

ZERO BEAT



HEADQUARTERS MARINE CORPS HENDERSON HALL ARLINGTON, VIRGINIA 22214 MAY 1969

MARKING
THE START
OF **ZB'S**
8TH YEAR

(SINCE MAY 1962)



published by W4NTR-NØASM





**ZERO BEAT PUBLICATION.
HEADQUARTERS MARINE CORPS
HENDERSON HALL,
ARLINGTON, VIRGINIA. 22214**

EDITORIAL

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COVER: Three of the characters which have appeared in past ZB issues are back to mark the start of ZB's eighth year. Let's all get into the act with contributions to our pub.
 ★★★★★★★★★★

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★★★★★★
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 compiled by SSgt Douglas G Thomas

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NEWS & VIEWS



ATTENTION.....

TO SPEED UP THE PUBLICATION OF ZERO BEAT THE CLOSE-OUT FOR ARTICLES AND TRAFFIC REPORTS WILL HAVE TO ARRIVE AT THIS STATION NO LATER THAN THE 15TH OF EACH MONTH.

EDITOR

NØRTW - Barstow

Things are really hopping here at RTW. We just got in two new Henry 4K linears and now nobody can say they cant hear us. Hi Hi Work has finally started on our new site and we hope to have moved to our brand spankin new station by one June. We've got a new Chop out here in the desert. He's SSgt Bill Biggs. He came to us from NØFAA, Camp Lejeune. He's got a lot of good ideas and has started to really get this station off the ground. We're expecting LCpl Tony Green to show up here from NØEFD next month. So we should be in pretty good shape operator-wise by then.

73's Werg

NØAMC - Albany

Not too much to talk about this month. What with traffic being so slow I am kind of ashamed of sending this traffic report. I'll try to do better next month. Am looking forward to getting "Lew", Cpl Kimmel down here and guess it won't be long now. Will be going to Tennessee this month for a long week-end so am waiting anxiously for that. That's about it from this end so will try to keep in touch. See you all later.

73's Jim NØAMC

NØEFL - RVN

Just finished installing all new model 28, 1ØØ wpm equipment in the station. We were able to do this through our local Comm-center of which the personnel are very cooperative. They even maintain the equipment for us. It looks like NØEFL will be the major TTY station in Viet Nam unless NØEFB "Wes" gets some good 1ØØ wpm equipment from headquarters Marine Corps. Hi Best regards to all and...

73's Ed

NØEFA - RVN

We are blessed with another addition to the station by the name of Sgt Ron Todd. He comes straight from the bush so we are busy housebreaking him now. Had a surprise visit from NØGVN last week. Guess everything is in satisfactory shape cause we are still here. Put up a 6ØØ foot long wire and can now send RATT to Bravo with only five watts and almost solid copy. Maybe we should start a QRP contest.

VY 73 Red

NØIXF - Cherry Point

We have completed construction of our new station. The last coats of paint will be on soon. Hoping to get more traffic very soon. After the departure of GySgt Rosenburg, I am the new Chop. This is my first duty in the MARS program as I am a 6725 from VMGR-252.

Jack

NØEFD - RVN

Effective the first of April a long standing and very agreeable relationship was ended. NØRTW, one of the best, if not the best, gate-way in the system was reassigned and no longer is our gate-way. The loss has been noticed and is reflected in our phone patch total this month. We would like to take this opportunity to say thanks to the ops at RTW. 73 ES CUL. Our attempt to get pictures taken for station of the month, failed and the final write up is a joke, and will be forwarded to you by the Marine Corps. If I was you I wouldn't publish it. Hi Hi

73 Jim

NAV2 - Arlington, Va

Our CHOP, Gysgt (Wayne) Justis, just returned from three weeks at the Teletype Technical Training Center in Chicago, and is now busy, along with Sgt (Bob) James, trying to get some of our older equipment up to standard. With the new fiscal year coming up we're expecting some changes to the station, More about those when they happen.

NØIZG - Kaneche

Have received just over \$1,150 to purchase a new Henry 4K linear. This should be in operation prior to the next report. The new budget is in and is about \$4,000 more than last years budget of \$9,600 that was approved. We anticipate the 13 to 30 log from Headquarters Marine Corps any week now. If the budget goes as expected, we have a good chance of having a 10 to 30 log antenna this next fiscal year. A new building also.

Dick Stulz Chop NØIZG

NØFJM - Gitmo

As can be seen, no time to have any news or views as I had more work than I could handle. See new Leatherneck for info on our station.

NØEEM - Camp Smith

Lost Cpl (Charlie) Nemec this week, was transferred to the S-3 office for undetermined reasons. Any way, I'm pleased to announce that we have picked up Sgt Dale Skogman, I'm sure you remember Dale from EFJ or ANP. Hope he'll like his new assignment. Traffic is climbing, although we're hurting for equipment repair and antennas. Hope things smooth out soon. Best of 73's from the land of liquid sunshine...

