



# THE CENTURION

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## WL7K Receives Reginald Fessenden Award, Cert. #1

Nick Heineck, WL7K, of Sodaville, Oregon, recently completed the necessary contacts on the 3905 Century Club's to earn Certificate No. 1 of the new Reginald Fessenden Award by going mobile of portable from Canada and making 10 contacts from nine provinces.

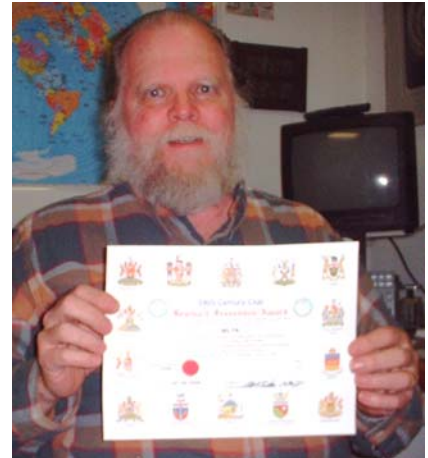
Three Number 1 certificates were issued for SSB, Worked All Canada-2 Letter Calls (9 Provinces), and SSB Worked All Canada-Mobiles (9 Provinces); 75 M SSB Worked All Canada (9 Provinces); to Jay Weiland, N0PUI, of Le Sueur, Wisc.

"We evaluated the names and achievements of famous Canadians connected with radio and Reginald Aubrey Fessenden was the most appropriate person with a connection

to amateur radio," Larry K0HNM explained. "He was the first person to prove that voices and music could be heard over the air without wires."

Nick became an amateur radio operator in 1956 when he and Bill, his dad passed the novice test together. His dad's call was KN7GOP, and Nick's was KN7GOQ. He upgraded to a technician in 1959, while attending Navy Electronics Technician school on Treasure Island near San Francisco Bay.

In 1962, after leaving the U.S. Navy, Nick went to work for the Federal Aviation Administration, a job he held for 37 years. When he was an electronic technician in Long Beach, Calif., Nick's call was W6LEZ, a  
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*Nick Heineck, WL7K, of Sodaville, Oregon, proudly holds Certificate No. 1 of the Reginald Fessenden Award he received for working all Canadian provinces.*

## Operators Line Up to Compete in Fourth Annual 'Antenna Shootout'

About 50 registered members and guests participated in the fourth annual antenna "shoot-out" July 30 at the 3905 Century Club's annual convention at Red Top Mountain State Park near Cartersville, Ga. Thirteen competing systems were used and five participants had time to re-test or try other configurations, with a mixture of recorded scores spread over quite a range, but the winning scores were interestingly close together.

"The mixture of recorded scores were spread over quite a range, but the winning scores were close together," explained Tom, AA1NZ.

The results were posted in order of strongest to weakest signals, type of antenna, type of vehicle and mount

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*Top Gun in the antenna shootout was William Dobson III, N3WD.*

## Slate of New Officers Up for Election

The Century Club's 2006 election season started Oct. 1, with elections for electing Area Directors for the even numbered call areas (2nd, 4th, 6th, 8th and 10th call areas). The club will also be electing a President for a two-year term. All terms begin March 1, 2006.

While there will be an election on-the-air during normal net times on 40 and 75 meters, it is not until Jan. 30 and is for president only. Election results will be announced the night of Jan. 30th.

Voting for Area Director is by written ballot only. Members can either mail their ballot for Area Director directly to Bill, WM4SG (be sure to

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# August Online Survey Tallies Members

More than 300 Century Club members participated in an August online survey on club calls, number of lines on checkins, calls per turn, attempts at contacts and question on relays. The information was furnished to the Board of Directors which was expected to use the survey results to make final decisions on the topics.

**Question 1: There has been a lot of discussion on the use of club calls on our nets. A change was just approved by the Board of Directors to restrict the use of club calls.**

Fifty-seven percent of the members polled agreed with the new changes; 16.1 percent said they liked it the way it is, with as many calls as people want; 12.5 percent said the new changes are fine, but it should be tighter; 9.4 percent had another view, included in comments; and 4.8 percent suggested eliminating clubs all together. Of the total participants voting on this question, 69.7 percent agreed with the new rules.

**Question 2: Which statement comes closest to your view on state line check-ins?**

The vast majority, 74.8 percent, preferred no limitations on the number of states on a state-line check-in, while 21.3 percent said only two states should be allowed on a state-line check-in, and 3.9 percent said it was OK to allow three states on a state-line check-in.

**Question 3: If someone is on a state line or has multiple calls, should there be a limitation on the number of calls they can make during each round of the list?**

A majority of respondents, 55.6 percent, favored one call per round, per operator, irregardless of the number of call signs checked into the net. Votes were closely grouped for the other choices, with 18.5 percent indicating they should get a maximum of two calls; 14.3 percent said they should get one call for each state only; and 11.6 percent said they should get one call per each state and each call sign.

**Question 4: Comments, following are a sample of comments from the survey results. This is only**

**a sampling as many comments were long or confusing or unrelated to the questions asked.**

I feel the multiple clubs greatly cheapen the accomplishments of everyone.

I have always been concerned about “use my club” situations and got a bunch of crap when I suggested stopping it.

I feel the multiple clubs greatly cheapen the accomplishments of everyone.

