



The Centurion

Volume 2007, Issue 2 - March 2007

Route 66: The Journey IS the Destination

By Jim N5OHL
2007 Eyeball
Coordinator

Come to Oklahoma to see and enjoy Historic Route 66 on your way to the 3905 Century Club Eyeball. Here in Oklahoma See 'Eyeball,' page four



The round barn in Arcadia, Ok.

Mobley Takes Over as Vice President

Rick Mobley, WB5FDP, was elected vice president of the 3905 Century Club during the spring election. Mobley took office March 1, and will serve a two-year term.

"I congratulate Rick for winning the election,"

See 'Mobley,' page six

OX3PG Sets Up in Greenland: Works 40m Century Club Net

By Dwayne E. Lipscomb Sr.,
KD4POJ

I arrived at Thule Air Base, Greenland on July 7, 2006 greeted by a great summer day—however it was nothing like I imagined. Temperatures were in the 50s and the sky was clear. The terrain was bleak at first, and although I was expecting little vegetation, it I wasn't ready for what greeted me.

Greenland is known as the Arctic desert and that isn't far from the



OX3PG carries on a qso from his truck.

truth. There are no trees, very little grass and only a few flowers that grow this far above the Arctic Circle.

However it is a wondrous place with scenery that you can only appreciate after you See 'Greenland,' page two



The inverted discones can be used as low as 80m and 160m, using a tuner.

Greenland . . .

(continued from page one)

have been here and hiked out to the glaciers, ice cliffs and caves. There is even a breath-taking waterfall.

Summer temperatures in general don't get much higher than 60F and the air is so clear that distances are deceiving. The island just to the west of the base in the North Star Bay looks like it's only a few miles away when in fact it's over 11 miles. The weather in the summer here is more like what you have in North Dakota in early-to-mid-spring but with a lot less rain. This is a very arid place with very little rain or new snow. I was told there are only a few inches of new snow each year. Most of the snow on the ground is second-hand snow, blown into the valley from the ice cap 24 miles from base.

Gill, my sponsor was quick to point out he had no idea what ham radio was but found there was at least one American ham that could help me discover the ins and outs of operations here. After checking into the dorm and stopping by the office, Gill took me to the post office. While they were setting me up with a post box and key they handed me my first mail. To my surprise it was my Greenlandic License with the call OX3PG! The only thing that could have made my day any better was to have all my gear on the island.

Gill and I took a drive around the base, he introduced me to some key figures that I would be dealing with over the next year and gave me the standard nickel tour base and all it had to offer. Later we stopped by the logistics folks to check on the status of my household goods shipment. Another turn of good fortune, my stuff was here and ready to be delivered. They asked, "Would today be too soon" and I replied "No, today would be great!" An hour later I was unpacking my radio equipment and setting up my station. I didn't waste anytime getting the station in order. In moments it was set up on my desk and then I spend an hour looking around the building trying to figure out how I was going to get an antenna up and operational to start working contacts that night.

After looking around I found that there



Dwayne works special modes using his computer and radio.

were no tall objects I could use to support my B&W dipole, I would have to find something else that would work.

I had several ideas before I left Minot one what kinds of antennas I might need up here and packed my Hustler mobile vertical with several resonators. I packed the 20, 40 and 75m coils and also had a 10m coil just in case.

Well behind our flat top, what we call some of our older buildings (see photo), I found an old piece of 10-foot conduit that would do. I wanted the coil and whip to be above the roof line. I planned right, after another few hours unpacking and finding a mounting point for antenna I was on the air listening to a lot of DX.

I wasn't sure if the set up would work and was unsure if I was legal in the way I set up my shack. Each base has rules about antennas, frequencies you can or can't use and what you can and can't drill through. Additionally I still had to go to the Greenlandic Post Office and pay my licensing fee. So once I was sure I got the basics taken care of off to the post I went. It wasn't until Saturday that I was ready to start working some DX.

I made my first DX contact on July 9 at 01:33:39z, with YL4HQ with a solid 59 + from Latvia. The bands were full of folks contesting and I was doing what I like best, giving out multiplies! Wow, what a treat I was making contacts left and right with 100 watts from my TS440s and a hustler vertical on a piece of conduit out back.

