want to give this new WD4R node a try.

The command "SH/STN N4ZC SH/STN DXYNG SH/ST WD4R" will give you the distance and direction from your QTH, provided you have entered your latitude and longitude into the system. You should, of course, use the node closest to your QTH, which allows you to connect without going through a digi if possible. And, we are also working on installing a CD-ROM drive at the N4ZC node to give you faster access times when requesting *Callbook* information. AG4L is leading the way with this project.

--N4ZC

A Fan's Notes

Apologies to Frederick Exley, who wrote a novel with this title, but it's an appropriate sentiment for a few words about ON4UN. John's presentation was good at Dayton; his three-day's later replay here in the Charlotte area was also excellent. I think many of us were impressed by his second slide, which read, "Charloue Presentation."

We've probably all worked John at some point in our DX or contest careers. It would be hard not to, since he's an active ham, whose station has lately been seeing lots of contest activity with a special "OT" callsign--OT3T in '93, OT4T in '94, and so forth. We've probably all read some of John's work, beginning with his "80 Meter DXing" back in the spring of 1978. (I think the original price was \$3.50 for this slim volume, published by *ham radio* magazine, but it was a seminal work. It was obvious the author knew "everything there was to know" about DXing on 80.) In 1987, a vastly revised version was published by ARRL, as *Low Band DXing*. Both these works belonged in the shacks and workshops of active DXers and contest ops who wanted to be competitive on the lower frequencies, 40, 80, and 160M. John was a compelling writer in the earlier works. This new book, which is titled *Antennas and Techniques for Low-Band DXing*, is just as good.

Copy for this version claims the book is 90% new material. Without getting into some crazy word-count game, it's hard to fault this claim. It's sufficient to say this book feels (and reads) differently. It's a testament to John's engineering background. Any look at the antennas and towers presented in this new work will convince you he's in the vanguard of amateur antenna engineering. Indeed, I heard some "grumbles" at Dayton his station was beyond the means of many. That may be true, but it's missing the point. John's goal is to design and build an antenna system which out-performs what's currently available. The keywords in that sentence are "system" and "out-perform what's available." In doing so, he embodies true ham radio spirit. If you can't find it or buy it, then let's build it--I think we can make it better. Then let's compete with it, to see (and prove) just how well it really works. That's pioneering engineering, backed by the indisputable data of peer group recognition. If you'd like to share some of these insights and learn something about successful low-band DXing, I urge you to pick up a copy. It too belongs in DX and contester libraries, and those who like antennas. The bibliography alone is worth the \$20.00 cover price.

EDITORIAL

This month, instead of my usual raving editorial, I think I'll talk about Dayton (the Hamvention, that is), the future of our hobby, life in all its glorious splendor, DXing, this Newsletter's future and, in general, clear the air. Or the desk. Or something. After all, why bother being Editor if one can't exercise this keyboard pulpit once in a while? But I digress... I mentioned Dayton...

A few of the local CDXA gang made the trip to Ohio this year; I'm sure many of you heard the particulars on .18 or at lunch by now. It suffices to say Dayton is an experience--something not to be missed, at least once in your ham radio lifetime. AA4ZZ said it best when I asked his opinion: "It's a blast!" Sixties slang notwithstanding, Dayton *is* that--the largest ham radio convention in the USA, and noteworthy for dozen of reasons. You never get tired of just looking around at the folks who make up our hobby. We've always known hams are a pretty diverse group (okay, weird then) but Dayton confirms it. The weather (stormy) brought all of us together into one humid mass of humanity. People were even slipping into Forum rooms seeking relief, and a place to sit and rest. Bravo to those who braved the flea market! Hooray to those who tried to see every manufacturer's booth. Kudos to those who got hot pink Yaesu ballcaps. N4ZC and myself spent our time sitting in those Forum rooms, especially Antennas and Contesting, which had good, solid presentations. Except for the 3Y presentation, the DX Forum was a mess. I kept turning to Rog, mumbling something about traveling a thousand miles to watch some guy's horrible home movie about his DXpedition. And that's what we got this year in the DX Forum. Bad home movies. Shot in vapid VHS using the ever-popular shaky-cam style and projected using that special Hamvention (out of registration) AquaRay video projector. I mention this not because I shoot real video for a living and think I'm so much better or something, but because, form aside, there wasn't any CONTENT to relate to, either. Com'n guys...think about what you're presenting BEFORE you come to Dayton. Stand-out talks? WA3FET's work on antenna performance over irregular terrain; WØUN's tower hints; ON4UN's show; W7RM's antenna and M-M station rebuild (I hope I'm this active at Rush's age!); the KRØY & N5RZ analysis of their P4ØL contest effort; KN8Z's station design; and GØKPW's amazing efforts at "stealth M-M contesting" in the U.K. Good, solid shows one and all.