- I have always been concerned about “use my club” situations and got a bunch of crap when I suggested stopping it.

- I favor the idea of fixed clubs being allowed to bring the club to the net.

- I am glad that the board has finally decided to do something about this problem. Good decision! I just hope the board has the gumption to stick by their guns!

- I would like to see a maximum of one club and/or special event call in addition to a checkins regular call.

- I think clubs are OK, but if you check in as a club, then you shouldn't be able to check in with your personal call. One checkin per person using any call valid for that person.

- We don't want to be too hard on those that go to the trouble of being on a state line but it should be fair to everyone

- I agree that if a club call is used the person should actually be a member of that particular club. Multiple operators taking a call around the country for which they are not a member cheapens the award. Just my opinion.

- Bona Fide members of a legitimate club (instead of just the trustee) should be allowed to bring that callsign on the net as a mobile or portable. A member or guest operating from a fixed club station should be allowed to bring that club callsign on the net.

- Clubs should be allowed to be brought to the CCN by any

LEGITIMATE club member of that club.

- The “Trustee or Member” rule should only apply to portable or mobile clubs. Anyone physically located at the “club station” should be eligible to check the club in.

- The concept of only letting club trustees use the club call seems wrong, and creates an enforcement nightmare. I would suggest limiting sign-ins to one club.

- Everyone that is fixed has worked everyone else so now you have to work someone that is mobile. Before long we will not have anyone to work as we have worked all the club call from the same mobile. I don't think this is what we want to do.

- My preference is three lines period maximum. Level the playing field.

Again, this is a sample of the comments and is not intended to be all inclusive.

**Question 5: How many attempts should be allowed before the NCS calls a halt and moves on?**

Fully 89% of the respondents felt that 2 or 3 calls were sufficient and generally the decision should be left to the NCS to handle. Funny enough that 5% said we should allow as many tries as needed to make the contact.

The current practice leaves it in the hands of the NCS to say “enough”, so no changes in this rule are anticipated nor will be offered at this time.

**Question 6: Question asked whether call signs should be relayed by NCS at the end of a contact.**

Again, a majority of 77% said yes, while 23 percent said no or selected other options.

Once again, the current practice leaves it to the NCS to make the decision, so no changes in this procedures are anticipated nor will be offered at this time.

**Question 7: Comments were solicited for any other ideas to improve net operations. Again, a sampling of the responses follow:**

I find the “no relay” status ridiculous. I personally operate this

# Opinions About Net Operating Procedures

way because it is my belief that it is the ONLY way to have a two-way contact. Otherwise, it is a three-way contact and that is not valid. NO STATION should be relayed. As for reports, if you cannot reasonably copy a station, you should NOT be calling them. Any report of 2x2 is the same as saying "I can't copy you but I need your QSL card for a 3905ccn award". That's what it amounts to. In my opinion, if you cannot copy a station with a readability of 4 or 5, you should not be calling them. Anything less is foolish to deal with.

- Less chit-chat, get on with the program.

- Have NCS stop using the word ahhh - dragging it out for 10 seconds then continuing his thought. Have more snappy contact nets. Have more mobiles get a second call nights in appreciation of their donation of time and locations to the net. Have more Rodeo nights.

- In my short participation I have noted that net members sometimes get overzealous in trying to assist the NCS. I believe that the net control should run the net with a more firm grip.

- Limit taking new checkins to "at the tens"; don't take checkins when there are less than 20 remaining calls on the list. Taking checkins any time slows down the net, and when the NCS is down to less than 20 remaining then "lates" can wait until the end of the next round. Giving them a call before that is unfair to others who have been waiting.

- There are certain people who simply will not listen to NC's request that no one relay without being asked. If they would 'put-a-sock-in-it' the checkin process would go faster. One in particular is really bad, but he won't tolerate it when he's the NCS.

- Callsign relays help speed up the nets. I know it is not a purist way of doing things, but it is better to keep the net running.

- Run the net like the NCS rules say. Run for 30 min before taking check ins. Then every 20 calls after that. Taking after every 10 takes up to much time and it never fails someone

calls check in after 3 or 4 call are made and then the net stops again. Maybe some day the same ones will start checking in on time and not late all the time

- Stations should not be allowed to PASS, they should be required to Go Up for Grabs and let the rest of the net determine if a contact is needed.

Again, this is a sample of the comments and is not intended to be all inclusive.

**Note:** The entire results of the survey has been furnished to the Board of Directors for their consideration. Anything that identifies the source of the survey or the individual making comments has been removed to assure anonymity.

As President and the originator of the motion at the recent Eyeball Board meeting, I have offered a substitute motion to replace the rule change just passed by the Board. The revised rule I proposed--as a result of this survey is printed here.

The revised rule and motion follows below:

## **The Motion Is:**

"Checkins are limited to no more than (1) the callsign of the individual, (2) one club callsign and (3) one special event callsign. If there is no special event callsign, any individual checking in is then limited to a maximum of two checkins, for the primary callsign and one club callsign.

The 3905 Century Club will assume that any club callsign operation on Century Club nets has been authorized by the trustee of that respective club callsign. In addition, club callsigns may not be passed on or assigned to any individual during actual net operations.

