

# The Centurion

Official Newsletter of the 3905 Century Club

May 2000/Issue #2

## **Hear yea...Hear Yea**

Let it be known that our 3905 Century Club friend, HR2A, Regie Denis has been appointed as the Region II Area D Emergency Coordinator. This appointment is recognized by both the IARU and the ARRL. Let's all congratulate Regie on his appointment and wish him well.

Also, Regie has made it known that he will be attending the Year 2000 Eyeball in Cedar Rapids, IA.

## **From Steve in Texas...President 3905 Century Club**

This being the first of the President's messages, I will focus on the health of the club from my view. Let me just say...all is well!

I have been active with the 3905 Century Club since 1994 and have attended all the eyeballs since. I want to tell you I am very proud of the Club and it's people, and I am proud to be President. Though out these past 6 years, I have always stayed close to the clubs operations via the Board of Director meetings and Eyeball discussions. I believe we have never has better participation from the Board of Directors,

members and visitors. The Board for the past 2 years has been one that "makes decisions" confronts issues directly. I want to thank them for that.

I cannot write an article like this without praising the work of all our QSL Bureau Managers. What an excellent job they are doing...Thank you!

Another group of people who work silently in the background, whom I believe are unsung heroes, are our Awards Managers. Having been an Awards Manager myself for the 5<sup>th</sup> Area for a year, I know it is a lot of work. Thanks to John O'Keeffe for always being there and making it happen for the Club.

One of the accomplishments during the tenure as President that I would like to point out is the creation of the progressive NCS Awards. I believe we have found a small way to thank our net controllers. Thanks to all involved.

Let me close by sharing a couple of goals for this next year. The first is to have a great Eyeball in Iowa. Larry is doing everything he can to make it an occasion to remember!

**Steve's Message Continued on Page 3**

**Roy Coldwell VE4ROY**  
**160 Meters**

Many years ago while in Boy Scouts I learned Morse Code becoming proficient at 25wpm and also learned semaphore signals. My cousin VE4HB (SK) helped me with theory while I helped him with Morse code. I used his station for many years with his call sign until I became fully licensed in 1986. On 160 meters I used a home brew transmitter and received that my cousin and I built.

In 1987 I brought an Icom 450, an Icom 2KL amplifier and a Nye Viking MBVA tuner. For 160 meters I put up a 250 foot inverted V antenna. My first 160 meter contact on the 3905 Century Club was with Ralph KA0AEY in North Bend, Nebraska. January 26, 1987 I worked KL7ST for my first Alaska CC QSO. Much later, December 28, 1996, I worked my second Alaska station AL7DJ.

Hawaii came on December 4, 1988. My call during this time was VE4AEP.

I have worked all Canada on 160 meters. My DX stations for my 160 meter 1k award include CE5NA, CO2CB, PZ1AR, HP1XOR and N0VWD who was portable in Brazil.

The equipment I am now using is a Kenwood TS850S AT being helped by an ALPHA 76A which uses 2 EIMAC 8874 Tubes. My 160 meter antenna is a 114 foot center fed inverted V. Next winter I will be using a double ended bazooka with the apex at 48 feet and the ends at 16 feet using the inverted V configuration.

My ARRL WAS 160 meter certificate is # 545 dated May 1, 1989. I thought I was doing something fantastic until I saw an article in QST about an amateur in Ontario who worked DXCC on 160 meters.

I do enjoy giving out QSO's (home, club and mobile) to all the 3905 Century Club folks. I have been mobile in ND, MN, IA, SD, MT, WY, ID, WA, OR, VE4, VE5, VE6 and VE7. My mobile antennas are a pair Hustlers on the back bumper using any of the 6 frequencies I choose to work. I plan to purchase a Screwdriver antenna for future mobile operations.

Look for me in VE8 and hopefully VY1 and who knows maybe WL7 during the next 160 meter cycle.