Both Friday and Saturday nights were spent in the famed "hospitality suites," where you can meet some of the premier DX and contest operators and station builders in the US, as well as several international ops. These suites are the real reason many people show up in Dayton. They are, in a word, unique. Friday night I wandered from suite to suite, from floors 1-12 of Stouffer's. Saturday I stood in one spot on the second floor for four hours (borrowing K3ZO's technique), and let folks come to me. This seemed to work and I had a great time and met and seemingly saw dozens of ops. I picked up lots of information on a wide variety of topics. Saturday's contest dinner was kind of a disappointment (foodwise), although I got to spend time with several of my old Mad River Radio Club pals, including several hours with KN8Z and W8LNO (now WU2B), etc. These suites require you to stay up into the wee small hours (good training for those late night sessions on the low end of 80 and 40) to see and talk with as many folks as possible. They're the most fun you can have hamming outside of actually being *in* a contest or DXing.

I heard lots of talk about the future of our hobby, revolving around contests and DXing. I heard lots of talk about building stations, about super stations and antennas. About computers and the future of our hobby. Very few people could address the issue of "fun" when I tried to steer the conversation in this direction. This worries me, to some extent. As Pogo said, we have met the enemy and he is us, indeed. We have got to improve our ability to look at ourselves, at how we present ourselves to the outside world (we sure don't do much good presenting it to each other), and how we explain the why and wherefore of what we do. It's an old panic button, but we all know just how valuable the spectrum space we occupy is....

Moving right along, we come to the philosophy for this month.

EDITORIAL, *continued*

Life is, at the moment, pretty good. I have adjusted to corporate life in small town America. Debts are being paid down. Lowe's is, indeed, an interesting place to work. Our big stores carry 40,000 items; I seem to be learning something about selling each and every one of them. I seem to be moving in mysterious circles, meaning I work with people who think in terms of millions of dollars. Meaning I am amazed and learn something new every day.

Which brings me to this Newsletter. I really need some input. From you, the membership of the CDXA. With your help, the Pileup can get better. Send me news, short notes or articles on how you've done something or operating techniques--whatever. It's hard to imagine something too trivial not to get used in some fashion. So, send in your cards and letters. It is, after all, YOUR Newsletter. I'm merely the Editor. And my schedule is getting tighter and tighter as I get deeper and deeper into the morass of corporate television production. To help accomplish this (you've heard this plea before, remember?), I want to establish a schedule or focus for forthcoming issues. Surely there are some of you out there who can scratch a few lines on the back of an old envelope or napkin (maybe during one of those Wednesday luncheons?) and send it along. Please? I know, I know, you're deep in the morass of your own corporate schedules, but again, you get the idea? Just a short note *now* will guarantee we have some kind of newsletter next month. And the month after that, and so on.

I think our Newsletter is pretty good; I even think it's great, every once in a while. I have seen the concept of MEMBER PROFILES adopted by 3 other newsletters. They must have gotten it from us, because they never did it before. I have seen other elements copied too, as this newsletter circulates among ham clubs. Yet, I think the Pileup can get even better. I hope you agree, and can help me take the Newsletter to ever greater success.

Here's the plan, in addition to our ever-popular "Profiles" and PacketCluster News and other info:

May	<i>A "review" issue</i>
June	<i>Antennas</i> "The Battle Creek Special" Hints & Kinks
July	<i>Antennas--continued</i> "Four Square Arrays"
August	<i>Heathkits</i> Who's built what & stories about your favorite kits
September	<i>QSLs</i> Everything You've Ever Wanted To Know, etc.
October	<i>Contests</i> When, Why, & How?
November	<i>News from members</i> Who's doing/done what this year?
December	<i>The year in review</i> Ham radio in general, CDXA in particular

That's my plan. With your help, we can make this Newsletter something to be proud of. (Not that we're not already proud of it. Indeed, it's been suggested to me I enter our little paper into some contest which exists just for ham radio club newsletters.) That's a swell vote of confidence, which I appreciate. But there's room for tremendous growth and expansion. There's room for further improvement. There's room for YOU. So, look over the out-lined topics or ideas and send in some notes accordingly. (Remember, you don't have to be a wordsmith, own a SuperMegaZoom 9000 computer, or have a First Phone with Radar endorsement to contribute.)