My second U.S. contact that week-end was with an old friend that I have worked many times from North Dakota, Mitch K7RL on Camano Island, off the coast of Washington. Needless to say Mitch and several others of my

past contacts have been pleasantly surprised to hear me on from this semi-rare location.

In my defense, I tried to announce that I was coming here. I wanted to make sure all my old friends were sure to look for me and that I could give them a contact. I enjoyed our short rag chew even in the mists of that contest but, hey you all know I like to gab while I am on the air even if there is a contest on.

Things went smoothly for a couple of days, and by July 13 I had the Rig Blaster hooked up and working digital modes. I worked several U.S. calls on PSK31 and even a couple of Russian stations. Later I tried some other modes and worked JM7OLW Suke in Fukushima, Japan using MFSK16. I like a lot of different digital modes and made several contacts using RTTY, MFSK16, PSK31, and Hell-Schreiber.

As some may know, I am one of earliest members of the Feld Hell Club and the clubs net control manager. To date, I have made several contacts in HELL mode and even participated in the recent Feld Hell QSO Party. I hope to be doing some Olivia as well but I have to say I am new at that mode and have only made a hand-full of contacts back in North Dakota so it will be a real test of that mode for me up here. For those of you who do slow scan, I have made a few contacts but still am not too comfortable with that mode. I will work on it and if you copy me will send you some great pix from Greenland.

I was well on my way to complete bliss. I haven't really had this much fun since I operated HZ1AB in Dhahran KSA. (Ed. Note: I also was a member of the HZ1AB club in Dhahran while working there for 15 years.)

I was working new DX and old friends from around the world. I even had a nice ragchew with my friend Elmo EA5BYP from Alicante, Spain. Elmo and I go back a bit, we first met while he was trying to complete his 80m WAS. Seems someone always needs a ND station to finish their WAS. Elmo happened to see me spotted on the DX cluster and gave me a call.

Now as with most operations there are



The log periodic was finally fixed. The feedline was crushed by snow removal equipment. Even so, the rotor is not working and it only faces in one direction.

always some complications. This trip is not exempt to say the least. Here that has caused me and may others some anguish.

First it was decided that everyone living in my dorm had to move to new quarters. Wow what a place, three stories, I got two rooms (wasn't really any different than where I was) wall to wall carpet, private bath with full tub not just a shower. Each room has a big TV 30+ inch HDTV, lazy boy recliner, desk, book case and a queen sized bed. Some of us have referred to it as the Thule Tashmahall.

I was not enjoying the idea of moving.

First, I had to move after work and with no help. That really wasn't so bad since I didn't really bring that much up here with me, just about 800 pounds.

The second and main reason was that with moving into this new place I didn't have anywhere I could put my antenna. The new quarters are nestled in between several other three-story buildings, with all sheathed in metal. Putting my antenna outside at ground level would be like putting my antenna in the middle of a big steel box and trying to get a signal out. Further, since it was a new building I couldn't mount any antennas on or off the building. There was something about warranties and base beautification rules.

I did think up with some portable antenna ideas and worked with the Dan-

ish contractors to mount a sturdy pole east of the building and run coax across and under the building, but that didn't work.

I experimented with a MFJ window mount antenna and was about to see if I put it to the east of the building in the area, where I was thinking about this pole idea, when my radio died. I could receive fine but the PTT circuits wouldn't key the radio.

I called that other American ham here, Dennis OX3UR, who is also the frequency manager for the base, to see if we could test this radio in another location. We tried and tried to no avail we could not fix the problem. I had to send the radio to a man in Texas who is a wizard with the old TS440s. The only problem with this is that mail to the U.S. can take from a week, to over a month, one way. But what could I do?

Right after all this bad news the base underwent several major inspections. As some Century Club members know from their time in the service the world stops for inspection. The only thing you have time for is to show the inspectors how well you and the base shine and if you are lucky get a few hours of sleep each night.

This helped me get over the anguish of a busted radio since I had barely enough time to do anything but work. I could have used Dennis's TS480 but he left the island for a month's vaca-

tion during the latter part of the inspection and I never got to see him before he left.

During my short time on the air I logged over 600 contacts in just two months. Granted, I only operated for a few hours during the week and didn't have the best antenna system, that was pretty good.

During that short time on the air I made several off net contacts with some of the CCN folks, Randy KJ4JC, Fred W5TSB, Gary AL9A, Jim AJ4IM, Mike WA3KYY and Jim AJ1M just to name a few.