If located on a state line or multiple state lines, each individual checking in is entitled to a checkin line for each callsign and state involved. Each individual, on their turn for a call, is entitled to one call on any round."



*Mike Bishop, KC4GS, who lives in Northport, Ala. just got back on the air after a tornado came roaring through his area and dismantled his antenna farm.*

# 13 Competing Systems 50 Members Participate

... from page one  
location, which are also included in the chart to allow the “systems” to be compared.

The “shooting range’s” location year was certainly unique,” said. “We had asked for a location away from the crowds and traffic and that is exactly what President Bill gave us!

The test range was a large open parking area back in the woods, about a mile off the main road, and beside the lake (What a beautiful, peaceful spot).

I think a few of the shooters / observers who temporarily lost their way while trying to find the site hadn’t believed me when I told them to disregard and go around a couple of boulders that had rolled into and were partially blocking the sometimes one lane dirt road. But eventually, all found their way and quite a nice crowd developed.

At the transmitting end of the range, contestants were allowed to choose any vehicle position they desired. But, they were required to

remain behind a log that had been designated as the transmit location. When both ends of the range were ready and a shooter was in position, an “arms up” or “transmit now” signal was given from the receiving end of the range.

The average reading was recorded at the receiving end, and then transmission was ended by “arms down”. This transmit and record procedure was repeated and the readings compared to insure they would remain consistent (which all did).

The Test Transmitter was very similar to those used in prior shootouts. Everything including the dummy load, Bird wattmeter, transceiver and antenna switch was mounted on a felt covered board and used in each vehicle tested.

We used an Alinco DX-70 transceiver with a cigar lighter power plug attached and set the transmitter on the low power setting of about 15 watts. We had the rig output fed into a two position antenna switch, and when we set up in each test vehicle, we keyed the

rig into a dummy load to verify the power in each test vehicle was the same.

We then changed the switch position so that the antenna under test was connected and waited for the signal to transmit.

The test receiver was the same loop antenna arrangement we have used each year. It was positioned downrange from the transmit location by about 130 feet (roughly a wavelength at our test frequency).

The loop antenna is attached to a metal “handy box” which sits atop a 5-foot mast supported by a tripod. Inside the box is a tuned LC circuit with a voltage picked off across the inductor. Also inside the box is a



Antenna Shootout coordinator Tom Bates, AA1NZ, checks out the SWR on the receiving antenna.

# in Fourth Annual ‘Antenna Shootout’

germanium diode bridge which converts the signal to a DC voltage.

In order to remain out of the immediate vicinity of the loop, this voltage was fed down a 35 foot shielded wire (about a quarter wavelength on our test frequency) and was laid out away from the loop antenna in the same plane as the propagating transmitted signal. The wire terminated in a plastic box with connections for a millivoltmeter. Accuracy and repeatability was checked frequently as the contest progressed, and all were satisfied with the performance of the testing equipment.

The recording equipment was used at prior shootouts and was a software controlled digital voltmeter. This inverter powered equipment was all set up on the tailgate of AA1NZ’s truck

(as well as the fan keeping Tom cool as he sat in his easy chair and recorded the results — It was HOT down there in Georgia at the end of July!). The 3 digit millivolt resolution was displayed in full screen on a laptop computer so many could simultaneously observe the results in real time.

After the shoot out, some contestants wanted to try other ideas and see what would result.

Lon, K0WJ, added a 19 foot whip to his Predator (making it illegal in competition). His signal went from a 40 to a 67.

John, K9TWW, wanted

to see how much his cap hat helped. When he removed it, his signal dropped from a 38 to a 30 (hmmm.... would have lost his second place if he hadn’t have had it on).

Several others tried different settings. We all had an excellent morning socializing, learning new things and making plans for our next contest gathering.

It was a pleasure for me to organize this shoot out. A special thanks goes to President Bill Martin, WM4SG, and his family for hosting this memorable eyeball meeting.

And no report is

complete without thanking the troops in the background who really make it happen... Thanks, Guys.

W4BUR, Joe, ran the show from the transmitting end. Did all the test rig in / out and transmitting. Also, kept on Tom’s butt via radio to keep things moving on the receiving end.

KS9WI, Keith, traffic control and chief honcho in the staging area. He was forced to growl at a few who were anxious and tried to “cut in line.”

NM3U’s harmonic, John (age 12). First Class “Arms Up/Arms Down” signalman and just getting started in ham radio.

Thanks, I hope everyone you had as much fun as I did. If you weren’t able to attend this year, hopefully you will be able to join us in 2006 in Minnesota.



CALL	Antenna Type	Vehicle	Mount Position	Recorded signal
N3WD	Tarheel/Screwdriver	F-150 P.U.	Center rear box, high	42
K0WJ	3-in. Predator	Ram 1500 P.U.	Center rear hitch	40
K9TWW	2-in. Predator	Ford Esc.	Driver’s low rear	38
N20CW	Ant. A-Hamstick	Ford Expl.	Top center roof	36
WQ1H	Hustler	Minivan	Center rear hitch	25
N5USH	Hi-Q	Ford Expl.	Driver’s low rear	22
N20CW	Ant. B.-HS1500 Screwdriver	Ford Expl.	Low rear	22
KA8AXY	3-in. Predator			17
2nd test	Engine off	F-250 P.U.	Left rear bumper	18
	Engine on			21
	Truck at angle to Rxer			
KS9WI	TarHeel SD	Ram 1500 P.U.	Left rear	16
Second test	Diagonal to Rxer			19 (OK, final score)
N5OHL	Kenwood MA-5	Dodge Minivan	Left rear	16
NM3U/rear to Rx	Hustler	Honda sedan	Rear low	12
2nd test Frt to RX				12
3rd Test Side to RX				10
AF4LD	Hustler	Hyundai sedan	Trunk lid	10
N9KNJ	Hustler Super	S-10 P.U.	Rear bumper	9
KB8ESY	Hamstick/Rex Had Some	PT Cruiser	Rear hatch	0 (UH-OH)
2nd test	Serious Problems	sedan	Ahh Duck tape	3 (OK as final score)