I can already promise you the Heathkit stories will make fascinating reading.

I look forward to hearing from the membership.

--WZ3Q

Equipment review

While attending the Charlotte Hamfest this year, I stopped by the JPS Communications booth and was intrigued with their demonstrations. JPS markets a number of noise/filter devices, all using state-of-the-art Digital Signal Processing (DSP) technology. After 39 years of fighting all kinds of QRM--AM, SSB, CW, RTTY, Bouvet pileups, and so on--I wondered if one of these gadgets could improve the quality of my "on the air" life. I listened to the recordings and found them quite amazing. I picked up their product literature for study that night. The next day I purchased their NRF-7.

I chose this model with "ease of use" in mind. For the ham who likes to work many modes, often jumping from SSB to CW and back, the NRF-7 is a joy to use. Setting it up is a snap. Audio from your radio plugs into the NRF-7; audio out of the NRF-7 goes to your speaker. A separate headphone jack as well as a bypass switch are also available. You also provide 12 VDC (@ 1 amp).

Without delving too deeply into the theory behind DSP operations, we can use this introduction from the NRF-7 manual as a simple summary: *The general purpose of the DSP hardware is to convert analog signals to the digital domain, operate on and manipulate these signals using the DSP chip, then convert the result back to analog format.* Imagine this device sampling a chunk of audio, processing it, and then sending it back out--over and over at such speeds as to appear continuous--that's what this little black box does!

The NRF-7 provides 10 modes, switch-selectable from the front panel. Each mode causes a separate program within the unit to perform its digital magic on the signal being processed. These modes are:

CW-N which means Narrow (200 Hz) CW filter. The center frequency of both CW filters is factory-set to 800 Hz. You may change this to 400 or 1000 Hz by simply changing a jumper on the circuit board. I chose the 400 Hz setting to match my TS-850S. Doing so gave me a chance to examine the quality of the board itself; it's excellent. Tuning, as you'd expect, is quite sharp in this mode. JPS claims a shape factor of 1.15:1 for both the CW/SSB filters, and while I cannot measure this, I am very satisfied with the performance. Combined with my 850S filters, I feel well-armed for the weak-signal wars in contests or pileups.

CW-W which means Wide (500 Hz) CW filter. I use this position when operating CW, unless I feel the need for a narrower passband. With this filter in, I hardly ever bother to switch in the 850's CW filter.

SSB-N which means Narrow (100-1800 Hz) SSB filter. This filter shines when adjacent channel interference pops up during an SSB QSO.

SSB-W which means Wide (100-2400 Hz) SSB filter. Use this position when adjacent channel interference is not a problem.

NOTCH selects the notch filter only. Using this position, you begin to appreciate the power of DSP signal processing. I've been a computer programmer for 32 years, and have some insight into what this program must be doing, but I still think there's some magic involved. The unit removes at least three tones at once; I haven't created a test using four tones yet. Notch features are not useful on CW; it's also not effective in removing AMTOR, PACTOR, RTTY or any other rapidly changing set of tones, but for continuous tones, it works great.

PEAK is the mode position I use most often. The NRF-7 looks at the audio spectrum it has currently captured, and the program removes as much of the white noise as possible. I have S3 power line interference on 15M, and this mode eliminates most of this noise. It also helps somewhat with static crashes. It really peaks both CW and SSB signals. I find it especially helpful bringing out stations in the 40M DX window.

NT + PEAK is a dual mode, combining the Peak feature with the Notch feature. It's a handy option.

NT + SSB W and **NT + SSB N** are also dual modes, adding the Notch feature to the two SSB filters, providing additional flexibility.

DATA is a 500 Hz wide filter centered at 2200 Hz for use on digital modes. I have yet to try this position, but it should work great.

There you have it. A filter requiring no adjustments, with no need to remember settings for different modes, and so forth. Just turn the switch and the QRM is gone (this is obvious hyperbole, but you get the idea). One thing's for sure--you can't have my NRF-7. I like it!

---K2SD

Equipment review

Can the world's smallest full power (100 watt) HF rig perform like the "big rigs" or is it simply a novelty? CDXA made Jerry Malin, WB2LEI buy one in order to find out. Okay, okay, Jerry bought the rig on his own, but we did solicit his comments on the radio.