73 and thanks for working me de VE4ROY

**1k 20k**  
**What it takes**

Rick K8MZA 20k on 40 meters

Jean KA1IFC 11k on 80 meters

You have your 100 point and are working them... filling in the blanks on your 1k award. You worked 5 caps and 10 2 letter stations for your 100 point...15 QSOs in total. Let look at what you have to do for your 1k.

100 Point	15 QSOs
500 Point	80 QSOs
48 WAS	240 QSOs
AK and HI	2 QSOs
Mobiles	10 QSOs
DX	15 QSOs
Total for your 1k	362 QSOs

And, you know that for the 48 WAS each State must have a different prefix...you can work a lot of KA1's in New Hampshire before you find the other 4 prefixes you need.

Of course you can shave 5 QSOs of the total by using all State Caps for your 100 point award.

Now, lets look at what the Progressive Award leader, Rick K8MZA, on 40 meters had to do to earn his 20 k award.

100 Point	300 QSOs
500 Point	1,600 QSOs
48 WAS	4,800 QSOs
AK and HI	40 QSOs
Mobiles	200 QSOs
DX	300 QSOs
<b>20 k Totals</b>	<b>7,240 QSOs</b>

Now that is a lot of QSOs and a lot of time working on the 40 meter net.

Now let's swing over to 75 meters and look at the effort required by Jean, KA1IFC, to earn her 11 k.

100 Point	165 QSOs
500 Point	880 QSOs
48 WAS	2,640 QSOs
AK and HI	22 QSOs
Mobiles	110 QSOs
DX	165 QSOs
<b>11 k Totals</b>	<b>3,982 QSOs</b>

Working for your WAS...Rick has accomplished it 100 times on 40 meters and Jean has earned WAS on 75 meters 55 times.

WOW...Congratulations to Rick and Jean.

**Message from Steve in Texas...continued**

We will have 2 excellent stations for 80m and 40m from which to run the Eyeball Nets.

Another goal I have has to do with the election cycle in 2001. We will be electing odd Area Directors, President and Vice-President. We must find a way to get more club members to **Vote!** Having an elections decided by a total of 4 votes or zero votes does not seem consistent with the high level of participation in our Nets and the Awards Program. I do not have the answer. If anyone has some ideas, please come now!  
**OVER...**

And finally, thanks to Dave, WQ1H, for taking on the Centurion Editor role.

73 de WK5S President, Steve in Texas.

**One Man's Opinion**

I share a concern for our sport...at least it is one man's opinion.

When sailing ships were replaced with steam power sailors bemoaned the fact that their avocation was no longer a necessity...they thought their skill obsolete...their sense of worth was shaken.

Today, we look at skilled "wind" sailors in a different light... do we need them...doubtful...but they have a certain skill that is respected by themselves and knowledgeable sailors...they are a distinct and hardy breed.

Did we lose something when "wind" sailing went from a necessity to a skill? Yes...and

no...the underlying skill went through a metamorphosis and came out the other end as a higher art form.

We hams are now feeling the same pains...experiencing the same loss of terra firma...but with a little spirit, we will emerge.

Talk to the world via the Internet...why use Ham Radio?

... commercial use gone...Coast Guard use gone...5 WPM

Let's recognize it for what it is...an art form...like sailing...like painting(who needs painting when we have digital cameras) .

But, does that mean the art of sailing is gone? Does it mean that Ham Radio is gone? Does it mean that CW is gone?

Let's all take heart in the fact that we have a higher level...a skill...an art...a hobby.

Enjoying the power and beauty of the Seas is not just for the skilled "wind" sailors...it is for all...regardless of their mode of power.

Long live our hobby... Ham Radio.

And, long live the respect for our fellow Hams...we are now evolving to a higher level...let's embrace it.