(still) SSgt R L (Russ) Miller

NØFAA - Camp Lejeune

Traffic has picked up considerably here and we enjoyed working with NØRSE while NAV2 was down for repairs. All hands have been very busy remodeling and rewiring for the past month but we still have plenty to do here.

73's Ray

NØIVT - Vieques

WA6CLJ/KP4 will be heard more and more from this QTH as I now have my own rig working. And I am looking for a station in San Diego, Calif. so I can talk to my "Mommy" on my own radio. Know any one?

RVN

NØGVN



MSGT BILL COUNTRYMAN JR

The month of April brought added stripes to GySgt Rivera, SSgt Padgette and Cpl Linger. GySgt Brooks left on emergency leave. Best wishes for a speedy recovery of young Ben. SSgt Klopp now commands NØEFL. SSgt Atkinson returns to San Diego for duty. Sgt Hutchins and Cpl Linger do not have orders as yet. GySgt McCullum is back at NØEFC after a refreshing 30 day (stretched a bit) leave to CONUS. Frank now rotates in Oct.

GySgt Rivera and myself visited stations in Quang Tri, Dong Ha and Chu Lai during the month. A lot of work and scrounging has gone into the stations with just about everyone either improving or planning improvements to the shacks. With the boss gone (GySgt McCullum) on leave, NØEFC was a surprise with waxed tile decks and neat as'a pin, including the hootch the gang occupies as living quarters.

NØEFA has a very deep bunker we used on the spur of the moment though it was a false alarm. Never saw one so deep in the ground, especially with no water in it. NØEFQ has their station looking good now that they are operational. NØEFL has just finished, or nearly so, their station after gaining more space. They also had N C S on the in country net for the past month. Thats quite a chore as it requires a directed net 24 hours a day.

Chief Tipton, our director from Saigon, visited the area a few days. Don't know that we settled anything but it was nice to talk over the lack of frequencies and the rest of our problems.

Traffic this month was pretty good with NØEFA NØEFD and NØEFJ over the 1000 mark on P/P.

73's Bill



NØPPC



RVN - CONUS PHONE PATCH

COORDINATOR. MSGT BOB ROTELLA

RVN/CONUS QUARTERLY PHONE PATCH ASSIGNMENTS: EFFECTIVE ~~030100Z~~ APR 69

- | | | | |
|----|---------|-----------------------------------|------------------------------|
| 1. | 11402.5 | L (P) NØJPJ (B) NØRSE | WORK NØEFB NØEFR |
| | | U (P) NØFMO (B) NONE | WORK NØEFI NØEFQ |
| 2. | 13827.5 | L (P) NØUSM (B) NONE | WORK NØEFE NØEFO |
| 3. | 13927.5 | L (P) NØTEF (B) NØFOC NØZHP | WORK NØEFC NØEFK |
| | | U (P) NØRTW (P) NONE | WORK NØEFF NØEFS |
| 4. | 14470 | L (P) NØANP (B) NØLUV | WORK NØEFL NØEFT |
| | | U (P) NØRTY (B) NØJPJ | WORK NØEFG NØEFH NØEFK NØEFM |
| 5. | 14480 | L (P) NØWTG (B) NØKIX | WORK NØEFD |
| | | L (P) NØWTG (B) NONE | WORK JAPAN |
| | | U (P) NØRSB (B) NØAAV | WORK NØEFA NØEFJ |
| | | U (P) NØRSB (B) NØTEF | WORK JAPAN |
| | | U (P) NØRSP (B) NONE | WORK NØIKK NØRSN (ALL PHIL) |
| 6. | 19430 | L (P) NØRTY (B) NØRSB | WORK NØEFB NØEFR |
| | | U (P) NØAVD (B) NØISY NØKOR NØYSR | WORK NØEFN NØEFP |
| 7. | 19956.5 | L (P) NØFMO (B) NØHFO NØHNH NØIYO | WORK NØEFY |
| | | U (P) NØIYO (B) NØFMO | WORK NØIKK NØRSN (ALL PHIL) |

Propagation causing minor shifts in network activities, most stations are fairly well stabilized, firm scheduling should occur within first couple weeks of May. Freq of 13827.5Khz is NOT general useage for any/all NAVMARS sta's, exclusive use of Davisville, RI/RVN O N L Y!!! All other CONUS MARS sta's have AUTHORITY for operation this frequency at this time! Above freq/sta activity is up-to-date at this time. Sta's concerned will be advised of changes, overall changes occuring within the quarter will be promulgated next quarterly listing due Jul69.

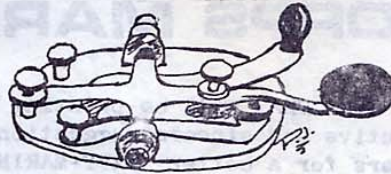
NEXT MONTH: RVN/CONUS QTRLY P/P ASSIGNMENTS: (Remainder freq's/sta's with all latest changes to date)

Individual station recognition forthcoming shortly, your local mailman will provide the details for you. With outstanding cooperation of Chief, NAVMARS, I am happy to report that each station I have recommended will be so honored or distinguished for their faithful, reliable, services rendered.

