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THE CENTURION



Two Clint Wise Awards? If You're NA7SS—Yes!

How many times have you been on a CCN and heard a mobile check in, in the last state you needed for WAS, a state capitol you had been waiting for, or the last prefix you needed in a state to complete a progression award? We all realize how much the mobiles have contributed to our nets, whether motorcycle, personal vehicle or 18 wheeler.

Many of our truck drivers are back and forth across the country and no doubt they may have given us all 48 states more than once, but until recently no one applied

for the Clint Wise Award more than once.



Scott, NA7SS was the first, also the first to apply for it with two different callsigns. He gave the folks, on 40 meters, 48 states with both WØSHS and then NA7SS.

Scott also applied for a club callsign, specifically

used by some of the truck drivers, giving us another callsign in several states.

We all look forward to hearing the familiar NA7SS either from home, or mobile again, in the not too distant future.

Editor's Note: Scott has been absent from the nets for the last several months due to a battle with cancer. Scott has been undergoing treatment since early winter and on April 5th, surgery was performed which went well based on early reports. Scott will be in the hospital until about April 20th, after which he will be at home.

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Welcome To Three New Master Degree Holders

At the March 9th Board of Directors meeting, three new Master Degree Holders were approved by unanimous vote.

Master # 9 is KD8QQ—Steve Wonders in Michigan

gan. Rapidly following was W5IL—Richard Smale of New Mexico as Master # 10 and, shortly before the Board meeting date, K7MFG—Gordon Love of Utah completed

his requirements and became Master # 11.

Their stories can be found in this issue beginning on page 3.

Congratulations to all three.



Meet The New 9th Area Director—John K9TWV

You have all heard our new 9th Area Director John on the nets as K9TWV, so following is a short biography on our newest member of the Board of Directors in his words.

I am 50 years old, and have been married to Donna for 27 years. We



have three children, Danielle, Jeremy and Jennifer. All my children are grown and gone from home to live their own lives, none are married yet, and we live in the village of Peoria Heights in the state of Illinois.

I got interested in Ham radio back in the late 60's; I got my Novice license in 1968, as my electronics teacher was a Ham. I lost interest shortly after getting my ticket, and moved into another hobby.

My interest in cars became overwhelming, and I began to build and race Drag cars and when that became too expensive, I started racing motorcycles. I then got married and took up building a Streetrod, a 1937 Chevy that I enjoyed for years, and then I started building Stock cars. I was involved with Stock cars for many years, but working a job and traveling on weekends got to be too much, so I retired from that.

I managed to get 30 years in at Caterpillar, Inc. and retired from there. I now work as the bookkeeper at the restaurant my family owns. Now we're back to Ham radio. With no hobby, I bought a manual and got my Technician licensee, but that only lasted one month. I decided to get my General, and managed to do so. The code took a few times to pass it, but we finally did. I belong to three local clubs, and serve as secretary / treasurer of one.

I am a member of the ARRL, SMRIK, and TEN -TEN INTERNATIONAL. I was introduced to the 3905 Century Club a few years ago, and wasn't too hooked until I went to the 2000 Eyeball in Iowa, then it was beyond my control.



I was able to meet many of the people on the nets, and was one of the most memorable weekends I have ever spent. I plan on being with the club for many years to come. I hope this gives you a little bit about my life, and if you should ever pass through Peoria, please give me a call, and we can get an Eyeball.

73 John K9TWV

25th ANNIVERSARY SILVER CERTIFICATE

The first three members to earn the 25th Anniversary Silver Certificate Award are:

- # 1—Kevin WMØF
- # 2—Jim N5UJB
- # 3—John K9TWV

Others are getting close and if you have not started working on the



award as yet, just go to the Club Web Site and download the application and get going! Those that complete the

award application by July 1st are eligible for a drawing at the 2002 Eyeball for a Grand Prize—a trip to France and a place to stay while you are there.

Don't pass up the opportunity to be part of the 25 Anniversary celebration.

MASTER DEGREE # 9— STEVE WONDERS, KD8QQ

Masters Degree Holder # 9 is Steve Wonders, KD8QQ from Michigan. Steve has been active on the nets for several years and also serves as a Net Control on 75 meter SSB nets. Here is his story.

Well folks, I was always told to start out one of these things with a story, so here's one you may enjoy.

Back in the early '50's, there was a company in Chicago called Allied Radio that sold various kinds of electronic equipment and supplies.

One of the things they sold was a kit called an "AM Modulator". It was a little one-tube gizmo that you could "broadcast" 100 feet or so to an AM radio between 800 and 1100 Kc at about 50 MW using a 12-inch antenna.

Well, 5 of us decided that we would all build one of those things and then talk to each other on the radio. We "souped them up" to about 10 Watts, changed a capacitor so that they would work on 1610 Kc, and then hooked them up to a long piece of wire.

We were all having a great time doing this 'till one evening two men in dark suits showed up at my door to talk to my parents about some "illegal radio broadcast transmissions" coming from our house.

It was the FCC! They told my dad and mom that they could be put in jail for 6 months and/or fined \$10,000 if this violation of FCC rules continued. They confiscated the "equipment", and that was the

end of that for all of us.

About the same time, the FCC decided that "regular people" needed 11 meters more than the hams did, and Citizens Band was established. We all bought CB's from Heathkit – single channel, crystal controlled transmitter, with a regenerative receiver. We continued to talk to each other, but now we were "legal" – my first call sign was 19W5874.

As you can tell, I've always had an interest in electronics, but I didn't get an amateur radio call sign until the early '70's – WD8RFA was my first call sign.

When Betty (KA8OND – CCN CW #37) and I moved to our present QTH, I had previously upgraded to advanced, and I then changed my call sign from N8ACJ to KD8QQ. Old timers may want to check their logs to see if they ever worked me pre-duck.

My first radio was a Heathkit HW101 (I still have it, but don't use it now). I also built a SB200 Linear, which I still use when necessary. I also have several 2M rigs from Radio Shack.

I did participate in the 3905 Century Club nets back in the 1980's and received my 100-point certificates on both 75 and 40 Phone.

Then (I don't recall why) I was QRT for a while. The next time I checked in to the 3905 Century Club was on July 11, 1997. That evening, I worked 23 stations on 75 Phone between 02:28z and 04:07z!

In the next 3 weeks, I logged another 100 or so contacts – I was HOOKED!

Presently, my "Shack/Nest" looks like this:

- Kenwood TS870
- Heathkit SB200
- Zenith laptop (OLD) for RTTY and CW, using a Hamcom (CHEAP) interface
- Alpha Delta sloper antenna for 160-75-40
- TH11 beam for 30 – 10
- 60 Feet of Rohn 45G Tower

Actually, it's a closet in the living room, with a door that Betty can close to hide all the mess when we have guests.