When Dennis returned we looked for another location. He was in the same boat with his living quarters. Both were surrounded by other taller metal-sheeted buildings.

Dennis has been in Greenland for about three years and told me that the old global HF station on the south mountain had been removed and replaced by other communications systems but the big log periodic antennas were still there along with several other antennas. I asked him what the chances of using them for our hobby we would first have to get permission from the new owner of the building, the base maintenance contractor and about 10 other individuals including the base commander.

The commanders grandfather was a ham and interested him into getting a license! What luck, now only to wait on the others involved giving their blessing and we are in business!

There is, however, one big problem to deal with. Getting things done, takes twice the time! It's almost 99 percent sure that if you need an answer or a signature, the person you have to deal with is most likely on vacation OFF ISLAND. Yes the last man we need to sign off on our paperwork was off island and wouldn't be back for two weeks!

Two more weeks without RF; I felt like a junky with the shakes.

We finally got word that everyone was on island and supported our use of the old global HF antennas.

We took inventory, looking at what

See 'Greenland,' page four



Rock Café in Stroud, Ok.

'Eyeball' . . .

(continued from page one)

homa we have some really unique sights and historic spots that are sure to enhance your eyeball trip. Oklahoma has more of the original road than any other state (about 400 miles). Travel on the old highway to experience all of the old buildings, bridges, roadside attractions, and then also visit with some of the friendly people that live along Route 66.

Greenland . . .

(continued from page three)

would be needed to make all the antennas operational. After few years of disuse we found the harsh artic environment had taken its toll on the monster antenna farm. One of the logs had a broken rotor chair, a broken element (of course it was the driven element and was lying over the top of several other elements) and other less server problems but was not something we had time to fix before the last light of fall was gone to the complete darkness of the Artic winter.

The other log was operational but was pointed over Northern Europe and the rotor controls had been removed. Seems that once the mission of global HF was through they pointed the beams into the prevailing winds to avoid or lessen the damage they would sustain during the hard Artic storms. We would have to find the tech manuals or someone familiar with the rotor control system to rewire and reactivate these monster antennas.

So for now we had one Log Periodic antenna somewhat operational.

We had to determine what would be required to repair the discones. We took the long walk to the first discone and we were surprised to find it would only require cleaning the balun contacts to the antenna and one more antenna was operational. When we put Dennis' an-

tenna analyzer on it we and found it would work great from 40m to 160m. Of course we would have to use a tuner to tweak things a bit, but it did great.

The other discone only required a new connection between the balun output and the antenna. We decided to replace both lines from the balun to the antenna and also tested it with the analyzer. We had three antennas.

Now the Rossette antenna is bigger than any antenna that I had seen so far. I and a few others thought that this would be the best antenna for operations on 160m.

Everything looked great, we cleaned the contacts at the balun and walked the large helix feed line back to the transmitter shack. Then we were disappointment and our hopes of having a big signal on 160m faded like the sun behind the southern mountain range. At some time, some one had cut the feed line about half way between the shack and the balun. We could only speculate why anyone would do this. There was nothing wrong with the antenna or the feed line to this point.

There was no way we could fix that anytime soon. We have may ideas for a fix, including a splice, capping off the line with a new connector at the cut and running regular RG-8 back to the shack and even replacing the whole line with some smaller helix that we might find stashed away in a old warehouse.

No matter what idea we came up with, the same problem still brought us to our senses—we didn't have time. The sun was making its way, faster each passing day below the horizon and would be gone before we could get all the materials for the repairs we needed. This would have to wait until spring or summer for us to repair this beautiful giant.

I will be gone before we can use this antenna but it's my hope that the other hams here will use it and come join our nets and give use some great contacts on 160m or even 80m.

With all the surveys complete and the minor repairs done it was time to operate.

On Oct 7 at 1505z I made my first contact with HB9TKS, Joe in Schoetz Switzerland on the log periodic. I only made 14 contacts that first day but it was great! I was ready to plan to work some folks in the states.

I have found that these logs don't have that great of a front to back ratio. But they do have about 17db of gain which really helps my little 100 watts punch through some of the bands QRM. Even with it pointed to Northern Europe I was working the U.S. pretty well. 20m was open, so I started working as many stations as I could. I even tried to do a few nets that I belong to on 20m and worked a bunch of old friends.