# 2006 Eyeball Planned in Le Sueur, Minn.

It seems like yesterday we were at the 2005 Century Club Eyeball in Georgia. Yet almost three months have passed already and plans are underway for the 2006 Eyeball which will beheld at the Le Sueur County Pioneer Power Show-grounds, seven miles east of Le Sueur, Minn.

The 2006 Eyeball Coordinator Jay L. Wieland, N0PUI, has been active with the Century Club since December 1999. He is also the 10th Area Director.

Jay has been able to attend past Eyeballs in Missouri, Oregon and Georgia. Much knowledge has been gained and activities are now being planned to make the Minnesota Eyeball a memorable event.

The mainstay of the Eyeball is the nightly operation of the early and late nets on 40 and 75 meters

and the mobile antenna shootout. (See the front-page story about the 2005 shootout).

During the Georgia Eyeball, Jay suggested and took charge of a special QRP net for members in attendance and plans to hold the same event at the Eyeball in Minnesota.

The purpose of the QRP net was so attending operators could work each other for the contacts and leave regular net time open for the membership to contact operators at the Eyeball during regular net times.

This went over as a hit, so Jay is now planning to run QRP nets again in Minnesota on Thursday and Friday evenings, two hours before regular scheduled nets.

During the 2006 Antenna Shootout, four-wheelers will have their first opportunity to compete against 18-wheelers.

“This is a new twist,” Jay said. “If you have an 18-wheeler and claim the trailer is part of your antenna, then lets see whether that helps the signal.”

There will be room for 18-wheelers to navigate at the site, with their trailers attached and check their signal.

“Not that the 18-wheelers are instant winners, this remains to be seen,” Jay said. There will be plenty of room to pull the 18-wheelers onto the grounds and park for the competition.”

Events being planned include:

- Regular nets on both 40 and 75 meters;
- CW nets on 40 meters and 75 meters;
- PSK/RTTY on both 40 and 80 meters, for operators looking for that 100 point certificate or completing one;

· Antenna Shootout, a yearly event coordinated by AA1NZ;

· The annual board meeting;

· The annual banquet, Minnesota-style; and

· Saturday morning pancake breakfast.

Aside from radio-related activities, his wife Pauline says there are lots of activities for families. The area features the famous Mall of American in Bloomington, Minn., with four floors of shopping and Camp Snoopy. There is also the Valley Fair Amusement Park, in Shakopee, Minn., about an hour’s drive from the Eyeball.

Fishing is fantastic at Cedar Lake, north of New Prague on Lake Washington.

Other events at the Eyeball will also feature hay rides, camping and outdoor activities.