I am a CPA by trade, having graduated in 1963 with a BS in Business. I went to work in public accounting for 8 years, and then to the Retail Division of the Hush Puppies Shoe Company, where I spent the next 18 years.

Presently, I am part owner of a Company, which sells and installs commercial floor coverings and also does glass etching.

Our 5 children are now grown and on their own – we enjoy the 9 grandchildren, even though we see some of them infrequently (1 in Alaska we haven't met yet). One son, Steve Jr., is KA8ONC – he and Betty took novice classes together several years ago.

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MASTER DEGREE # 10— RICHARD SMALE, W5IL

Masters Degree Holder # 10 is Richard Smale, W5IL from New Mexico. Richard has been a mainstay of the nets for several years and is also the Net Coordinator for the 160 Meter SSB Late Net. Here is his story.

"It was a dark and stormy night" is usually the introduction to a very bad mystery novel, not the start of a ham radio career. But I was a young man in the Army, attached to a project in a remote island in the Aleutians, with no way of telling my family that I would be home in two weeks.

The year was 1965 and cell phones and satellites were just in our imagination and the "long haul" military communications were for "Official Use Only". Fortunately one of the Army units had a combination MARS/Ham station set up at the waters edge.

So on a "dark and stormy night" they were able to contact an Amateur in California and he ran a "patch" to my home in Pennsylvania.

I was amazed and intrigued - who were these "men from MARS" and Hams who weren't in sandwiches?? When I got back to civilization I asked around; one of the locals gave me some info from ARRL and told me "learn the code".

My wife was talked into giving me a Knight Kit, LC-1, Code Practice Oscillator for Christmas 1965 and a neighbor loaned me his soldering iron.

My first piece of amateur gear; I still have the oscillator (and the wife).

Early in 1966, with my code recognition at A, E, I, S, T and M, we left the service and moved to Los Alamos NM. Here you could find a ham just by opening the window and calling out QRZ ? - at the last count there were 385 Licensed Amateurs in a town of 8,000.



Richard Operating Above At The Club Station W5PDO

I took the code class from the local club, learned the questions on the Novice part of the Amateur Radio License Manual and, surprise!!, got my first license as WN5ROU.

Crystal control at 50 watts in the novice portion of the band was the norm. Like most novices the antenna was a dipole stretched between two trees and sagging very close to the ground in the middle.

First contact was 500 miles on 7.160; WN7GLI in Las Vegas NV. Of course I thought that I not only knew everything, but could copy any code at any speed.

Naturally I failed my first try at

General (Los Alamos was far enough away from Denver, the nearest permanent FCC license point, that we qualified for "Conditional" licenses, but that was severely discouraged by the old-timers).

Luckily I marked enough boxes correct for the written portion and became a Technician, WA5ROU. The code eventually came around and so came the upgrade to General, then an upgrade to Advanced, then the big step to Extra Class.

In 1975 it became obvious that, if I really wanted to chase DX, a 2x3 call, either on voice or CW, was a disadvantage. So I traded in WA5ROU for W5IL and have been happy ever since.

Early Ham work was spent helping with Search and Rescue activities through the local Radio Club, W5PDO, and a moderate amount of chasing DX and working contests. I did not have the great passion (or the great antennas) needed to do really well at DXing , but the bands were good enough to enjoy the experience.

I had a chance to be on the other end of the DX pileups when I spent several months operating KX6BQ on Enewetak Atoll in the Marshall Islands in 1974.

It was a great pleasure to respond to a Novice calling CQ and give out a moderately "rare one", but it was a headache to work around the Europeans.

(Continued On Next Page)

W5IL—Master # 10 Continued

As KX6BQ I did win a section award in the ARRL DX competition, but only because the station on Kwajelein had a power failure.

Like many other amateurs I went through a long period away from the hobby due to work, family, other interests, etc. But we all come back eventually and, in 1998, I again picked up the key.

At one of the club meetings I mentioned that I was interested in 5 Band WAS, but was having trouble on 75m and 40m. Dave, K5KH told me about the Century Club and suggested that I check in.

After listening for a few evenings, I took a deep breath and, when Gil, K9KDX (at that time) asked for "check-ins from the 5th Call Area?", I blurted out my call. Even through first night jitters, I made friends with N5OHL, KB5YQ, W7HPA, KO6CS, AC6LU and N8RYD.

I have been hooked on 3905 CC ever since. There is enough variety in the Club to satisfy any particular mode/band preference that you might have. My path was a lot like most of you - one particular phone band (because of my location it was 40m), then the other phone band (75m), then the others - 160m, CW, RTTY etc.

I did not seriously think of a Masters Award until I got close to my Poker Player Award on 40m Phone. At that point I started to regret not working more DX on 75m phone.

Fortunately Carole, KD3FM had

made me work every DX station that she could talk onto the 75m late net. (I owe her and hope that she is smiling down on all of us). This last season it became clear that Steve, KD8QQ, Gordon, K7MFG and I were starting to close in on the last barrier - the 75m DX Award.

I am glad that we all cleared it at about the same time. My personal thanks to Vickie, AE9YL who worked as ZF2YL; Marty, NWØL who went to Curacao (PJ2), and Dale KO4V who sailed around the Caribbean.

If you are looking for advice, I do not know what to say except "enjoy your journey". I certainly have. I will be glad to answer any questions that any member might have on how I worked toward any particular award.

On a purely biographical note, I have been in Los Alamos, NM since 1966 and am retired from the Scientific Laboratory that is operated here by the University of California. I am married, with four children and 9 grandchildren. After all these years I still love amateur radio but now have to operate out of the club station because a forest fire two years ago took out my antenna supports (trees). It is not a big problem because the club is well equipped and has a great array of wire antennas.

So thanks to all the club members for their support.

73's from W5IL/p

KD8QQ—Masters

KD8QQ—Masters
Continued from Page 3

We did manage to make it to the Iowa eyeball in 2000 – it was really fun to meet some of the folks I only knew by call and voice. For me, the fellowship was GREAT, and Betty said that shopping at the Amana Colonies was the best part for her. We are looking forward to meeting more folks in New Jersey in July – I would certainly recommend attending if you possibly can arrange it.

Actually, this is my second "Masters" – the first one was a MBA in Finance, which I earned in 1975. All things considered, the second one was probably harder to acquire – I know it took a lot more time to accomplish!

It also takes lots of help from others to get to this point in the Club's awards program, and I am very thankful for all the assistance others have given to Quack Quack. By the way, I think it was Gil who came up with those phonetics – he always has some "special art" on the QSL cards he sends me. For the record, I've filled up 6 Radio Shack logbooks with Century Club contacts – over 5,500 entries.

73 for now my friends – I promise to check in on the nets as often as I can. There are still a few Club awards that I haven't attained yet.