### MARCH 2000 BOD MEETING

Officers Present: WQ1H, K6WPK, WK5S, N2XTT, W7LXR, K9KGR, AA3FC, WY8V, VE4ROY, K4RWS, W9FRF, N5UJB, KOLJ

1. The Meeting was called to order by N5SV, President...new call is WK5S
2. The February minutes were approved as submitted by WY8V
3. Nominations were opened for the Chairman of the board. W7LXR nominated WQ1H and N2XTT nominated K9KGR. K9KGR received 6 votes. WQ1H received 5 votes. 1 abstained. Gil K9KGR is the new Chairman.
4. Referring to the letter received from AA3FC regarding the word "Mandatory" used in the Net Control Guide Section I Paragraph A. Walter, AA3FC suggested that Mandatory be changed to "Preferred Practices and Policies". After a lengthy discussion AA3FC made the motion for this change. 9 voted for the change and 3 against with 1 abstaining. Mandatory will be replaced with Preferred.
5. AA3FC made a motion concerning the Bakers Dozen Award. Mobiles do not need a 100 point Certificate to receive the Bakers Dozen Appreciation Award. Also, if a mobile changes calls both calls can be used on a Bakers Dozen Applications. The Bakers Dozen Award clarifications were passed by 11 yes votes and 2 no votes.
6. N2XTT has sent a copy of the proposed PHD Award to all the current Master Degree Holders for comments. No Comments have been received. Action on the PHD Award has been
7. Steve WK5S suggested that the Net coordinators announce issued awards monthly on their respective bands.
8. A motion to adjourn was passed with no objections

I might add that AC6LU was sitting in for K6wpk but left when K6WPK checked into the meeting.

### APRIL 2000 BOD MEETING

Officers Present: WQ1H, AC6LU, WK5S, N2XTT, N7OKM, K9KGR, AA3FC, WY8V, K4RWS, N5UJB, KOLJ

1. The meeting was called to order by the Chairman K9KGR
2. The march minutes were approved as submitted by WY8V.
3. A proposal was made by N2XTT to clarify the 100 point application. " you may use more than ten 2 letter contacts on the applications. The application has lines for 10 calls and was miss-leading. A 2 letter call is a 2x1, 2x2 or a 1x2 K9KGR 2<sup>nd</sup> the motion by N2XTT. The motion passed with 11 yes votes.
4. A discussion was held regarding the new Millennium Award proposed by N2XTT. After many comments WQ1H 2<sup>nd</sup> N2XTT motion for the new Millennium Award. The motion passed with 11 yes votes.
5. A proposal was made by K4SGF to start a 20 meter and 80 meter RTTY net. After some discussion the proposal was accepted by the Board. A 80 meter RTTY net was approved many years ago but has not been active.  
  
K4SGF was appointed as the Net Coordinator for both the 20 AND 80 Meter RTTY Nets
6. K4SGF was appointed as the alternate director for the 4<sup>th</sup> Call Area

MINUTES SUBMITTED BY SEC/TREAS  
/s/ Earl J. Hubbard  
EARL HUBBARD  
WY8V

## DX-Keyer Barry WV2X

Before I came to find the Century Club, I operated a lot of CW. Don't ask me why, I couldn't give you a good answer, and I'm not very good at it to boot.. So, one day on the edge of the band, I hear a LZ station calling CQ. So, I look it up on my DX wheel and its says Bulgaria. Oh Boy, big DX for me. I sent my call and he comes back to me. His name is Minico and he lives in Sofia, Bulgaria. After a few exchanges with a 459 report he tells me he collects telegraph keys and asks me if I have any. I immediately volunteer, like a dummy and say I have 2 Vibroplex keys and an old E.F Johnson bug and I'll send them to him. Great he says...he'll be anxiously waiting for these keys and 73.

Later that day I dig out these keys and the one bug. Preparing to wrap them I realized that they are quite heavy so I wrap them up pretty good in a box. The all of a sudden it hits me like a ton of bricks...What is this gonna cost me? Maybe I should forget it. But what if Minico finds me on the bands again and asked "where are the keys?" Oh well, all I could think of is Laurel and Hardy when Ollie says to Stanley, 'Here's another fine mess you've gotten me into".

I proceeded to address the box to Minico and thought maybe that UPS was the way to go. A short drive to Mail Boxes Etc...no intended advertisement of such...a local UPS drop. Following is the script of the dialog with the clerk...a pretty young girl or a young pretty girl.