It's hard to believe Kenwood can pack 100 watts into this small package (7 x 2.3 x 9.25 WHD), weighing only six pounds. The entire back end of the rig is a cast aluminum heat sink with variable speed internal fan. As the rig gets hot, fan speed increases. If the rig gets too hot, output power is automatically reduced. Power levels available include: 10, 50 and 100 watts. Extended transmit coverage can be had by clipping a diode. The general-coverage receiver has excellent sensitivity. With a beam or home station antenna system, the rig has almost too much sensitivity, but the 20-db attenuator or AIP can solve that problem. Selectivity on SSB is 2.4 KHz, making for nice clarity on received audio. For CW folks, a 500 Hz filter is available, and the TS-50S runs QSK. Working with this rig, it's hard to believe you're NOT using a full size radio.

On receive, the noise blanker works very well on pulse type ignition noise. It really cleans it up. The tuning rate is excellent. The stepping rate varies with how fast you twirl the knob. It can be as low as 5 Hz/step, or as fast as 200 Hz/step. A handy tension lever under the knob is adjustable to your personal preference. The display is nicely sized, and every function is visible. The display has five programmable brightness levels--providing easy viewing in darkness or bright sunlight. In addition to 100 memory channels, the rig features split/dual VFOs, with a nice TF LOCK feature, allowing you to lock the receiver to the DX station's frequency while you slide up or down the band looking for the calling frequency. This feature will help prevent those useful comments from the nice policemen that you are calling on "the wrong VFO..." Frequency readout is displayed only to 100 Hz, but there is a programmable function allowing you to press a button on the mic to see the tens and units measured out on the RIT display. A unique and worthwhile feature for those on 75M who like to argue about who's on or off frequency. There is no RF gain control. I don't seem to miss it; I reduce sensitivity with the attenuator when needed. Also missing is a mic gain control knob. Again, there is a programmed feature on the "menu" function allowing you to change the mic gain, along with the output power. Many of the "not often needed" functions are available through this menu, accessed by holding in the F-LOCK button for a couple of seconds. Unfortunately, you need to have the instruction book at hand for navigating through the menu, but you can easily program any item into one of four push button positions on the supplied mic.

I purchased the AT-50 automatic antenna tuner with the rig. With the typical mobile antenna, bandwidth is, of course, very narrow. The tuner allows you to QSY without having to stop and go back to adjust the whip. Just hit the TUNE button on the rig's front panel when you change bands or antennas. The tuner remembers where you were by band, but if the new antenna is different from the last one remembered, you should re-tune. The only thing seemingly missing is some way to strap the tuner and rig together. I believe their intent was to have the tuner mounted under the seat (or near the antenna). A convenient carrying strap is included for those of you wanting to carry your rig around.

Receive audio output is adequate; all reports on the transmit audio have been excellent. You can adjust your transmit audio by shifting the internal passband to increase or decrease frequency rolloff. The TS-50S includes pass-band tuning as well as the usual RIT control. You can program the RIT offset for either 1.1 or 2.2 KHz of shift. There is no XIT. There is no notch filter. The rig does come set up for AM and FM. The AM filter is switched between 6 KHz and 2.4 KHz. On AM, power output is 25 watts. On FM, you can program a CTCSS or 1750 tone burst for repeater operation; power output is 100 watts.

Overall, I have been very favorably impressed with Kenwood's TS-50S. It's very definitely a worthy contender for any form of mobile or portable operation.