73 de Quack Quack

MASTER DEGREE # 11 — GORDON LOVE, K7MFG

Masters Degree Holder # 11 is Gordon Love from Utah. Gordon has been a fixture of the nets for several years and is also the Area Director for the 7th Call Area. Here is his story.

How did I get here?

Just over five years ago, Feb 97, I was operating on 20 meters and talking with Jda, KB5YQ. She told me of the century club net on 40m and asked if I could check in some time, as a lot of folks needed Utah.

A couple of days later, I tuned down to the 40m net, just as the early net was ending, and called Jda and asked if the net was over.

It was, but someone (and I don't recall now who) said they would operate a late net if I wanted to check in.

So the late net was begun, I checked in, and made seven contacts, as that was all the checkins there were.

Someone mentioned there were other nets as well, in particular, the 75m net and asked if I would be willing to check in there the following night. I did, and even though at the time was only running 100 watts, I was swamped with calls.

I stayed pretty much on 75m until May when propagation went south, but could hardly wait until it came back north again sometime in September.



On Left
Gordon,
K 7 M F G
at 2001
Eyeball

I also found the cw nets, the late nets, and later, the RTTY nets. The following season, I decided I wanted to try my hand at operating mobile, which was an exciting time. Funny how this sort of thing grows on a person.

After two years on the nets, and a number of awards, I decided I wanted to look at the requirements for the masters. I could see it was going to be tough, primarily the Poker Player, and DX award on 40 and 75. The poker player came along, the dx as well on 40, so it was now just a matter of DX on 75.

I must say that it didn't look all that promising, as it is dif-

ficult for those of us out west to even hear some to the DX stations, much less work them.

As I was to find out, KD8QQ and W5IL were also working on dx to complete their award as well, and thanks to Steve and Richard for sending out many e-mails to our dx friends.

I was finally able to complete the dx on 75m, and now it was only a waiting game. It was now a race to the mailbox every day to see if I had gotten that last card needed. Well, It finally came, and sent the application off. I wasn't sure if my application would be received in time for the March board meeting, but as it turned out, it was, and as everyone knows by now, Steve, Richard and myself all received the Masters in March.

Along the way, I have served as 40 cw and late net coordinator, 7th area director, NCS on both cw nets, the three phone nets, and can still be found on Thursday night local, as NCS on 75m late net.

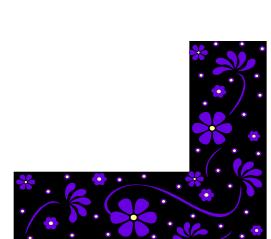
So, if the Lords' willing, and the creek don't rise, look for me on the nets.

73's, Gordon, K7MFG



**SUPPORT THE FLOWER AND
MEMORIAL FUND**

**SEND CONTRIBUTIONS FOR THE FUND TO
WY8V—EARL HUBBARD**



FEBRUARY AWARDS By NJ3V

<u>75 Meters</u>	VIP	#646 KC8LTL	1,000 point
100 point		647 W8UY	#419 W6BUM 420 AG4DO
2412 K5SET	2313 WZØW	648 WA2PQE	
2414 AD6ZJ	2415 NØMRR	649 KB7RAC	2,000 point
2416 KA4JCQ	2417 AB8YZ	651 N1RR	#177 KB0OKS 178 W6BUM
2418 N9KNJ	2419 KE4DYG	652 KB2EH	
2420 N8SI	2421 WK5R		4,000 point #62 WM9H
2422 KG4LDL	WAS	#833 KB1EXS	
		835 WA0SMQ	13,000 point #7 K5FNS
2,000 point AA8RU	#142	836 K7OLY	
			Alphabet #330 W6BUM
3,000 point W4LTF	#59	WAS Capitals	#454 N1CKM 331 W8UY 332 N1RR
			457 WA2JIM
			Bakers Dozen #1049 W6BUM
12,000 point	#2 KA1IFC	W/VE endorsement	WA0SMQ 1050 WA3SYR 1051 K8BR
13,000 point	#1 KA1IFC	<u>40 Meters</u>	Bakers Mobile endorsement
Certificate Hunter	#318 AB0JH	100 point	KB0OKS W9JAY
		K5ENA 2153 K5SET	2154
DX	#56 KD8QQ	K4KXO	
	57 W5IL	2155 KC0JNT	2156 KE5AW
Nite Owl	#226 N1CKM	2157 N9KNJ	2158 KE3NR
	227 WA0SMQ	2159 K0HNM	2160 KD7NZG
		40 Meters—100 Point (Cont)	
		2161 WD4AON	2162 WB0ZVF
		2163 N8QQ	
Nomad (w/400 pt. endorse)	#76 K9TWV 77 NA7SS	500 point endorsement	Journeyman #35 KB0OKS
		K1QK	N8MFB
		K5SET	AB0JH
			Nite Owl #206 W6BUM
			207 N1RR 208 AL1F

CLUB STATION NJ2LH

On just about every net you will hear NJ2LH/P New Jersey check in. The operator is almost always N2XTT—Peter, as Masters Degree holder in New Jersey.

But there is more to the Club than Peter and the 3905 Century Club nets. The Club is the Lyndhurst High School ARC in Lyndhurst, New Jersey.

Recently NJ2LH received an Award from *World Radio*. The ***'Worked 100 Nations Award # 618'***, as quoted on Page 29 of World Radio's April 2002 issue. The following is from N2XTT, Club Trustee.

The club this year has no shack. They are remodeling the school, so all antennas are down except for a portable antenna which is not very effective, just like at home now.

I have had a Senior Class President get his license and well as a State Champion wrestler.

Last year I had about 6 or 7 students go for there tech no code license. They got more enjoyment out of the PSK and RTTY, but they did not like code.

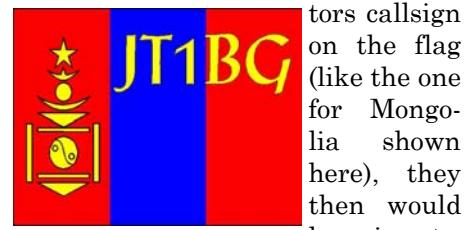
The students, not being General Class license holders could not make contacts on the Century Club so they made contacts with 100 nations instead.

I used to have a wall filled with cards in the back of the classroom. There was also an article in the local newspaper about some of the club activities.

The students, as part of an assignment, would make a large 8.5 x 11 QSL card like the one shown here.



Along with the QSL card the students would make a same size flag of the country and place the opera-



tors callsign on the flag (like the one for Mongolia shown here), they then would laminate them and usually send them direct.

N8DXR — TOM'S COLUMN

Thursday, 14 February, 2002. 10:20 a.m. Sunshine, no snow, cold. My Dad died today.