## Photos from the Georgia Eyeball



# Latest Awards Announced

August 2005

Band	Mode	Award	Number	Call	Band	Mode	Award	Number	Call
20	CW	100 Point	31	KI7PM	40	SSB	Worked All States QRP (50 States)		
20	PSK	100 Point	31	WA3KYY				980	N1NU
40	CW	100 Point	133	K8HE	40	SSB	Worked All States Basic (50 States)		
40	CW	100 Point	134	WU8Q				983	K4HTV
40	CW	100 Point	135	WA5AUR	40	SSB	Worked All States Canadian		
40	CW	100 Point	136	KJ4JC			Endorsement		N1NU
40	CW	100 Point	137	KE5AQD	40	SSB	Worked All State Caps (40 States)		
40	CW	100 Point	138	N0PUI			Endorsement		WA4ERU
40	CW	500 Point			40	SSB	Worked All States YL (35 States)		
		Endorsement		W4BUR				119	N0PUI
40	CW	Worked All States (50 States)			40	SSB	Worked All States YL (35 States)		
		22		N2OCW				120	KE4DYG
40	SSB	100 Point	2379	WB5RKU	40	SSB	Worked All States YL (35 States)		
40	SSB	100 Point	2380	AI5F				121	WD4MXW
40	SSB	100 Point	2381	WA6CDO	75	SSB	100 Point	2636	AI5F
40	SSB	100 Point	2382	NW0W	75	SSB	100 Point	2637	KC4GS
40	SSB	100 Point	2383	WF8P	75	SSB	100 Point	2638	NW0W
40	SSB	100 Point	2384	KE5AQD	75	SSB	100 Point	2639	AK4TC
40	SSB	100 Point	2385	KC5QCB	75	SSB	100 Point	2640	KI7PM
40	SSB	"1,000 Point"			75	SSB	500 Point		
		466		W4NFT			Endorsement		KC2IYE
40	SSB	"3,000 Point"			75	SSB	Alphabet	413	KI4GAK
		110		N9KNJ	75	SSB	Baker's Dozen W/WC0PD		
40	SSB	"5,000 Point"						1387	KI4GAK
		58		N0PUI	75	SSB	Nite Owl	267	KB5WCZ
40	SSB	"6,000 Point"			75	SSB	Nite Owl	268	KI4GAK
		43		WM9H	75	SSB	Nite Owl	269	NC4JR
40	SSB	Alphabet	412	N3WD	75	SSB	Nomad	104	N3WD
40	SSB	Alphabet	414	KD1EJ	75	SSB	Nomad (200 Point)		
40	SSB	Baker's Dozen W/WC0PD					Endorsement		N3WD
		1386		N1NU	75	SSB	Nomad (300 Point)		
40	SSB	Baker's Dozen W/W1FTW					Endorsement		N3WD
		1388		WA5AUR	75	SSB	Officers	740	K0HNM
40	SSB	Baker's Dozen W/NJ2LH			75	SSB	Worked All States Basic (50 States)		
		1389		WA5AUR				977	KB5WCZ
40	SSB	Baker's Dozen W/WC0PD			75	SSB	Worked All States Basic (50 States)		
		1390		KD1EJ				978	KI4FBC
40	SSB	Certificate Hunters			75	SSB	Worked All States Basic (50 States)		
		389		KJ4JC				981	N1NU
40	SSB	Certificate Hunters (500 Point			75	SSB	Worked All States QRP (50 States)		
Endorsement)		Endorsement		W5IL				982	N1NU
40	SSB	DX	81	N0PUI	75	SSB	Worked All States Canadian		
40	SSB	DX	82	N9KNJ			Endorsement		N3WD
40	SSB	Nite Owl	240	KC0OCC	75	SSB	Worked All States Caps (40 State)		
40	SSB	Nomad	150	N3WD			Endorsement		N3WD
40	SSB	Nomad (200 Point)			80	CW	100 Point	83	KI7PM
		Endorsement		N3WD	160	CW	100 Point	4	N2OCW
40	SSB	Nomad (300 Point)					Baker's Dozen Mobile By	WA5AUR 170	NJ2LH
		Endorsement		N3WD			Call Area (1st Call Area)	319	N3WD
40	SSB	Nomad	151	KJ7CU			Call Area (4th Call Area)		Endorsement N3WD
40	SSB	Nomad	152	K0HNM			Call Area (5th Call Area)		Endorsement N3WD
40	SSB	Nomad (200 Point)					Call Area (7th Call Area)		Endorsement N3WD
		Endorsement		K0HNM			Call Area (8th Call Area)		Endorsement N3WD
40	SSB	Poker Players					Call Area (9th Call Area)		Endorsement N3WD
		64		K8HE			Call Area (10th Call Area)		Endorsement N3WD
40	SSB	Worked All States Basic (50 States)					Call Area (4th Call Area)	320	WA4ERU
		979		N1NU			Call Area (7th Call Area)		Endorsement WA4ERU





# 40M Bureau Manager Comments on Procedures

First, let me thank all of you who send cards to the buro that have been presorted by call area--that really helps me get the cards to the right bucket when I open your envelopes.

Second, the large majority of cards that the 40m buro receives are in the size range of 5.5 to 6 inches wide width and 3.5 to 3.75 inches high; these sizes fit well into #10 business sized envelopes.

For those of you who have larger cards, please try to limit the height of the cards to less than 4

inches. Cards with heights larger than 4 inches do not fit into the envelopes. I will trim any cards that are 4 inches or more down to 3-7/8 inches. If you do not want your cards trimmed by me, either trim them yourself or fold them in half before you send them to the buro.

Third, when you send cards in for clubs and special event stations that you have worked, you must put the operators call on the card so that I know which