Me: Hi, do you ship to Bulgaria?

Clerk: What State is that in?

Me: No...Bulgaria...the Country...you know, Like near Italy in Europe

Clerk: Oh, I don't think so...you'll have to Speak with the manager

This is getting worse, I'm like in a nightmare here. Me and my big mouth...right. In the middle of my nightmare a light goes off in my head...Hey why not try the Post Office.

Into the Post Office...what luck I am first in line and place the package on the scale. The Postal Clerk looks at me and I look at him and he questions. "Airmail?". "Sure", I say, "How much?" With out blinking he says, "\$125". "What!!! Are you kidding...wow forget that".

Then, not to loose a sale, the Postal Clerk tells me I can ship via Surface Mail but I would have to fill out a customs declaration. By the what are you shipping? I tell him just some electronic keys for Amateur Radio. So I fill out the required papers and he tell me it will be \$25 but it may take 2 months.

Away way it went, but I say to myself this thing is never gonna make it to Bulgaria or Timbuktu for that matter. I just should keep my mouth shut in the future...a lesson learned.

About 1 month later, I received a 2 page thank you letter from Minico saying that my shiny Vibroplex keys and the E.F Johnson key had a place of honor on his dresser in Sofia, Bulgaria.

They actually made it there O.K. A tribute to the U.S Mail service.

73 de Barry WV2X

## Letter Time

..... Club Station/Mobile .....

### An Oxymoron

Al LaPlaca W2WWW

Somehow, the very concept of a club station being mobile strikes me as being quite odd. Oh I know, you turn a blind eye towards it because you want those mobile contacts at any cost and the incongruity of it be hanged. Well, I disagree.

Under certain circumstances it may be legal, but one can hardly consider it as being reasonable or ethical. Trustees of club stations are, for the most part, just that, trustees. They are not owners. They may not, normally, legally treat the club call as their own personal call sign. It is not theirs to do with as they wish. Yes, they may, with the consent of the governing board of the club, operate the club station as a portable, or even (gasp!) as a mobile station. That's the legality of it. Look it up.

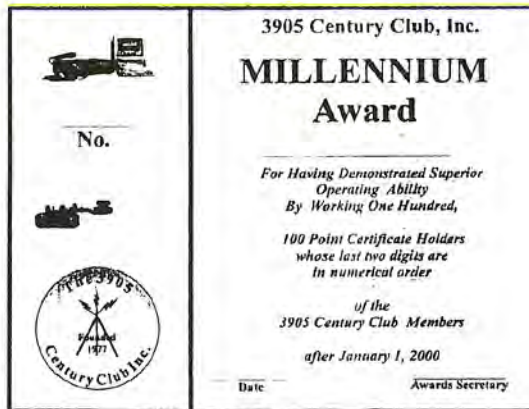
But does the concept of a mobile club station really make sense in the context of its being operated from a private passenger car? Perhaps from a specially-equipped van or bus outfitted for use in emergency situation club/mobile might make sense. But otherwise, I think not.

Opposing opinions are welcome...de AL W2WWW

## Views

This is where the Editor states that the views expressed are not necessarily those of the 3905 Century Club nor the Editor of the Centurion.

See your ideas and stories in print...send them to me.... De Dave WQ1H Editor



## Come Join the Fun

The new 20 & 80 meter RTTY Nets.

80 meter RTTY up and running 03:00 UTC on 3.584 Mhz. Saturday Calendar night.

20 meter 21:00 UTC on 14.084 Mhz. Sunday Calendar.

The QSL Manager for the RTTY nets will be  
Gene Schneider (WM9H)  
4472 S. 44<sup>th</sup> Street  
Greenfield, WI 53220

Participants on the new 20 and 80 meter RTTY nets are eligible for all of the 3905 Century Club awards including the 100 Point Certificate and other progressive awards.

ALL three RTTY Nets are in need of additional Net Control Stations. If you are interested and can occasionally help out as a Net Control please contact the Net Coordinators.