He was 71 years old (I emphasize that observation on his age because that is exactly what he had been since quintuple bypass surgery on New Year's Eve) and I had him 43 precious years.

To add insult to injury, even though the other 364 days on the calendar would be just as lousy he picked the *worst* day of the year for me – the day God seems fit to pencil into his calendar a direct reminder to somehow, somewhere, give me the *finger* - to check out of the biggest net of all. I'll tell you the stories to back this claim off the nets sometime, once I get past the poison and the bile caused by the memories for each of them... Just do what's left of me one favor:

If you still have a kid or two or 40, or if you are still a kid yourself and you've got a parent or two still around, just love them for being there. You'll never know – and you don't *want* to – when memories will begin.

Speaking of loss: Since the last column (hard to believe, but this is my 10th column since I started filing for the Centurion back in January 2000), the Cross Reference - the entire roster of Century Club members who hold point awards as listed by callsign – has been checked against the Winter 2002 Flying Horse CD Rom, the latest available edition.

Unlike the last look in March 2000, this time calls that are expiring or have expired in or before 2002 were noted so any and all members sitting on their renewal could be

found and updated. Out of our almost 3,300 members, about 500 (or 15 percent) made this nasty category.

The GREAT news is that, in the first run, out popped 20 re-enlistees for fresh 10 year terms and 22 others that changed their calls under our noses!

NOW you see why QSL managers on nets such as these grind themselves into dentures, got that? I posted those calls on the CCN Chat Group reflector back in March; if anyone wants the list, let me know and I'll type them up in my next column.

Of course, the lousy news is that 15 more Silent Keys were confirmed – and to add a further insult, another FIVE calls were alleged to be less than General

(Continued On Page 9)

KØWJ—Lon Martin Returns To The Air

I've recently become active on the nets again after an absence of nearly a year. It's a sad thing when your job gets in the way of your personal life <smile> but that, coupled with a problem in the shack that I recently remedied kept me from two of my great loves – Ham Radio and the 3905 Century Club.

You'll have to deal with your own job issue, but I'd like to tell you about the problem in my shack in hopes that other MFJ-989C owners may benefit.

About three years ago, I bought an MFJ-989C Antenna Tuner with the thought that it was one of the best you could buy. After all, only until recently, it was rated at 3 KW of RF.

I say recently, because MFJ has made a subtle change in their ad for the MFJ by stating that it is rated for 3 KW RF "input" and 1.5 KW RF "output."

I guess they just figured that the finals that everyone runs are all 50% efficient. Maybe they checked it out at the Psychic Hotline.

Well, if you ask me, 1.5 KW RF output is still a bit over rated. It turns out that the roller inductor that they use is of the air-core variety, which makes it difficult to maintain good contact between the roller contact and the inductor itself. The result is arching and it became enough of a frustration for me that I just left the radio turned off for a while.

A couple of weeks ago, I finally had some rare time off during the weekend, so I took the tuner apart. The roller inductor, as it comes from the factory, seems to be a less expensive alternative to those roller inductors that use a ceramic form.

I discovered that there is a small spring at each end of the inductor inside a brass part that also houses the rod that the roller contact trav-

els up and down. There is actually so little force applied by these springs that they have lost most of their springiness because of heat. There is one tiny ball-bearing next to the spring.

My solution was to add one B-B from my B-B pistol to each end of the inductor's roller contact rod housing. This caused much more force to be applied between the roller contact and the inductor itself – so much so that it is now very difficult to use the extreme ends of the inductor.

In my case, it really doesn't matter, because the inductances I need are away from the extreme ends of the inductor anyway and I suspect most users have similar requirements.

I can now run full power with no arching and I'm back on the air enjoying the nets once again.

73—Lon KØWJ

N8DXR (Continued from Page 8)

(read: Novice/Techies), four Club calls came up suspicious for one reason or another (or several, given our luck), four more were suspected of being reissued and another four have NOT been found in any database after 1987.

In addition, thanks to the annual update of rosters on the OMISS Net, we found three more Silent Keys among our members (one of which you will notice is a *real bummer*) and we'll be sending along the fruits of our research to them as a thank you. Let us pay one final tribute to this trio of ours, with their numbers:

- N9BAN Ken/Cary, IL 40/489
- WB9YZE Fred/Salem, IL 75/211
- 8P6SA Nathaniel/St. Michael-BARBADOS 75/1407

We also have confirmation on one of our long missing DX calls: FP0MG. According to members of the DX-QSL email reflector, that was a special call brought on the nets several years ago by W9GBC/Maurice, who is also a Silent Key. As such, this call – which held 75 meter # 423 – has been moved to the SK listings and Maurice's call is noted for reference.

Funny part: I spent almost THREE YEARS asking around here for info and these chaps came up with it in less than 30 MINUTES after I posted my request! And no, I did NOT have to buy a pizza . . .

Also, I STILL do not have any information whatsoever on KC5ZM, holder of 40 meter number 755 (and who also has NOT been found

in any callsign resource after 1987), so please help me with this one if you can!!!

And to show you how brilliant I am: During the check I found one call in the 10th district that had been listed *twice* – as in one entry for their current sign, and the entry for their prior call still in place.

The biggest chunks of checked calls focused on two criteria:

Those calls that expire(d) in 2002 and were checked with QRZ.com to see if they renewed (and if not, have email routes to remind them that they were getting close to re-up or it passed them by and we didn't wanna lose them if we can help it *and* them).

(Continued On Page 11)

MARCH AWARDS by NJ3V

75 Meters

100 point

#2423 AB0OA 2324 KE4VIS
2425 N9WV 2426 KG4OCZ
2427 WM0F

500 Point Endorsement

W0MLM K1QK
K5SET K8BR
7,000 Point #17 AA9ZB
8,000 Point #10 N2XTT
14,000 Point #1
KA1IFC

Bakers Dozen

#1061 WA0SMQ 1063-64 KB2EH

Bakers Mobile Endorsement

KG4NBL K7NZ WW7AS

DX #59 K7MFG 60 AA0ZP

Journeyman #36 K7MFG

Nite Owl #228 WA2PQE

229 WM0F 230 KB7RAC

Nomad (w/200 pt. endorse)

#78 W4LTF

VIP #655 K9TWV 656 WM0F

WAS #839 K2SBV 844 AB0JH

40 Meters

100 point

#2164 KL7OR 2165 VE6ACA
2166 K3IJD 2167 N9WV
2168 K9HC 2169 WK5R

500 point endorsement

AD6ZJ

1,000 point #421

KT4CB

2,000 point #179

W9JAY

3,000 point #89

WA0SMQ

Bakers Dozen #1052

AB5GH
1053 K9TWV 1054 WA5AUR
1055 AC6LU 1056-60 W3KMA

Bakers Dozen Mobile #134

N8SI

Bakers Mobile Endorsement

N8MF(B) (3) KG4NBL
WW7AS W4CKT
KC5BFK W9JAY

Call Area (4) #289

KB2EH

Certificate Hunter #319

AD6ZJ

Nite Owl 210 AD6ZJ 211

AK4P

Nomad #118 AG4LB

w/400 endorse. 119
W4LTF

Numbers Racket #102

W6BUM

Poker Players #38

W0KRE

Prefix (w/400 pt. endorse.)