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Band	Mode	Award	Number	Call	Date	Band	Mode	Award	Number	Call	Date
40	SSB	500 Point Endorsement	WA1UDI		10/31/05	75	SSB	100 Point	2645	WA1UDI	10/17/05
40	SSB	"1,000 Point"	471 N7BYU		10/11/05	75	SSB	100 Point	2646	AI3CD	10/26/05
40	SSB	"2,000 Point"	209 WN5M		10/11/05	75	SSB	100 Point	2647	KC9GGV	10/31/05
40	SSB	"2,000 Point"	210 VE4ABU		10/31/05	75	SSB	500 Point Endorsement	WU8Q		10/31/05
40	SSB	"4,000 Point"	75 WA4BKW		10/17/05	75	SSB	"1,000 Point"	448	KI8SS	10/31/05
40	SSB	"5,000 Point"	59 WQ1H		10/12/05	75	SSB	"1,000 Point"	449	WU8Q	10/31/05
40	SSB	"12,000 Point"	12 K7MFG		10/17/05	75	SSB	"3,000 Point"	69	WM9H	10/12/05
40	SSB	Baker's Dozen W/WC0PD				75	SSB	Alphabet	420	KJ4JC	10/17/05
			1395 W4CKT		10/17/05	75	SSB	Baker's Dozen W/KG4NBL			
40	SSB	Baker's Dozen W/NW9H							1397	K4KKJ	10/26/05
			1396 NW9H		10/26/05	75	SSB	Baker's Dozen W/KG4NBL			
40	SSB	Clint Wise Mobile (30 State)							1398	K6CRA	10/26/05
		Endorsement	WN1H		10/12/05	75	SSB	Nite Owl	271	KI7PM	10/17/05
40	SSB	Clint Wise Mobile (40 State)				75	SSB	Nite Owl	272	K6CRA	10/26/05
		Endorsement	WN1H		10/12/05	75	SSB	Officers	746	AI5F	10/26/05
40	SSB	Clint Wise Mobile (30 State)				75	SSB	Officers	747	KI4ECX	10/26/05
		Endorsement	WQ1H		10/12/05	75	SSB	Worked All Canada (9 Provinces)			
40	SSB	Clint Wise Mobile (40 State)							1	N0PUI	10/18/05
		Endorsement	WQ1H		10/12/05	75	SSB	Worked All States (50 States)			
40	SSB	DX	85 KJ7CU		10/17/05				988	K6CRA	10/26/05
40	SSB	DX	86 WA4BKW		10/26/05	75	SSB	Worked All State Capitals (40 States)			
40	SSB	Journeyman	44 W4CKT		10/17/05			Endorsement	WD4MXW		10/17/05
40	SSB	Nite Owl	244 KC5QCB		10/26/05	75	SSB	Worked All State Capitals (45 States)			
40	SSB	Officers	742 AB8TD		10/12/05			Endorsement	WD4MXW		10/17/05
40	SSB	Officers	743 AI5F		10/17/05	75	SSB	Worked All State Capitals (50 States)			
40	SSB	Officers	744 WA1ZKK		10/20/05			Endorsement	WD4MXW		10/17/05
40	SSB	Officers	745 KC5QCB		10/26/05	75	SSB	Worked All State Capitals (50 States)			
40	SSB	Reginald Fessended (9 Provinces)							487	WA4BKW	10/26/05
			1 WL7K		10/18/05	80	CW	100 Point	84	WM9H	10/18/05
40	SSB	Reginald Fessended (11 Provinces)				80	CW	100 Point	85	N1NU	10/20/05
		Endorsement	WL7K		10/18/05	80	CW	100 Point	86	WU8Q	10/20/05
40	SSB	Worked All Canada-2 Letter Calls (9 Provinces)						Baker's Dozen As The Mobile Submitted By			
			1 N0PUI		10/18/05				171	NW9H	10/26/05
40	SSB	Worked All Canada-Mobiles (9 Provinces)						Canadian Call Area (Maritime)	7	N0PUI	10/20/05
40	SSB	Worked All States (50 States)						Canadian Call Area (Central) Endorsement	N0PUI		10/20/05
			986 W4NFT		10/17/05			Canadian Call Area (Western) Endorsement	N0PUI		10/20/05
40	SSB	Worked All States (50 States) Mobiles						Canadian Call Area (Northern) Endorsement	N0PUI		10/20/05
			987 WA4BKW		10/26/05			Net Control Operator	77	KI4ECX	10/12/05
40	SSB	Worked All States (50 States)						Net Control Operator	78	KD4POJ	10/20/05
			989 WA1UDI		10/31/05			Net Control Basic Award	108	AB8TD	10/12/05
40	SSB	Worked All States YL (35 States)						Net Control Expert Award	40	KJ7CU	10/12/05
			122 AG4DO		10/26/05						

## Award ... from page one

technician. From the Bay area, Nick became a manager at the Mt. Laguna Long-Range Radar facility in Southern California. He remained a technician and was active on 2-meters and served as technical director of the Catalina Repeater Association for several years.

In December 1992, Nick moved to Juneau, Alaska as the manager of Airways Facilities in South East Alaska. He was active in the local amateur radio club and they were instrumental in his upgrade from technician to advanced. He never held a general class license.

It was during this period when Nick, W6LEZ, became active on the 3905 Century Club nets and received his 40 meter certificate No. 1,807, and when he upgraded to an extra with the call WL7K, he earned his 1K and 2K awards on 40 meters and his 1K on 80 meters.

Nick has earned several other club awards but the ones he prizes most are his Clint Wise Award for all 50 states with Road-Runner status on 40 meters and worked 30 states for his 80 meter and the regional Fessenden award.

Nick said that it took a lot of work to get that award. When he retired from the FAA in 1996, he and his wife Susie, WL7F decided to visit as many states and Canadian provinces as possible, doing it as fulltime RVers.

For four years, Nick and Susie traveled the length and breadth of the U.S. and Canada, visiting every state but Hawaii and every province but Newfoundland.

"There was no Nunavut when we started," Nick said. "With Wil, KB5IPQ as my QSL manager, we had a ball. During this time I worked all the contacts necessary for my awards."

In 2000, Susie discovered diabetes problems had taken their toll and she suffered full kidney failure. Nick and Susie

settled down in Sodaville and made one last trip together last winter and completed their 50th state with a trip to Hawaii.

"This was our last trip together and I lost my wife and best friend of 37 years on Oct. 30," Nick said. "I will continue to be active in the 3905 Century Club nets and may take time out to put some more of the cards we gathered together and submit them for additional awards."

Nick said he hopes to finish out the other two Canadian provinces he is missing to obtain a clean sweep for both the Clint Wise and the Reginald Fessenden Award.