Interested in buildings and cool structures to photograph? We've got many that perhaps you have heard of already. The Round Barn in Arcadia, the Blue Whale of Catoosa, the Coleman Theatre of Miami, the Milk Bottle Building of Oklahoma City that I drive past almost every-day, the Totem Pole Park in Foyil, and the Rock Café in Stroud are just some of the unique features you can easily explore as you drive along the road.

Interested in old bridges? We've got Pratt bedstead, camelback Warren pony truss, modified Pratt through-truss, a



Unique bridge along Route 66.

wide road that carried Route 66 traffic from 1926 until the mid-1930s!

Do you get your kicks

in antique stores where you are sure to find an interesting treasure or two.

Route 66 is also about people. Oklahomans who made significant contributions to the lore of the Road include Tulsa's Cyrus Avery, "the father of Route 66;" Claremore's Will Rogers, whose humor and keen wit led him to become one of the country's first international superstars; Foyil's Andy Payne, winner of the first International Transcontinental

foot race (the Union Derby), which helped put Route 66 on the map; Hydro's Lucille Hamons, one of the Route's best-known personalities operated a gas station/store for over 50 years. A number of well-known Route 66 authors and historians are living and working right here

in Oklahoma, including Michael Wallis, Marian Clark, and Jim Ross. Everyone that is registered and coming to the 2007 Oklahoma Eyeball in July will receive prior to the eyeball an information packet that will include Route 66 information that is full of ideas to plan your trip.

Come experience the fun and history of Route 66 in Oklahoma. This is truly a case where "The Journey is the Destination."



Lucille's gas station in Miami, Ok.

brick-decked bridge and more.

Interested in driving some of the original pavement? Much of the old late 20's and 30's road is still in use today. In western Oklahoma route 66 is used for most of the access road that runs parallel to Interstate 40. In northeast Oklahoma, we even have two stretches of the original 9-foot

exploring museums? We have two fantastic Route 66 Museums and a host of wonderful county museums filled with enough interesting stuff to make your head spin. Stop in Elk City to see the National Route 66 Museum and in nearby Clinton is the Oklahoma State Route 66 museum. And, of course, every town along Route 66 has plenty of an-

foot race (the Union Derby), which helped put Route 66 on the map; Hydro's Lucille Hamons, one of the Route's best-known personalities operated a gas station/store for over 50 years. A number of well-known Route 66 authors and historians are living and working right here



Nine-foot road near Miami, Ok.

3905 Century Club Award Winners

Call Sign	Award	Number	Date	Band	Mode
K8PG	100 Point	37	12/07/06	20M	CW
N1NU	100 Point	34	02/02/07	20M	PSK
N1NU	100 Point	42	02/02/07	20M	RTTY
N1NU	100 Point	42	02/02/07	20M	RTTY
KC8RSA	100 Point	150	12/01/06	40M	CW
NWØW	100 Point	151	12/10/06	40M	CW
WB5GTM	100 Point	152	12/17/06	40M	CW
K8PG	100 Point	46	12/07/06	40M	PSK
N4CE	100 Point	47	02/05/07	40M	PSK
KØHNM	100 Point	101	12/19/06	40M	RTTY
AI4JW	100 Point	95	01/19/07	80M	CW
K8PG	100 Point	31	12/07/06	80M	PSK
K8PG	100 Point	40	12/07/06	80M	RTTY
KM5MS	100 Point	9	02/05/07	160M	CW
KI7PM	100 Point	10	02/23/07	160M	CW
2,000 Point Awards					
VE9DH		2463	01/10/07	40M	SSB
K7QFE		2464	01/10/07	40M	SSB
K3CD		2465	01/12/07	40M	SSB
KI4ABS		2466	01/14/07	40M	SSB
N3FNE		2467	01/18/07	40M	SSB
W7WJH		2468	01/25/07	40M	SSB
K6WSC		2469	01/25/07	40M	SSB
KI5FJ		2470	02/10/07	40M	SSB
WB5RPU		2471	02/14/07	40M	SSB
K7QHU		2472	02/20/07	40M	SSB
KB9KE		2473	02/24/07	40M	SSB
80 Meters 100 Point					
KBØZZZ		2702	12/02/06	80M	SSB
KI3S		2703	12/09/06	80M	SSB
N3TWH		2704	12/09/06	80M	SSB
W7CAR		2705	12/17/06	80M	SSB
K8RNM		2706	12/19/09	80M	SSB
KB0VH		2707	01/19/07	80M	SSB

(Continued on page six)

'Mobley' ...