--WB2LEI

CDXA Membership as of April 24, 1994

Call	Name	Address	City	State	ZIP	Phone
AA4AM	Joel Stacks	1138 Princeton Drive	Rock Hill	SC	29730	803-324-4944
AA4PQ	L.A. Simpson	3306 Old Charlotte Hy	Monroe	NC	28110	704-283-1593
AA4R	Bill Parris	16741 "100" Norman Pl.	Huntersville	NC	28078	704-892-4081
AA4S	Ron Bailey	420 Community Road	Shelby	NC	28152	704-487-0337
AA4SC	Rick Porter	Box 2731	Rock Hill	SC	29731	803-366-2444
AA4SQ	Charlie McSwain	1708 Woodlea Road	Charlotte	NC	28214	704-392-5056
AA4V	Steve Reichlyn	4710 Meadowood Road	Columbia	SC	29206	803-762-8169
AA4VK	Ron Oates	9908 Waterview Rd.	Raleigh	NC	27615	919-847-3279
AB4BI	Karl Boxer	1000 West Morehead St.	Charlotte	NC	28208	704-372-2765
AB4CN	Bob Sidi	15929 Bayshore Dr.	Huntersville	NC	28078	704-875-2292
AB4WD	David Valk	6215 Quiet Water Place	Charlotte	NC	28214	704-393-8089
AB4ZD	Bob Dalton	5049 Patillo Ch. Road	Burlington	NC	27217	910-421-9936
AB4ZM	Jim Brown	6534 Bakers View Drive	Vale	NC	28168	704-462-1628
AD4MQ	Jerry Hagan	2509 Shenandoah Ave.	Charlotte	NC	28205	704-344-8172
AG4L	Bruce Gragg	1544 Fox Dairy Road	Newton	NC	28658	704-465-3715
AK1E	Dan Morehouse	618 Leander Street	Shelby	NC	28152	704-482-6280
AK4N	Grady Robinson	902 Forest Dr.	Lancaster	SC	29720	803-283-8298
K0SD	Stephen Budensiek	225 Beulah Lane	Salisbury	NC	28146	704-279-1460
K2SD	Scott Douglass	2440 Williams Road	Matthews	NC	28105	704-847-8320
K4BVQ	Frank Dowd	623 Lester Davis Road	Waxhaw	NC	28173	704-843-5968
K4CEB	Larry Sossoman	4383 Ponderosa Lane	Concord	NC	28025	704-782-2245
K4DFW	Bob Patton	2548 Aspen Terrace	Rock Hill	SC	29732	803-366-5500
K4DGJ	Sam Hawes	308 Minden Lane	Matthews	NC	28105	704-847-2355
K4DGV	Wallace Evans	411 Lakeside Drive	Rock Hill	SC	29730	803-327-3007
K4DJ	Richard Moser	510 Third Ave Dr. SE	Hickory	NC	28602	704-324-7423
K4DLI	James Streible	3101 Lassiter Rd.	Marietta	GA	30062	404-993-1767
K4DY	Les Murphy	PO Box 626	Hickory	NC	28603	704-324-8111
K4EMN	Tony Elia	3520 Lakeview Drive	Pfafftown	NC	27040	919-922-1790
K4HJE	E.V. Hicks	1467 Spring Hill Circle	Kemersville	NC	27284	919-996-5081
K4IGB	Walter C. Lockhart, III	3418 Foxridge Road	Charlotte	NC	28226	704-543-9344
K4JO	Ellicott Valentine	4495 Bashavia Wayside	Pfafftown	NC	27040	919-924-1323
K4MQG	Gary Dixon	1606 Crescent Ridge	Fort Mill	SC	29715	803-547-7450
K4NYV	Lynn Pendleton	3617 Country Cove Lane	Raleigh	NC	27606	919-829-9449
K4PB	Alan Harp	8113 Belgium Dr.	Raleigh	NC	27606	919-362-8911
K4PYT	James Nipper	1818 The Woods Drive	Jacksonville	FL	32216	904-221-6483
K4QO	Douglas Sanders	710 Hamlet Hwy	Bennettsville	SC	29512	803-479-0334
K4SE	Bob May	PO Box 453	Jonesboro	TN	37659	615-753-3662
K4SFI	Bob Reed	426 Boyce Road	Charlotte	NC	28211	704-366-5082
K4SLC	Don Brannan	11502 Painted Tree Road	Charlotte	NC	28226	704-542-2855
K4YYL	Art Balz	PO Box 6762	Greenville	SC	29606	803-244-4850
K5CTG	Joe Curlott	3549 Antenna Farm Road	Bolivia	NC	28422	919-253-5336
KBSL	Rolf Andersson	2836 Mattlyn Ct.	Raleigh	NC	27613	919-848-4033
KB2LH	William Turner	4000 Horseshoe Bend	Matthews	NC	28105	704-846-5499
KC4DBY	Nobby Mills	RT 10 Box 195B	Statesville	NC	28677	704-528-5013
KC4YM	Claude Oakes	479 Community Rd.	Shelby	NC	28150	704-482-3265
KC4YOM	Jack Guion	817 Lynbrook Drive	Charlotte	NC	28211	704-365-3061
KD4E	G. A. Hutchinson	2109 Princeton Ave.	Charlotte	NC	28207	704-334-8232
KD4IL	Bill Taylor	214 Pelham Lane	Fort Mill	SC	29715	803-548-0908
KD4OM	Jim Morris	Rt. 1 Box 313	Granite Falls	NC	28630	704-495-8934
KD4RH	Gary Bader	PO Box 6212	Florence	SC	29502	803-667-6160
KD4UC	Gordon Plyler	P.O. BOX 848	Monroe	NC	28111	704-289-3453
KF2X	Craig England	PO Box 2243	Florence	SC	29503	803-736-1336
KF4HK	Jim Miller	11600 Hilda Court	Charlotte	NC	28226	704-542-6162
KF4ND	Robert Denton	5618 Cherrycrest Lane	Charlotte	NC	28217	704-525-9297
KF4R	Joey Ferguson	105 Kimberly Lane	Kings Mountain	NC	28086	704-734-0101
KI4TZ	Joe Barkley	10101 Hat Field Drive	Charlotte	NC	28278	704-552-9310
KI4UD	Nestor Ravenna	7108 Potter Rd.	Matthews	NC	28105	704-821-8418
KI4YV	R.V. Southworth	RT. 9 Box 353-12	Mooresville	NC	28115	704-663-3135
KJ4TI	Wayne Rallis	334 S. Academy St.	Mooresville	NC	28115	704-663-4751
KJ4YQ	Bill Greene	1108 South St.	Gastonia	NC	28052	704-865-2104
KN4CC	Steve Freeman	831 Wingrave Drive	Charlotte	NC	28270	704-366-6537
KN4FO	Larry Jones	10110 Pioneer Mill Rd.	Concord	NC	28025	704-455-9650
KO4GU	Tim Creech	8526 Dogwood Drive	Charlotte	NC	28215	704-536-4217
KO4KC	Ken Cannaday	1929 Ewing Avenue	Charlotte	NC	28203	704-372-8551
KS4S	Nyles McKeithan	1308 N. Pine St.	Lumberton	NC	28358	919-738-1644
KJ4V	Wayne Starnes	701 Channing Circle	Concord	NC	28027	704-782-5354