He told Bill WM4SG that he "outdid himself with the Reginald Fessenden Award," describing it as "a thing of beauty."

Nick said he is really proud to put it on the wall. "Of course, the No. 1 adds a little frosting on the cake," Nick said. "A special thanks to Pete, K7BAA for the timely way he serviced my application."

### Background: Reginald Fessenden 1866-1932

A Canadian, Reginald Aubrey Fessenden was the first person to prove that voices and music could be heard over the air without wires. Yet some books ignore him, others mistakenly call him an American, and one Canadian encyclopedia cites his mother as the principal founder of Empire Day but overlooks her eldest son's accomplishments.

Marconi, on the other hand, is given credit for radio even though his theory on sound waves was wrong and even though he was still sending only Morse code signals when Fessenden made his first "broadcast."

\* A larger-than-life eccentric genius, Reginald Aubrey Fessenden, often arrogant and cutting, was also respected as a warm and loyal colleague [PAC/PA 93160]\*

The reasons for the oversight are many. Although born in the Eastern Townships of Quebec in 1866, Fessenden left Canada at 18.

He later worked for Edison, was a professor at two American universities, and was working with an American company when he proved his theories for broadcasting. In addition, lacking the showmanship of Marconi and Edison, Fessenden had difficulty marketing himself or his inventions.

A brilliant student at Trinity College School, Port Hope, at 14 Fessenden was granted a mathematics mastership to Bishop's College in Lennoxville, Quebec. This gave him a small income and a credit for a college year if he passed the exams. He did, but an interest in science motivated him to accept a teaching position in Bermuda at age 18.

Two years later he was hired in Thomas Edison's machine shop where he so impressed his superiors that Edison invited him to work in the labs.

At 24 he was chief chemist, but financial difficulties forced Edison to lay him off.

Fessenden was hired almost at once by George Westinghouse and two of his inventions helped Westinghouse fulfill his contract to light the 1892 Columbian Exposition in Chicago.

Fessenden then became professor of electrical engineering at Purdue University.

A year later Westinghouse arranged that he become chief of electrical engineering at Western University of Pennsylvania where he conducted research.

At the university, Fessenden explored his major interest, the study of Hercules sound waves. Marconi believed waves were generated by creating a spark that caused

a whiplash effect, but Fessenden rejected this concept, theorizing correctly that sound waves continuously rippled outward—like water when a stone is dropped into it. Further experiments led him to suggest that, if the waves could be sent at a high frequency, it would be possible to hear only the "variations due to the human voice."

In 1900, Fessenden joined the U.S. Weather Bureau on the understanding that the bureau could have access to any devices he invented, but that he would retain ownership. This suited Fessenden perfectly. Within months he improved their Morse code systems for weather forecasting, and in his own experiments transmitted voice a mile away for the first time.

In 1902, however, a Weather Bureau superior demanded a share of Fessenden's patents. Rather than submit, Fessenden complained to President Theodore Roosevelt, but his letter was returned to the Bureau and he was forced to resign.

Two Pittsburg millionaires joined with him to form the National Electric Light and Power Company. In 1904, Fessenden was hired to help engineer the Niagara Falls power plant for the newly formed Ontario Power Commission, and in 1906 he opened his own Canadian company in Montreal.

Fessenden's greatest achievement that year, however, occurred at 9 p.m., Christmas Eve, 1906, when wireless operators of several United Fruit Company ships in the Atlantic, tipped off to expect something unusual on their NESCO-provided sets, heard Fessenden transmit a recording of Handel's "Largo" on an Ediphone, play "Oh Holy Night" on the violin, and read from the Bible before wishing them a Merry Christmas.

## Board Approves New Awards, Award Revision

The 3905 Century Club Board of Directors met at the Eyeball in Georgia and approved two new awards proposed by the Awards Committee and one revision to an existing award.

The new awards are:  
**THE WORKED ALL CANADA AWARD:** This is a Canadian version of the consolidated WAS award. It offers a General WAC Certificate for working all 13 provinces and territories. Then it goes on to offer assorted specialty certificate awards such as WAC 2-Letter, WAC Capitals, WAC Combos, WAC QRP, and WAC YL for contact with 9 provinces/territories, with endorsements for 11, 12 and 13. It also offers an "Open WAC Award" that can be endorsed to whatever specification your QSL cards can support, consistent with the principles of the 3905CC. In the spirit of WAS, which incorporates the old WASSSM (Worked All States Same Station Mobile) Award, we have also included a WACSSM

Award for contact with the same mobile station in 9 provinces/territories with endorsements at 11, 12, 13.

**THE REGINALD FESSENDEN AWARD,** Reginald Aubry Fessenden (1866-1932), a Canadian, was the first person to prove that voices and music could be heard over the air without wires. His grave marker is inscribed with these words, "By his genius distant lands converse and men sail unafraid upon the deep."

The Reginald Fessenden Award is a Canadian parallel to the Clint Wise Memorial Award. Like the Clint Wise, it's offered in two versions. There's a mobile version for making contact with 10 calls signs from each of a total of 9 provinces/territories in which the applicant was operating mobile. The portable version is for the same requirements, except operating portable. Endorsements are available for 10, 11, 12 and 13 provinces/territories. A plaque will be awarded for achievement at the 13-province/territory level and recipients will be designated "Snowrunner."