#11 W4LTF

25th Anniversary

#2 N5UJB 3 K9TWV

WAS

#840 W7WNF 841 AD7ZJ
842 W6BUM 843 N5LXI

WAS Caps. 40-45 state endorse W6BUM

40-50 state endorse N1UU

160 Meters

100 point

#293 K5WEC 294 K8TLC
295 KE4DYG 296 WK5R
297 N5LXI 298 WW7AS

Bakers Dozen #1062 WA0SMQ

Bakers Mobile endorse

KG4NBL

Nite Owl #17 K8BR

Call Sign Changes

KC0GVO now W3KMA

PSK 20 Meters

100 point #13

N7OKM
14 WM9H 15 K7OLY

PSK 40 Meters

100 point #18 AA3FC

PSK 80 Meters

100 point #2 AA3FC

RTTY 20 Meters

100 point #25 AF4LD 26 K0WJ

WAS #2 WM9H

RTTY 40 Meters

100 point #65 W8UY

RTTY 80 Meters

100 point #19 W8UY 20 KG7Q

CW 40 Net

WAS 50 States AF4LD

Observations by Gordon K7MFG

The following was received in an email from K7MFG to the Editor and it bears sharing.

Having just received the Masters' along with KD8QQ and W5IL, this month was very exciting.

There are so many members to thank for all the contacts, especially those who are on the nets nearly every night running mobile, as well as our tireless QSL buro managers, who keep the cards coming and going.

I would especially like to thank all those who, over the years have taken on the job of NCS. As we all know, there would be no Century Club nets if not for the many volunteers who have given of their time

to insure the nets continue every night to include all the net coordinators.

Having said all this, I have one more item to bring up, and perhaps this may be noteworthy. I feel certain that most of us know that our nets are monitored by the FCC, in particular, by the official observer program.

I bring this up, because in December 2001, I received a card from an official observer in MI, praising me for good net operations. (I am NCS every Thursday night on the 75m late net).

His response was, "Hello Gordon, great net operations. I used to frequent the 3905 Century Club years ago as N8NKK. Good to

hear the net is still popular."

I felt that was great that he would take the time to let me know the net was running well.

I had not thought about this until this week, when I received in the mail, the A-1 operators award from the ARRL.

Very surprised, but very proud that the award was issued for good operations on the 3905 Century Club nets.

I would like to encourage all net controllers, as well as those who will be net controllers in the future to operate their stations, using the best operating techniques they can.

73's, Gordon, K7MFG

N8DXR (Continued from Page 9)

Those that ARE valid but had prior calls and were being asked if they ever brought those earlier signs on a Century Club net. That info was being gathered so we may list those earlier signs under their current calls in the Cross Reference, as a way to help members who might have contacted them earlier but lost a route for them.

These categories will be updated now that the annual CQ WW WPX SSB Contest is over on this end; more on the results in the next Centurion.

Let's change the dance band and pony up a good hot boogie (or reggae) number for our Power Rankings, the list of how close club members are to the Masters', based on the current application as compared to what points awards they have earned. Hey, the Detroit Lions won 2 games in all of 2001 and we've handed out THREE Masters

in one month, so . . .

Yes, you read right: THREE MASTERS recipients in *almost the same week!* Screw the valentines in the mailbox, Charlie Brown: Can you imagine the odds on a trio of our members hitting the last of the bull's-eyes??

Within mere hours of each other, W5IL, K7MFG and KD8QQ sent in their completed menus to the head chef (that's NJ3V, for those of you not getting the gag) and got their final affirmations at the Board's March meeting.

Looking at the roster of Super Wild Card holders, six years were needed (starting in 1993) for the first five honorees to get their certificates; the next six, starting with N2XTT in January 2000, have hit the mountain top in only 26 months! And one bit further in the Twilight Zone department: These

three received their honors ONE YEAR to the day Art/KK2M got his: March 10, 2002 (which would have been my dad's 72nd birthday, as an aside).

As a result, KD8QQ got Masters' # 9, W5IL is # 10 and K7MFG is # 11.

Of these three, KD8QQ carries a special distinction as he is the first op in club history to reach the Masters even though he has NEVER held a single club office! "I don't plan on being a stranger" on the nets, Stephen said of his award. "I'll check in, but right now I'm concentrating on the three PSK nets to get them out of the way."

All that delayed his application "was just waiting for the DX contacts" on 75 meters, he said. "I think I wound up with 27 or 28 contacts on 75 and I think I now have 27 cards.

(Continued on Page 13)

FLEASPEAK TRANSLATED

Every ham enjoys flea-markets and the tailgate areas of Hamfests. To help you get the most out of the next one you attend, here is a simple translation guide for Fleaspeak.

Fleaspeak / English Translation

This rig puts out a BIG signal

It's 50 kHz wide

This is a really good CW rig

It doesn't work on SSB

This is a really good SSB rig

It doesn't work on CW

This is a really good rig

It doesn't work on CW or SSB

The transmitter is outstanding

It doesn't receive

The receiver is really hot

It doesn't transmit

This rig is really hot

It's stolen

It seems to be a vintage regenerative type

It oscillates

I just aligned it

The slugs on the transformers are jammed

I don't know if it works

it doesn't work, probably never has

It doesn't chirp

it doesn't chirp because it doesn't transmit

The audio sounds great

The 120 Hz buzz is faithfully reproduced

Better buy it now, cause it won't last

no translation needed

Sure, it works at full power

It sucks all it can from the wall

This rig has wide frequency coverage

It drifts up and down and out of

band

Frequency stability is great

The VFO doesn't work - you'll have to use crystals

Real popular rig in its day

There were whole HF nets on the repair and maintenance problems

It might need a bit of tweaking

Marconi himself couldn't fix it, much less align it

It was used in government service

It was stored outdoors on a wooden pallet

The dial drive may need lubricating
the gears are stripped and the set-screws frozen

I plugged it in to check that it lights up

The light came from the two foot high flames

I'm selling it because I have two of them

I'm getting rid of my parts radio

You won't find one at a better price

Better from the point of view of the seller

This is a collector's item

the manufacturer just went belly up and won't honor the warranty

It came from an estate sale

If you have any problem take it up with the owner

I had it on the air just last night

And you thought the woodpecker was gone

It worked last time I used it

if it still worked I'd still be using it

The only lightning damage was a fuse

The only lightning damage I recognized was a fuse

I have the [—] somewhere I'll send it to you

you'll never see the [—]

I'll help you carry it to the car

I'll do anything to unload this boat anchor

It works ok on 80 meters

It had some parasitics but I got in and really screwed it up and now I want to unload it

The tubes used by this rig are worth the asking price

The rig uses a rare 7360 beam deflection tube for a balanced modulator, but it's blown and you'll spend \$80 to get a new one

This is the rig of my dreams I really wanted one of these as a kid, but now I've got to let it go

As I've gotten older, I've learned what a hunka junk it is

The signal quality of this rig was easily recognizable in its day

The high distortion and bad audio quickly identified this rig

This rig will bring back the feelings and atmosphere of vintage ham gear

The bypass capacitors to the AC line put enough voltage on the chassis to give you a shock in the lips through the microphone.