40 Meter RTTY K10LO Marty Tippin  
20 & 80 Meter RTTY K4SGF Bill Martin

If you are new to RTTY( or even a old hand) there is no better time to jump in.

May 6<sup>th</sup> saw the first 80 meter RTTY net in operation...over 60 contact were made.

Check Ins Included:

KD3FM (MA)	N1EM/p (MA)
K4SGF (GA)	KD8QQ (MI)
N1CBJ (ME)	WM9H (WI)
W0MYZ (MN)	KD3O (MD)
KV4DT (TN)	N5OHL (OK)
AC5SU (MS)	K0LJ (IA)
K7NZ (WA)	WA4IAX (MS)
N2XTT (NJ)	NJ2LH/p (NJ)
AE4NR (NC)	W5IL (NM)
K7MI (OR)	

NCS for the first night was Marc KB1DFE

## Eyeball 2000 Host Larry K0LJ



CEDAR RAPIDS, IOWA  
JULY 25, 29 & 30th, 2000

Application available on the Web Site or from  
Larry Johnson  
1600 Memorial Dr SE  
Cedar Rapids IA 52403

Here are the rules:

1. All contacts for this award must be made on the club nets during net operation.
2. Applicants must hold the Club 100 point certificate on bands for which they are going to use their cards. If you use numbers 40 meters, 80 meters and 160 meters you must have the 100 point certificate for ALL those bands.
3. Using the last two (2) digits of each Century Club 100 point Certificate complete a list from 00 to 99. This equals 100 contacts.
4. The starting date for this award is January 1, 2000. ONLY ONE QSL CARD FROM EACH STATION PERMITTED.
5. All Master's Degree Super Cards may be used. If you are using a Mater's card for another number, you must use two (2) cards one for the Wild Card and another for the Master's 100 point certificate.

### Late Breaking News....

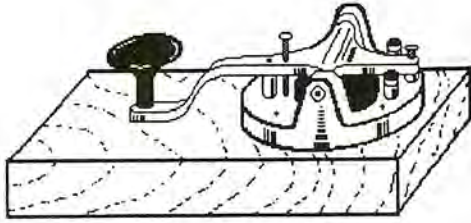
NEW address for 3905 CC Web

[www.qslnet/3905ccn/](http://www.qslnet/3905ccn/)

### Video of Rhode Island Eyeball

\$10 to cover costs

Dave Smith WQ1H  
1 Celeste Terrace  
Sandown NH 03873



Ya'll got your CW speed up a bit. Or maybe not a lot., but you know a dit from a dah. Then come on down to the 3905 CC CW nets.

The 3905 Century Club 40 meter W.A.S. CW Net meets every Tuesday, Thursday and Saturday night (UTC Time/Date) on 7.053 Mhz. at 02:00 UTC, which is 22:00 EDT on Monday, Wednesday and Friday nights. Everyone is welcome to QNI (Check in). Usually it runs something like this.

DE N3PM AND 3905 CCN  
CQ CCN CQ CCN CQ CCN QNI

At this point just send your complete call one time only. Net Control will listen for a few seconds and then list the calls picked out. If you don't get on the list, just send your call again when Net Control calls CQ CCN QNI.

When you are on the list please help with relays (QSP) If you copy a station Net Control is having trouble with try this:

QSP

Net Control will respond with a simple

K Or QSP K

At this point send the call you picked up and then your own After a list is put together every one gets one call per round. The list is worked until everyone makes all the calls they want. The net is not limited to a certain number of calls per session. If there is a good turn out, you may have enough calls to earn 100 point 40 CW in one night.

#### 40 METER SLOW SPEED CW NET I

This net meets on Friday night (Calendar) or Saturday morning (UTC) on the frequency of 7.053 at 0200 UTC. This net will operate at 5-10 wpm or the speed at which the station checks in at.