Call	Name	Address	City	State	ZIP	Phone
N4APR	Ray Weeks	3025 Cutchin Drive	Charlotte	NC	28210	704-553-0112
N4AXT	Hugh Campbell	1409 Cambridge Ave.	Gastonia	NC	28052	704-864-4844
N4AYO	Mike Jackson	2568 Devon Dr.	Dallas	NC	28034	704-922-3593
N4BIG	Ervin Jackson	819 Museum Drive	Charlotte	NC	28207	704-375-6565
N4BPP	Paul Posey	P O Box 2030	ElizabethTown	KY	42702	502-765-2488
N4HIM	Joseph Yarborough	716N Maple St.	Pageland	SC	29728	803-672-7613
N4IYB	Terry Scaia	8510 Glenway Ct.	Charlotte	NC	28226	704-542-1028
N4JEV	Larry Ross	7148 Pitchfork Lane	Mint Hill	NC	28227	704-545-9775
N4JJ	Jack Jackson	P.O. Box 12612	Florence	SC	29504	803-669-1416
N4LUF	Carlton Grainger	652 Kenwood Lane	Rock Hill	SC	29730	803-329-0837
N4MZL	Buddy Teague	2719 Old Pardue Road	Lancaster	SC	29720	803-286-5299
N4FRV	Bill Cash	PO Box 6115	Gastonia	NC	28056	704-866-8618
N4QCG	L. E. Fairey	408 Centeridge Dr.	Columbia	SC	29223	803-788-8061
N4ROL	Mark Roberts	1900 Townsend Ave.	Charlotte	NC	28205	704-567-6800
N4RTE	John Cannon	2985 Woodstream Drive	Valdese	NC	28690	704-433-1720
N4SZ	Stephen Foster	102 Wedgewood Dr.	Anderson	SC	29621	
N4UFP	Marc Tarplee	1608 Hands Mill Rd.	Rock Hill	SC	29732	803-366-0862
N4LH	Henry Elwell	Rt. 2 Box 20 G	Cleveland	NC	27013	704-278-4423
N4UCV	Jim Bishop	108 Creek Valley Drive	Charlotte	NC	28226	704-365-6823
N4WMB	Mark Shannon	PO Box 278	Lancaster	SC	29721	803-285-6357
N4ZC	Roger Burt	RFD 1 BOX 246	Mount Holly	NC	28120	704-263-1133
N4ZX	John Lambert	4805 Sentinel Post Rd.	Charlotte	NC	28226	704-542-0633
N7JWV	Larry Castner	PO Box 248	Wayhaw	NC	28173	704-843-5009
ND4Y	David L. Smith	PO Box 971	Harlan	KY	40831	606-573-4759
NT4O	Mike Wood	PO Box 1979	Wake Forest	NC	27588	919-556-7940
NU5A	Theo Bellamy	3532 Sandy Porter Road	Charlotte	NC	28273	704-588-1901
W0ZV	Bill Tippett	PO Box 99536	Raleigh	NC	27624	919-494-7743
WLVKQ	John Kenney	107 Foxwood Dr.	Hendersonville	NC	28739	704-697-0141
W1WV	George Felber	1414 Farmstead Road	Rock Hill	SC	29732	803-366-3556
W4EZ	William A. Culpepper	900 Jefferson Drive	Charlotte	NC	28270	704-365-9995
W4CZU	Bud Brown	PO Box 447	Taylorsville	NC	28681	704-632-4828
W4DOU	Ross Sigmon	BOX 70	Glendale Springs	NC	28629	919-982-3566
W4FHI	Reagan Rowe	PO Box 33609	Charlotte	NC	28233	704-366-3058
W4HG	Wayne Ashworth	160 Bass Run	Salisbury	NC	28146	704-633-9330
W4HQF	Donald Voigt	PO Box 72	Dallas	NC	28034	704-922-3772
W4MEO	Bob McNeil II	PO Box 843	Morehead City	NC	28557	919-726-7711