I'd keep this baby, but my wife is making me clean everything out!
finally got around to giving this thing the proverbial heave ho

There are a couple of other people interested in it

someone sat on it to tie his shoelaces while walking past the table

You'd better buy it now, because I'm leaving soon

The previous buyer and his brother, Guido, are heading back toward the table and they aren't smiling

4U1UN OPERATING BY N2XTT

This is a picture of Peter N2XTT at the United Nations Headquarters in New York last year. He is the one on the right, Mohammed is on the left. He is an interpreter for the Asian nations at the UN.

That place now is in lock down mode. We have not heard the UN station on the air since September.

Peter had over 150 contacts on both SSB 40 and 75 bands. Would you believe some people have still



not requested a QSL card, unless of course they went direct. Peter left

a copy of the log with Mohamed.

Last week Peter just got two cards from people who worked him there last March 10, 2001, actually March 9, 2001.

The station is located on the top floor of the UN building using a wire antenna. Peter had to go through 3 security checks before they let him and his guest, Steve WA2KWK into the building.

N8DXR (Continued from Page 11)

I've also sent in the CCPX award for 40 and 75, and I've sent in for the Poker Player on 75." Getting the 75 Poker Player would make him the fifth station to have the award on both 40 and 75 – the others are fellow Masters' holders KI5RN, N2XTT, KK2M and W0MYZ – but first to hit the double AFTER receiving the Masters'.

The 75 meter DX was also W5IL's last award. "The only tip is to gear your life to the 75 meter phone late net, especially in the winter months," Richard said when asked for tips on how to get that one out of the way. "Only by checking in every night and sticking it out will you get 'lucky' and hear the one station in the Caribbean that decides to check in that night."

Simple math bears out and backs up Richard's strategy, as he puts it. "The first five or 10 DX stations come fairly easily – the next 15 are like Chinese water torture," he said. "Figure it out – it usually takes three years to work those last 15; that's five stations a year if you are lucky. That means a DX station comes on about once every 73 days -if you're not there on that night, you might not hear from him again.

Same with K7MFG on his final award for the Masters'; need we say which one it was? "Very difficult for those of us out west, what with all the qrm on the early net," Gordon said of his 75 meter DX certificate. "A very big thanks goes to Dale/KO4V for the contacts in the Caribbean. If you can hear the DX stations, try and work them and not wait until 'next' time as you may not hear that station for a long time. Then, work the mobiles and the portable stations, for the same reason, as the fixed stations you can work later."

Gordon also summed up what those of you chasing the Masters' face for a task. "It takes many, many hours of net time to complete the required awards," he said.

That trio now leaves the club with only two stations that have all the points in their pocket but are short these awards to get to dance with the bride, most likely to something slow and easy:

- NJ2LH can still become the first club station to qualify with either the 75 meter Poker Player or the Net Controller award. As always, any argument against club Mas-

ters' holds no water; a station is a station is a station, right folks???

- N5OHL is still 11 DX away on 75, along with needing the Poker Player and the Nite Owl on that band, but he's now doing late net control duty on 160 to get that award out of the way (GO JIM!!!!)

Right behind those waiting to waltz for the rest of their CCN days are these stations (same as before) with all Basic awards on their dance card but NOT these higher level certificates they need to have all the points (so they can tell us what other awards they have to get): AA0ZP needs the 2k award on 75 meters—KD3O needs the 1k and 2k awards on 40 meters—WK5S needs the 1k and 2k awards on 75 meters Also: AA1NZ and AA4US still hold all the required Basic awards, but they still do not have their 1k and 2k certificates on *any* bands as of yet. No change to their status since this info was first reported.

(Continued on Page 17)

MOBILE SHOOT-OUT AT THE EYEBALL (by KØWJ & AA1NZ)

Mobileers - this one's for you. "Eyeball 2002" will have as an activity the first annual (hopefully) *3905 Century Club Mobile Shoot-out*. Who are the big guns on the net? Better still who is the *biggest gun*? We all have our opinions, but a shootout will actually measure each mobile signal's effectiveness on the air. It starts with antenna efficiency and that is what the contest will measure.

Each mobile operator will drive his/her vehicle to the designated test range where, after the operator is satisfied that the antenna is

properly tuned, officials will attach the mobile antenna to the official contest RF test source - one that will put out a consistent 10 watts of RF (as measured by a Bird Wattmeter) on 7.2335 MHz. At the receive site, located several wavelengths away, each mobile's signal strength will be recorded. When all participant's signals have been measured, a winner will be declared and prizes will be given out.

Optionally, we might also do some testing on other net frequencies and may eventually have an unlimited class which would most likely place participants in the

portable category. Remember, the mobile category is for street-legal mobile setups, so antennas must be no higher than what is legally allowed on public roads and highways. We will measure!

Another additional option is to allow the mobile operator to run his own rig and amp and go for broke - truly, who is the loudest! It just depends on how much time and how many participants we have.

This will be great fun, so get those mobile setups fine tuned for Eyeball weekend and we'll see you in New Joysie (Copyright N2XTT).

TOO MUCH RTTY KEYBOARD TIME?? OF COURSE NOT!

From WF1B-RTTY Reflector

You know how it is, late at night, when you're CQing on 40, there's no one else on and you're getting no answers.

Your mind starts to drift... most guys think about beer and other things, but you start thinking about RTTY.

You think "Of course, why not?" Well, my friend, it could be you've been doing RTTY a little too long.

Here's a simple test. See how many fit you to a "T".

1. When you hear "T", you immediately know it's just an unshifted "5".

2. When the phone rings, you press F2.

3. You believe the software capital of the world is Rhode Island.

4. You actually know how to spell

"Ortgiesen", doesn't everybody?

5. You believe the three greatest intellects of all time were Socrates, Albert Einstein and Emile Baudot.

6. You know exactly what TOOAWT means.

7. You believe the world would be a better place for children to grow up in if everybody used Unshift-on-Space.

8. You lull your children to sleep by explaining the difference between FSK and AFSK.

9. You recently emailed your congressman about outlawing use of a slant bar (/) in exchanges. (You're eagerly awaiting his response.)