(continued from page one)

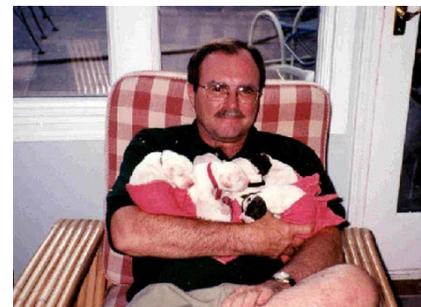
said John Thornton, NJ9T, president. "I would also like to thank the other candidates, Robert Duckworth, KE4DYG; Paul Genaw, K8PG, and Ron Stanley, NC4RS for running for office."

Thornton pointed out that any of the candidates would have made a great vice president.

Thornton announced that Peter Summers, N2XTT, was the winner in the 30th Anniversary Logo Contest. Peter will receive a nice jacket



Jim Foster, N1NU, Master Award #26



Paul Kelly, NN5G, Master Award #27

with the logo and his call sign embroidered on it.

The 3905 Century Club Board of Directors also approved the present-

tation of Master's Award degrees to Jim Foster, N1NU, Master Award #26; and Paul Kelly, NN5G, Master Award #27.

Call Sign	Number	Date	Band	Mode	Call Sign	Number	Date	Band	Mode	
W5OMU	2708	01/06/07	80M	SSB	160 Meters, 3,000 Point					
VE9DH	2709	01/10/07	80M	SSB	KM5MS	2	01/29/07	160M	SSB	
KG4NOZ	2710	01/29/07	80M	SSB						
KI4ROV	2711	01/29/07	80M	SSB	Master's Degrees					
KB2ENF	2712	01/31/07	80M	SSB	NØPUI	25	12/15/2006	Jay Wieland		
WA5NWS	2713	02/05/07	80M	SSB	N1NU	26	02/17/2007	Jim Foster		
KC8AMH	2714	02/05/07	80M	SSB	NN5G	27	02/17/2007	Paul Kelly		
KI5FJ	2715	02/10/07	80M	SSB						
WB5RPU	2716	02/14/07	80M	SSB	Alphabet Awards					
KI8U	2717	02/18/07	80M	SSB	K6CRA	441	12/09/06	40M	SSB	
W7WJH	2718	02/24/07	80M	SSB	K3QX	442	01/02/07	40M	SSB	
CH9DH	2719	02/24/07	80M	SSB	KI4DFS	443	01/02/07	75M	SSB	
					KI7PM	444	02/20/07	40M	SSB	
		1,000 Point								
K5SVC	459	01/30/07	80M	SSB	Baker's Dozen, All Bands					
					1454	W5NMX	KV9FGC	12/10/06	40	SSB
		2,000 Point			1455	W5MNX	KD1EJ	12/10/06	40	SSB
K3CD	169	01/02/07	80M	SSB	1456	W5MNX	K1CCN	12/10/06	40	SSB
					1457	W5MNX	WQ8TV	12/10/06	40	SSB
		3,000 Point			1458	W5MNX	KC5BFB	12/10/06	40	SSB
N1NU	70	02/05/07	80M	SSB	1459	W5MNX	KE5ABY	12/10/06	40	SSB
					1460	W5MNX	KI3S	12/10/06	40	SSB
		4,000 Point			1461	W5MNX	W7F	12/10/06	40	SSB
K4FSI	49	01/02/07	80M	SSB	1462	W5MNX	NI7F	12/10/06	40	SSB
					1463	W5MNX	W5FBK	12/10/06	40	SSB
		15,000 Point			1464	W5MNX	NJ2LH	12/10/06	40	SSB
N2XTT	3	01/02/07	80M	SSB	1465	W5MNX	KC0TRB	12/10/06	40	SSB
					1466	W5MNX	N7BYU	12/10/06	40	SSB
		160 Meters, 100 Point			1467	NN5G	NM3U	12/10/06	40	SSB
K5WSC	426	12/02/06	160M	SSB	1468	KC8MMZ	NI7F	1/6/07	40	SSB
W4HWD	427	12/10/06	160M	SSB	1469	KC8MMZ	K8LPQ	1/6/07	40	SSB
K8RNM	428	01/06/07	160M	SSB	1470	KA2WQR	WW7AS	1/30/07	75	SSB
WR5RR	429	01/06/07	160M	SSB	1471	KA2WQR	K7NZ	1/30/07	75	SSB
KA7HUO	430	01/12/07	160M	SSB	1472	KA2WQR	NI7F	1/30/07	75	SSB
KD7VBJ	431	01/12/07	160M	SSB	1473	ABØJH	KI4DFS	2/10/07	160	SSB
K4LO	432	01/12/07	160M	SSB						
AJ4IM	433	01/12/07	160M	SSB	Clint Wise Award					
KI8U	434	01/06/07	160M	SSB	AG2B	2 20	01/02/07	40M	SSB	
K9ZK	435	01/14/07	160M	SSB						
N7XG	436	01/17/07	160M	SSB	Beat-the-clock Awards 40M					
KI4MMK	437	01/31/07	160M	SSB	KC8RSA	4	12/07/06	40M	SSB	
KI5FJ	438	01/31/07	160M	SSB	VE9DH	5	02/24/07	40M	SSB	
W7UV	439	02/14/07	160M	SSB						
NØLOH	440	02/23/07	160M	SSB	Beat-the-clock Awards 75M					
		160 Meters, 1,000 Point			KC8RSA	4	12/07/06	75M	SSB	
WTØA	17	02/16/07	160M	SSB	VE9DH	5	02/24/07	75M	SSB	
AE1Q	18	02/20/07	160M	SSB	KA2WQR	2	01/13/07	160M	Dictionary	