W4MEO	William Hutchison	73 Robinhood Circle	Winston Salem	NC	27106	919 924 6781
W4MHF	Robert Darke	500 Lenoir Rd. Apt. 305	Morganton	NC	28655	704-437-9934
W4MPY	Wayne Carroll	682 Mt. Pleasant Rd.	Monetta	SC	29105	803-685-7264
W4PPN	Howard Cochran	5600 Birchhill Rd	Charlotte	NC	28227	704-545-3215
W4PVT	McFarland W. Wood jr.	6424 Farmingdale Dr.	Charlotte	NC	28212	704-537-7067
W4UNP	Bill Jennings	630 Whitepine Dr.	Catawba	SC	29704	803-329-9095
W4UW	Richard Genaille	719 Quarterstaff Rd.	Winston-Salem	NC	27104	919-765-4697
W4WIT	Bernard Smith	5900 Masters Court	Charlotte	NC	28226	
W4WVQ	Murphy Ratterree	264 Wayland Drive	Rock Hill	SC	29732	803-366-9057
W4ZQB	Al Guin	3301 Woodwardia Dr.	Charlotte	NC	28210	704-554-7315
W5VAN	Clifford Wagoner	9108 Chimney Ridge Trail	Charlotte	NC	28269	704-598-5373
WALEHL	Gary Coulbourne	P.O. Box 140	Stony Point	NC	28678	704-585-2722
W4ADAZ	Rob Rochelle	2333 Heathershire Lane	Matthews	NC	28105	704-845-3099
W4AEQM	Mike Smith	7725 Hedrick Circle	Huntersville	NC	28078	704-393-5826
W4AJPT	David Millsaps	37 38th Ave. NW	Hickory	NC	28601	704-327-9999
W4AOBO	Ken Winston	3900 Brinton Place	Charlotte	NC	28226	704-542-6294
W4AFLR	Pete Eldridge	220 Pinewood Lane	Rock Hill	SC	29730	803-327-9284
W4ASSI	Bob Cranford	772 Fernwood Rd.	Lincolnton	NC	28092	704-735-0903
W4ASWY	Larry Standley	5413 Guida Drive	Greensboro	NC	27410	919-855-7095
W4AUNZ	Ken Boyd	6733 Cedar Springs Rd.	Charlotte	NC	28212	704-567-9733
W4AUP	Skip Richardson	6224 Glenridge Rd.	Charlotte	NC	28211	704-364-4750
W4AVCC	Ted Goldthorpe	209 Swamp Fox Drive	Fort Mill	SC	29715	803-547-6980
W4AVKW	Kim Hinceman	2300 Murray Mack Road	Fort Mill	SC	29715	803-547-6156
W4BLEI	Jerry Malin	709 Madras Lane	Charlotte	NC	28211	704-364-1635
W4ALPT	Ann Lockhart	3418 Foxridge Rd.	Charlotte	NC	28226	704-543-9344
W4AUX	Tom Skelton	105 College HTs. Blvd	Clemson	SC	29631	803-653-8801
W4ATLX	Thomas McAllister	1185 Winthrop Drive	Rock Hill	SC	29732	803-328-6680
W4AWV	Mark Pearson	8326 Brynmar Drive	Charlotte	NC	28270	704-366-9195
W4OFOA	Donald Negus	2751 Creekbed Lane	Charlotte	NC	28210	704-554-0799
W4AFDZ	David Purifoy	PO Box 3437	Newbern	NC	28564	919-633-4708
W4AR	Joe Simpkins	2400 Flintwood Lane	Charlotte	NC	28226	704-365-8492
W4ZG	William Thomas	652 Shortspoon Circle	Rocky Mount	NC	27804	919-442-6131
W4BBJ	John Covington	P.O. Box 217122	Charlotte	NC	28221	704-537-7653
W4ZQ	Don Daso	1260 College Avenue	Wilkesboro	NC	28697	