These two Canadian awards became effective Sept. 1. Applications were filled out and sent in immediately for processing by the Awards Managers and forwarding to our Awards Secretary. To give everyone a fair chance at earning the coveted #1 and #2 certificates, our Awards Secretary held all verified applications until some reasonable time after Sept. 1, and then will process certificate numbers in random order. The actual certificates will be mailed as soon as they're designed and printed.

The revised award is:  
**THE WORKED ALL CENTURY CLUB NETS AWARD:** We have revised this award to return it as closely to its original status as a worked \*ALL\* nets award as we felt was reasonable. The now outdated version dated 12/1992 called for five contacts with certificate holders on 40M SSB, 75M SSB, 160M SSB, any RTTY and any CW net - five nets total. The revised version requires 12 of the Club's 13 nets. The

only net omitted is the 160M CW net and it's omitted only because there are only three certificate holders on that net and not all are currently active. It is the intent of the Awards Committee, subject to Board approval, to review this award periodically and to add the 160M CW net and other future nets when there is a "reasonable" number of active certificate holders operating on those nets. It's perhaps interesting to note that when this award was originally designed it really required \*ALL\* nets available at the time and that there were NOT 5 certificate holders on RTTY at the time. It seems that our predecessors were pretty serious about it being a Worked \*ALL\* Nets Award.

The Awards Committee worked hard on these awards and I hope you all enjoy the results of our efforts.

*Jim Higgins, KB3PU  
Awards Committee  
Chairman  
The 3905 Century Club*

## Elections ... from page one

include your callsign and your 100 point number) or, it is also possible to vote on-line at <http://www.wm4sg.com/2006-election-ballot>.

Members may also use the on-line ballot to vote for President as well as Area Director. For Area Director, members can only vote if they reside in a call area that is having an election. For  
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President, all members may vote on-line or wait until the on-air election on January 30th.

The candidates for President include K9TWV, AL7HG and WM9H.

The candidates for Area Director, by cal area, are:

2nd Area - N2XTT  
4th Area - W4IKO/  
KE4DYG/AF4LD/NC4RS  
6th Area - AD6ZJ

8th Area - N2OCW/  
N8NYI/K8PG/K8LPQ

10th Area - NØPUI/  
KD4POJ

If you wish to know where a candidate stands on any issue, feel free to contact them direct or ask your question of them via one of the email groups.

Candidates are NOT allowed to campaign on the air during Net operations, so

use the email system on any questions or campaigning.

The electronic ballot is now active. Again, it can be found at <http://www.wm4sg.com/2006-election-ballot>.

This is your club - make sure you participate by voting.

*73 Bill WM4SG  
President 3905  
Century Club*



### **The Centurion**

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28 Years of World Class  
Net Operations

*The 3905 Century Club, Inc. is an international Amateur Radio Club incorporated in the State of Florida since February 1977. Its purpose is to assist hams both foreign and domestic in obtaining Worked All States awards. We have nets on 20, 40, 75, 80, and 160 meters operating a mixture of SSB, CW, RTTY and PSK-31 modes. The Club offers many fine certificates for contacts made on its nets which can also be used to obtain ARRL awards.*

## **Procedures**

*continued from page nine*

envelope receives the card. This is especially necessary for Special Event (1x1) calls as they are transitory and quickly forgotten. Cards for special event and club stations that do not have the operators call noted will be returned.

Fourth, the number of cards being processed by the buro is interesting. For the last 35 days the volume has been averaging 255 cards per day. I expected it to taper off after the eyeball, and with the change in rules governing club calls, but this has not been the case. Those of you who are statistically erudite can determine the correlation of this number with the net activity.

Some other pointers:

### **A. 'NO CARDS NEEDED' PROTOCOL**

Some stations bring a club (or clubs) or special event station on the 40m SSB net and notify the net, and the buro, that they do not want cards for the club call or special event call.

In that case this Buro will only forward cards addressed to the operators call. Cards addressed to the special event station or to the club(s) will be returned to the originating station with the following note:

**"NO CARD IS NEEDED FOR THIS CONTACT. THE OPERATOR LOGS AND QSLs 100% VIA THE 40m SSB BURO. IF YOU DO NOT RECEIVE A CARD, PLEASE RESUBMIT WITH A REQUEST FOR A CARD. 73'S"**

The label is removable (or so it says). How long you wait for your card is up to you - but, if you send in a request, please say something like "second request" or "still waiting for a card."

I am returning all cards submitted for VE4CCN and for the Clubs operated by WCØPD during his July tour, and for the Clubs operated by N2XTT on his New England trip.

### **B. CARDS FOR STATIONS THAT ARE NOT IN THE BURO**

When I receive cards for stations that are not now, and never have been in the buro, I file those in the "NGIB" file for a period of at least one month. I process those at the beginning of the second month following the date of the contact.

I have finished processing the cards for July 2005. There were 91 cards for stations that are not good in the buro. These are being returned to the originators, again with a 'removable' sticker.

### **C. BURO WORKLOAD**

Based on a rule of thumb that there are about 12 cards per ounce of cards, the 40m SSB bureau is processing an average of 250 cards per day.

Again, any comments or suggestions are welcome.

**73's**

**Richard, W5IL**

[rsmale@swcp.com](mailto:rsmale@swcp.com)