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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.

WA3EOP Honored As ARRL Atlantic Div. ‘Grand Ole Ham’

Page Pyne, WA3EOP, an active member of the 3905 Century Club Net for many years, was recently honored by the ARRL Atlantic Division with an award as “Grand Ole Ham.”

This award is presented by the Atlantic Division to outstanding operators in its region and is infrequently presented; Pyne was presented with the second such award since 2000.

Pyne holds the Century Club’s 75 meter SSB Certificate 1580, and 40 meter SSB Certificate 1115.

Pyne is well-known on our nets for his “Pocket Rocket Mobile” trips and for his Free Found the Elephants award for operators who talk to him on the nets in at least six states. Several members have earned those certificates, which are still available.

WA3EOP is also station trustee of W3HAM, which he often brings with him onto the nets.

“I’m not as active in my old age, but I still get on a couple of Century Club nets each month,” Pyne said.

Most often he operates a fixed station, but activates his Pocket Rocket operation whenever possible. He was recently mobile in Pennsylvania on the 40 meter net.

He has checked into the 40 meter CW net mobile from Delaware, Maryland, Pennsylvania, Virginia and West Virginia. He has done 11 or 12 states on SSB on the Century Club. He suggested that it members check their cards they may find they have qualified for his free “Found the Elephants” award. To stake their claim they need to mail or email



Tom Abernethy, W3TOM, left, ARRL Atlantic Division vice director, presents the “Grande Ole Ham” award to Page Pyne, WA3EOP.

him with a lot of the contacts showing which state he was in at the time, along with their preferred mailing address and how they want their name spelled on their award.

Seven Members Become Silent Keys

It is with deep regret that we announce that seven 3905 Century Club members have become silent keys:

W1WL, Colby W. Lufkin, Orrington, Maine
 N1AXG, Earl Sunderland, Lexington, Mass.
 N3PM, Joseph Lovejoy

III, Odenton, Md. He was active on the club’s cw nets.

W8ETH, Robert Jones, Royal Oak, Mich.

WD8V, Oliver N. Rinehart, Charleston, W.V.

W9ET, Jerry L. Ayers, Carmel, Ind.

KC0RSG, William J. Drusch, Bemidji, Minn.

Lufkin held Certificate 1867 on 75 meters SSB, and Certificate 1574 on 40 meters SSB.

Sunderland held Certificate 973 on 75 meters SSB.

Jones held Certificate 637 on 75 meters SSB.

Rinehart held Certificate 1481 on 75 meters SSB.

Ayers held Certificate 469



Joseph Lovejoy, N3PM

on 75 meters SSB; Certificate 24 on 40 meters SSB; and 1,000 point Certificate on 40 meters.