#### 80 METER CW NET

This net meets the first week of October through the last week of April on 3.677 KHz on Saturday nights (0500 UTC Sunday) and it meets on Sunday nights (0200 UTC Monday). It operates in the same manner as described in the 40 meter CW net above. This net is generally a slow speed net. The preamble is sent at approximately 13 wpm. The speed you check in at is the speed you will be sent back to. Please feel free to send at any speed.

#### Times and frequencies may change and are announced on the SSB nets.

Following is a list of "Q" signals that are used on the CW nets:

- QNC----All Net Stations Please Copy
- QND----Net is Directed (has a NCS)
- QNF----Net is Free (not or no longer directed)
- QNG----Take over as NCS
- QNH---Your Net Frequency is High
- QNI----Net stations Check in
- QNL----Your Net Frequency is low
- QNN----Net Control is \_\_\_\_\_
- QNO----Station is Leaving the Net
- QNP----Unable to copy \_\_\_\_\_
- QNS----Following Stations are on the Net list
- QNX----Station is excused from the Net
- QNZ----Please Zero Beat your Freq with Mine
- QSP----Please relay
- QSX----Please Listen for \_\_\_\_\_

And, a few of Tom's (AA1NZ) favorites which are seldom heard on the 3905 CC Nets

- QPP----I have to take a Nature Break  
Important for NCS
- QTT----Same as QPP
- QLF----Are you sending with your left foot?
- TOF----Try Other Foot  
If you answer yes to QLF



Jerry KC5BFK



Carole KD3FM



Lynne WA1KKP



Ralph KG8WL a.k.a. N8IFS



Fred WA1ROI

Bill KO6CS



Jim KL7IYD



Roy VE4ROY



## Awards

### 40m SSB 100 Point

1977 W7WNF  
1978 AC5SU  
1979 KB6HT  
1980 AB7C  
1981 KB6GT  
1982 WR2R  
1983 N5HOT  
1984 K8VD  
1985 K4SGF  
1986 WD5BJQ  
1987 W4DHE  
1988 WA0SMQ  
1989 KJ7CU

### 40m SSB 500 Point

KC5HND WD4MXW

### 40m SSB 1000 Point 1k

376 KC5HND  
377 W0KRE  
378 WD4MXW  
379 KV4DT

### 40m SSB 3000 Point 3k

72 W5IL  
73 KD8QQ

### 40m SSB 7000 Point 7k

20 W7LXR

### 40m SSB 8000 Point 8k

18 W7LXR

### 40m SSB 8000 Point 8k

12 KO6CS  
13 AC6LU  
14 KB6HM  
15 W9FRF

### 40m Bakers Dozen

829 KD8QQ  
830-832 W0KRE  
833 WD4MXW  
838-839 VE4ROY

### 40m Bakers Dozen

#### Endorsements

K0MRC WW6F  
WL7K VE6TG(2)  
KC5BFK K8UE

### 40m SSB Certificate Hunter

N1CKM KK2M  
K8VD WR3V

### 40m Nite Owl

146 WA2JIM

### 40m WAS

KD7BVO KC5HND

### 40m WAS YL

KK2M NJ2LH

### 40m VIP

KK1A K8VD

### 40m Worked All Nets

KD8QQ

### 40m Numbers Racket

WD4MXW KV4DT

### 40m RTTY 100 Point

38 KD4BVO  
39 W7DO  
40 KD3FM  
41 N1EM  
42 KI0QM  
43 AC5SU  
44 W0MYZ  
45 KD3O

### 40m CW

69 AA3FC  
70 K0LJ  
71 W7DO  
72 KD8QQ  
73 KK2M  
74 W4NBS  
75 KD3O  
76 KK1A  
77 K6QWH

### 80 SSB 100 Point

2287 KE4VAU  
2288 W4LKL  
2289 KA3JCA  
2290 K9KGR  
2291 KD4SJM  
2292 AB7CL  
2293 W5UOT  
2294 W4RHW  
2295 W4YDY  
2296 W4YDY  
2297 K4PXW  
2298 K8PAO  
2299 WD5BJQ  
2300 KG9NB  
2301 VO1JLE  
2302 KB0OKS