10. You can't remember your kids' or wife's birthdays, but you know the RTTY Roundup is the first full weekend in January.

11. You can whistle a perfect CQ TEST.

12. And most telling of all: Your children are named Mark and Space.

YOUR SCORE:

0-2 - You subscribed to the RTTY reflector by mistake.

3-5 - You have some certificates on the wall, but you want more, lots more!

6-7 - You think SO2R is for wimps. REAL operators have more radios than HRO.

8-9 - Your hearing test showed an unusual peak around 2125-2295 Hz.

10-11 - The Fire Marshal wants to see you about all that varnished wood on the wall.

12 - In spite of your perfect score, you don't really see the point of this test in the first place. (But you do want the plaque!)

EYEBALL 2002 - Our 25th Anniversary

Our 2002 Eyeball Coordinator and Host—WA2JIM—has announced all of the arrangements and plans for the 2002 Eyeball to be held in New Jersey the last weekend in July. The area is popular and space at the campgrounds and area hotels will fill up quickly. Be sure to get your reservation in early and attend the main event of our 25th Anniversary year. See you there!

2002 25th Anniversary Eyeball

Saturday, July 27, 2002

Beaver Hill Campgrounds
Hamburg, New Jersey

Keynote Speaker

Steve Mendelsohn, W2ML
Assistant Director of the
ARRL Hudson Division

The Eyeball is a chance to connect faces with familiar voices and callsigns and a opportunity to renew old friendships.

This year's venue is a lovely campground in northwestern New Jersey, on top of a hill, surrounded by trees, away from the hustle and bustle of normal every day life.

In addition to Steve Mendelsohn, the keynote speaker, Gene, K2KJI, a local equipment vendor and regular exhibitor at Dayton will be showing his wares and will be giving a related talk. We are looking for additional exhibitors.

If you will be staying at a local hotel/motel, please reserve early – the local rooms fill up fast.

Likewise, if you will be camping at Beaver Hill, please reserve early, they also tend to fill up.

Note: A blank registration form is included with this issue.

Tentative Schedule

Thursday, July 25

6 p.m. Simple dinner (hot dogs, hamburgers, etc.) if there is sufficient interest.

8 p.m. 40 meter net from individual vehicles

11 p.m. 80 meter net from individual vehicles

Friday, July 26

Set up antennas and club stations

6 p.m. Dinner on site if there is sufficient interest.

8 p.m. 40 meter net. 3905 CCN club station will be net control with duties shared by eyeball attendees.

10 p.m. 80 meter net. 3905 CCN club station will be net control with duties shared by eyeball attendees.

Saturday, July 27

8 – 10 a.m. Breakfast served on site if there is sufficient interest.

12 – 1 p.m. Burgers and dogs available

2 p.m. Equipment talk by Gene, K2KJI. Gene is a local equipment vendor and has been a regular exhibitor at Dayton for a number of years.

2:45 p.m. Keynote talk by Steve Mendelsohn, W2ML. Steve is currently the ARRL Vice-Director of the Hudson Division and was formerly 1st Vice-President of the ARRL. Since the ARRL Board

Meeting is only 2 weeks before the Eyeball, Steve says there will be plenty for him to talk about.

3:45 p.m. Awards and door prizes.

4:30 p.m. Board of Directors meeting

5 p.m. Dinner. Our roast beef will be marinated overnight and then cooked on a rotisserie over charcoal. It will be served with New Jersey corn on the cob (picked that day) and marinated Jersey tomatoes. My wife begrudgingly acknowledges that New Jersey corn is even better than Rhode Island corn. We're still working on the rest of the menu – salad and or veggies (something green), dessert, coffee, and soda (pop if you live west of the Delaware River).

6 p.m. 20 meter PSK Net. Let's see how much progress toward a 100 point certificate we can make in one night!!

7 p.m. or so – BINGO – We're looking for appropriate ideas for prizes.

8 p.m. 40 meter net. 3905 CCN club station will be net control with duties shared by eyeball attendees.

10 p.m. 80 meter net. 3905 CCN club station will be net control with duties shared by eyeball attendees.

Sunday, July 28

10 a.m. (May be earlier) A farewell breakfast at the Sussex Queen, a diner that is a few miles down the road.

AM Broadcasting

Hams have a distinguished and long history of developing new technologies. Okay, so some of our efforts don't always work, like my attempts to install ham radio on my dog sled, or my electrically heated toilet seat (the scars on my posterior are finally healing). But even our failures are beneficial in that we sometimes learn what not to try. Unlike Hams, our brethren in the broadcasting field are often slow to migrate to new technologies, unless they're forced by economic reasons.

With the onslaught of low-powered FM radio stations, satellite delivered multi-radio streams and web casting, AM radio stations are being forced to change their ways in order to survive. The monaural, static susceptible, analog signal is no longer an acceptable quality to the listening public. So what's an AM broadcaster to do?

In the early days of broadcasting, AM radio was king of the hill. Dissemination of information to large areas was more important than the quality of the signal. The proliferation of FM stations with their stereo, static-free audio relegated AM to an "also ran" status. A few years ago there was even a proposal to the FCC to disband the AM service and reallocate the entire spectrum.

AM radio has been declining for many years, but what will turn the situation around again?

The answer is IBOC, In-Band On-Channel Broadcasting. In July of 2000 two companies merged, USA Digital Radio and Lucent Digital Radio to form Ibiquity Digital Corporation. Ibiquity has developed and proposed to the FCC a new digital AM and FM standard. IBOC.

By Joe Seibert, AL1F

The initial digital system will be a hybrid of analog and digital for several years. This will enable manufacturers to develop and market IBOC receivers while still allowing consumers to receive the analog signal. The hybrid system will be 30 kHz wide as opposed to the current 20 kHz analog signals and it will contain multiple carriers.

The digital receivers will decode the signal and reproduce stereo audio at 15 kHz. The IBOC system will reduce the analog bandwidth from 20 kHz to 10 kHz, thereby creating room for the digital carriers.