MEMBER PROFILES

Jack Jackson N4JJ

Jack was licensed in 1962 at age 13 as WN4LDM. While still a Novice, Jack worked his first DX on 80M--KZ5FP--and has been hooked on low band DXing ever since. He upgraded a year later and became active on the CW nets (SCN, 4RN, EAN) and kept plugging away on the low bands. School and other commitments kept him busy until 1970 when he encountered K4CIA and K4ZCP (now K4DY) and some of the CDXA gang. Suddenly, Jack found himself chasing DX again, working on the five band awards. The high bands (10-20) were the hardest, without beams. Finally, in 1977, Jack acquired a 203BA from K4YFQ (now N4WW) and life took on new meaning. While visiting K4CIA one weekend and hearing EP2BQ answer Bill's call, Jack decided he'd try top band DXing, too. He obtained 160M DXCC #13 in 1979. He finished 5BWAZ in 1990, and feels 80M was the easiest band, a claim not too many of us can make. XYØRR was his last DXCC country overall.

Like many in the area, Hurricane Hugo wiped Jack out in 1989. He used the opportunity to rebuild with 108 feet of Rohn 25. He currently has a 402-CD @ 108 ft. and a TA-33 @ 118 ft. An inverted vee and 3 phased verticals work on 80M. I assume the receiving antenna "in the hedge" is a quasi-beverage which Jack has put together. He shunt feeds his tower on 160M; there are three miles of radials underneath it. Jack's running an IC-751A and an MLA-2500--nothing fancy, but he obviously knows how to make it play.

Jack says low band DXing means you can meet a lot of DXers. He's enjoyed having DXers visit his Florence, SC QTH, as well. Special relationships have developed with K4CIA and K4DY, which he says are the real blessing of our hobby--establishing and cultivating friendships.

Bob May K4SE

Bob's a 49-year old college professor at East Tennessee State University, teaching EE Technology with an emphasis on power and controls. (*Sounds like a DXer, doesn't it?*) He's also the faculty advisor and trustee for their club station, WA4UCI.

Bob was first licensed in 1961, as WN4DBG. He upgraded the next year and became an Extra in 1967. While attending Virginia Tech, Bob got interested in DXing. In the mid-seventies, he put up a tower and began to work seriously toward DXCC. Of course, hardly anyone is satisfied with that first 100, and Bob kept going, too, up to #1. By 1976, he was K4SE, and operates what sounds like an interesting set-up, looking for 70 on CW--the last one he needs on that mode.

Bob runs what he calls a "double-ended" S-line: a 32S-3 and two 75S-3 receivers. This enables him to listen to split frequencies quite easily--one VFO on the DX station, one VFO tracking the pileup and ready to control the 32S-3 transmitter. For those of you who remember how difficult this can be with the S-line (matching tones for zero-beat), be advised Bob has perfect pitch. I'm sure this comes in handy! On SSB, Bob uses an Icom 725, which also works on the WARC bands. When the going gets rough, Bob reaches for a homebrew 4-1000 linear.

I know it's hard to believe, but Bob actually claims he has other hobbies! He mentions O-gauge model railroading and railfanning and fishing. And he says he wants to get into other things...

Both these DXers are outside the "Charlotte circle" but Jack and Bob have each achieved solid levels of success in the DX arena. Just the type of member to ask advice of sometime at a hamfest. Just your typical CDXA member....