### 80m SSB 500 Point

WA2JIM N8EB

### 80m SSB 1000 Point 1k

397 K1IVX  
398 K9KGR  
399 KC5BAO

### 80m SSB 2000 Point 2k

129 W4LTF  
130 KD8QQ  
131 KC8IMK  
132 WA0NXZ  
133 K7MFG  
134 VE3DZR  
135 WA4IAX  
136 VE7JMC  
137 KD3O

### 80m SSB 3000 Point 3k

50 W8UE

### 80m SSB 4000 Point 4k

37 K1DWI

### 80m SSB Alphabet

KD3O

### 80m SSB Bakers Dozen

WA4IAX W8UE KD3O

### 80m SSB Certificate Hunter

N1CKM N4EIL KD3O WR3V

### 80m SSB Nite Owl

W7DO KK1A AE4NR KD3O

### 80m SSB Nomad

KD3O

### 80m SSB Number Racket

N1CKM

### 80m SSB VIP

WR3V WA4IAX N4EIL

### 80m SSB WAS

AE4NR N4EIL

### 80m SSB WAS YL

W0MYZ

### 80m SSB WAS Capitals

KC5BAO

### 160m SSB 100 Point

247 AB7CL  
248 N4EIL  
249 KV4DT  
250 W5ASU

### 80m Bakers Dozen

#### Endorsements

VE6TG(2) KC1NA  
K7NZ

### 80m CW

43 W4NBS

### NCS Award

W7DO Gary Martek

### NCS Expert

W0MYZ Alan Remington





33 USA



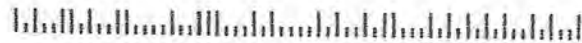
**The Centurion**

Dave Smith  
1 Celeste Terrace  
Sandown NH 03873

wq1h@mediaone.net

KG8WL 22  
Ralph Mitchell  
59359 Lakeshore Dr.  
Colon MI 49040

49040X9227 01



**Club Officers:** The 3905 Century Club Inc is incorporated in the State of Florida.

President.....	Steve Sparks	WK5S
Vice President.....	Gil Robertson	K9KGR
Secretary/Treasurer.....	Earl Hubbard	WY8V
Historian.....	Jim Fisher	KD3O
Information Officer.....	Gladys Zickler	WB2RWT
	Resident Agent Ricardo Meana	K8MZA

**Directors:**

1st Call Area	Dave Smith	WQ1H	.....
2nd Call Area	Peter Summers	N2XTT	.....
3rd Call Area	Walter Kunz	AA3FC	.....
4th Call Area	Ron Statzer	K4RWS	.....
5th Call Area	Jim Arterberry	N5UJB	.....
6th Call Area	Phyllis Dew	K6WPK	.....
7th Call Area	Hugh MacDonald	N7OKM	.....
8th Call Area	Earl Hubbard	WY8V	.....
9th Call Area	Gene Schneider	WM9H	.....
10th Call Area	Larry Johnston	K0LG	.....
DX	Roy Coldwell	VE4ROY	.....

**Awards Managers:**

Jean Hurtle	KA1IFC
Barry Sykes	WW2X
Ron Cox	KE3DK
Ron Statzer	K4RWS
Jim Richardson	N5OHL
George Dew	KO6OP
George Wagoner	N7UDT
Margaret Jenvey	W8GJK
John Meyer	W9JFM
Nadine Hopson	WA0SMQ
Jake Unger	VE4XJ

Awards Secretary John O'Keefe NJ3V RR2 Box 2890 Brackney PA 18812:

**Bureau Managers:**

40m	Will Vaughn	KB5IPQ	374 Paul Road	Boyce	LA 71409
75/80m	Carole Hetzler	KD3FM	30 Causeway St.	Hudson	MA 01749
CW/RTTY/160	Tom Smith	N8DXR	118 South Hanover	Hastings	MI 49058-1936

Web Manager KD3O [www.kis.net/kd3o](http://www.kis.net/kd3o)