Graphically the signal will look something like this:

Looking at the graphic you can see that there is 20 kHz of spectrum available for the digital information, from 5 to 15 kHz on both sides of the analog signal. So the challenge is to get a high quality stereo signal in the available spectrum. The Ibiquity solution is to use an encoding

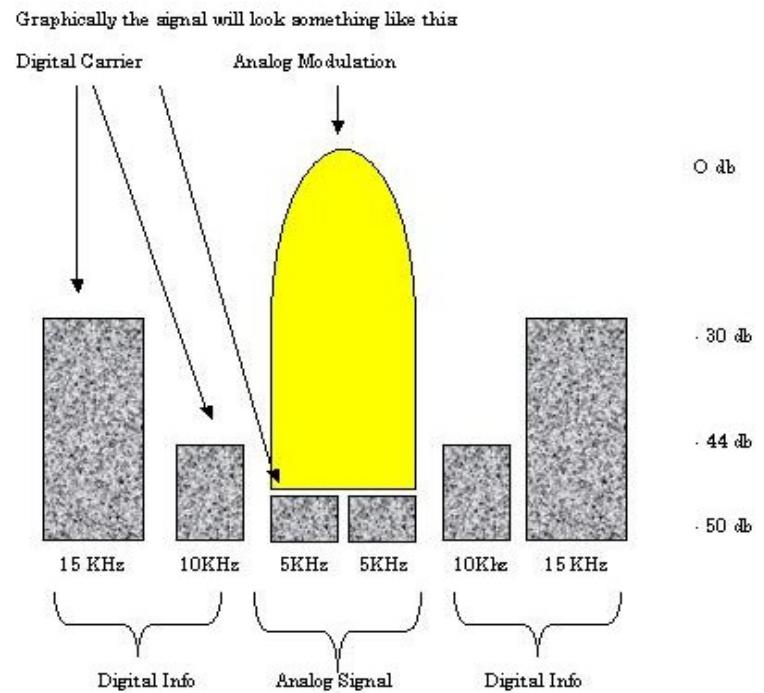
scheme call PAC, (Perceptual Audio Coding) which will enable a 38 K/bps stream in the 20 kHz spectrum.

Notice that the digital signal is -50 db below the carrier. This scheme makes it inaudible to the listeners. The digital information in the sidebands is at -30 db to

reduce inter-modulation interference.

The Hybrid IBOC scheme offers several advantages and some disadvantages. On the negative side broadcasters will have to deal with group delay, making sure that all the frequencies arrive at the same time. I'm not just referring to the delay in processing between the analog and digital signals, but within the digital signal itself.

Plain speech will pass through an IBOC encoder with little delay, but as the signal becomes more complex, voice and music, the frequencies will be subject to varying amounts of delay. After the digital signal delays are compen-



sated for then the analog delay must be calculated so that both signals arrive at the same time.

The hybrid system will also limit the analog modulated bandwidth to 5 kHz. But most commercial AM receivers don't pass 5 kHz now, so the noticeable effect to the public will be minimal. However,

AM Broadcasting (Continued)

SWL and Hams will definitely notice the difference. The analog signal will not be as broad across your receiver as it is today.

The cool aspect of IBOC is that broadcasters will be able to send out a 10 K/bps data stream before the transition to an all-digital signal. The IBOC receivers will have a front panel screen in which the data stream will send text messages such as the name of the song and artist currently airing, the station's call sign, time and temperature, and yes, even adver-

tisements.

So what's this mean to me? It means that you'll probably want to purchase a new receiver for you car and home to take advantage of the digital revolution. It also means that AM radio will be the reigning king of the broadcast world, again. AM signals will be stereo and sound just as good as their FM counterparts. But they will still be able to cover a larger area than the line of site FM signals.

I had the opportunity to listen to an AM IBOC transmission at

the National Association of Broadcasters Radio Show in New Orleans last fall. It was a real treat; the quality was nearly the same as a CD.

The IBOC model is expected to be approved by the FCC sometime this year. Receivers will probably start showing up on the market sometime early in 2003. Many broadcasters are already positioning themselves to transition to In-Band On-Channel broadcasting.

- 73 Joe AL1F

N8DXR (Continued from Page 13)

Sitting at table enjoying dinner and drinks while waiting to get in line are four stations (no change here, either) that need only one Basic award to have ALL the point honors and get interro. . . er, interviewed by yours truly, no matter who they are (you noticed?).

These three still need only their 80 meter CW net certificate: - WQ1H (Say HI to Ginger for me, Dave) - KA4BHL (Clarence: I'm callin' ya, man!) - N8DXR (hate to say this, but scratch to '02-'03; do NOT ask why) And K1DWI still needs his 40 meter RTTY basic award. Hey Bob – just how close *are* you to getting this one, if we may ask???

Finally, these same folks still lack these Basic certificates to have worked 100 point awards on all our required nets and are still at the bar at last check:

160 SSB - K5YAA (never showed up during the WPX....hmmmm.....) N1EM (via KV1J now, in case you missed)

40 RTTY - N2BYM, W2WW, WV2X, K8PG, WK9O

40 CW - W9VB (where's that phone book???)

80 CW - W1BYH, KE3ZZ, AC5SU, K6FO, W7DO, WM9H, K0WJ

As for stations in this section regarding their point needs for the very top level, no change once again. WM9H still needs the 2k award on 75 meters, N2BYM and W9VB each need their 2k awards on 40 and 75, and W7DO needs his 1k and 2k on 75 meters.

And as always: If anyone out there wants the Cross Reference after the updating is finished OR the latest collection of roster pages or both, just request them via email or send me two blank three and one half inch diskettes (OR one recordable CD now that I have a burner in my computer tower) and I'll get them off to you, return postage is optional.

Remember the files are in Microsoft Word 97 .doc format, so if you do not have that word processor available, let me know and I'll see what can be done to help.

From an earlier column, this modified caveat on the above: I am also willing to provide hard copies of the new rosters and the Cross Refer-

ence for those who want them, but please note that such a request involves almost 200 printed pages.

Since this is America, however, something can be worked out. The best advice: Get them on disk or via email (note that the latter is still going to be a big collection if you go that route), put the files on your system and YOU print out what you want to your heart's content.

Epilogue

It's April 5, 2002 as I finish this edition's effort.

Papers surround my computer here at what was my dad's (and is now MY) business (thrill, thrill) and there is work to be done, mostly monthly bill loggings and painting tanks of various compressed gases, the latter I'll do when the wind warms up a bit.

Let me know if you're in the area sometime, and I'll do my best to be here when you stop in.

Yeah, I know...it's a wreck at the moment, but it's home.

Until the Eyeball issue...

N8DXR - Tom In MI

The 3905 Century Club, Inc.



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The Official Newsletter of The 3905 Century Club

On The World Wide Web
www.3905ccn.com

Looking For Public Relations Opportunities

Kevin—WMØF is the club Public Relations Officer and recently he got the club some press on the weekly web site review on the ARRL on-line news, which has already brought us more new checkins.

Soon we will also have an article in the Strays section of QST, thanks to Kevin's work. He is also exploring other ways to advertise the club and is open for more ideas.

If you have any ideas for Kevin, please contact him direct.

SUBSCRIPTION INFORMATION

Subscriptions to The Centurion are available in two flavors—hard copy and electronic copy delivered via email.

Annual subscription fee for the hard-copy version is \$11.00 for five issues.

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