Bob Rotella NØPPC

WORLD WIDE MARINE CORPS

TRAFFIC NET.



Our net is on the move. More and more stations are joining us each day looking to handle traffic for us. With the help of Sam, W4LEV, we are getting a little net publication. And the station at Camp Lejeune takes net control on Fridays with W4NVL helping him out with the last hour, in which MARS pulls him out.

Net controls are taking smooth control of the nets during the time they hold it. Each in his own way taking in the traffic and picking up the stations wishing to join the net.

Lets get the check-in procedure conformed to a set method. The primary purpose of the net is to handle traffic--lets pick up the traffic first so there is little waiting for them. Ships at sea should have first consideration along with the deployed men over seas. Each station with traffic should give his call only Net control should pick up three or four and hold the net while trying to get the stations moved off. This should keep the net moving with station in or near the location where the traffic is headed checking in. After there is a little break in the traffic stations checking in, call for the stations in the QRU and V situation. The order should be in the direction that NC can copy best or where he knows there will be check-ins. I think that the 'Call Area' is a little slow and unnecessary for the most part. Our net is growing but it has not yet reached the time that it is necessary to pick up all the stations in one call area before going on to the next area. Net control can, with out too much effort call all stations with traffic and pick up a group out of the mess that comes in he then holds the net, and tries to get the traffic station together with the area that the traffic is going. Then picking up more traffic stations until all traffic completed or listed he is free to pick up the QRU and V stations in the order he likes.

I feel that this is the best way to pick up traffic because it makes less time for the traffic stations to pass the traffic. It keeps the net moving and interesting to those waiting to get in QRU and both of these are a must for a net.

The traffic for the net is not as high as we would like but I am hoping that we can get some other stations to come in and join us.

Band conditions on 15 have not been so good this month, more than once the net has collapsed with net control not hearing anyone and just a big black out.

IF I WERE CHIEF NAVY-MARINE CORPS MARS

ZERO BEAT will be printing the constructive and sincere suggestions of our readers for a better NAVY-MARINE CORPS MARS program.

By consent of Chief of Navy MARS, all letters will be screened by his office and action will be initiated on those of possible merit.

If you were Chief Navy MARS, what would you do to better the Program? Write your suggestions, in 300 words or less, to:

ZERO BEAT
c/o Navy MARS Station NAV2
HQBN, HQMC
Henderson Hall
Arlington, Virginia
22214



I would argue, beg, borrow, steal, bribe, do anything to get more freqs. Almost all major problems in the system center around the lack of freqs. Badly needed in RVN is a 40 meter freq for the in country net. At the present time comm is difficult and unreliable during the day light hours and little better at night. And, of course, phone patches.

NØEFD

I would utilize more U S Marine Corps "EXPERIENCED" Navy-Marine Corps MARS personnel in the (District Director) positions. I know this has been considered before with negative results but the times change and at this point there is good material in the Marine Corps portion not being utilized to the "best" for the system.

SSgt Dick Stulz NØGAN

(continued from page five)

KH6BGS on Wednesdays has been keeping the stations in order and picking up traffic hand over fist. W6HDP, Bill, has had some troubles with the antennas but it is up to the mark now and holding on with a strong hand Mondays. Woody, W6SUBL, with that big signal of his rides herd on the group Tuesdays and is never without a good word. W6KVQ, is the only one that KP4AZJ can't copy, but that does not keep him from taking the traffic with the help of relays, and them, we have plenty.

Our net needs you, join it, support it, and use it.

Lee
KP4AZJ/NØIVT

NØIVT

VIEQUES

At the M.C.B. Camp Garcia, Vieques Island, Puerto Rico, the Military Affiliate Radio System NØIVT recently made a big move! From our previous location on the lower southern side of the hilly island, with the rest of the base complex, we are now located high atop Radio Hill two miles away and over three hundred feet the camp's senior. With this advantage of height, the station's Mosley 33 Sr. has a fine shot at the United States, where almost all the traffic is headed and we have an excellent view of the camp with St Croix and Puerto Rico in the distance.

With the erection of the new Log Periodic antenna--covering 13 to 30 mhz--on its 60 ft. tower, the station will be 100 percent active on MARS and the amateur frequencies with new equipment. With the new 32S-3, the 75S-3C, and the big Henry 4K-2 PA replacing the old and tired communications equipment that has been here for years, the station will look forward to a long and fruitful future.

Phone patches are the primary traffic of this station. They keep the only operator, 'Lee', on the air from 0700 past 2100 Monday through Saturday with nets and schedules. An 'all day' schedule on ten meters with K8QAX and W8HDU in Ohio--now both Navy MARS--the 'Voice of Vieques', KP4AZJ, fills out the week with all day every-day-of-the-week service for the men stationed on and visiting the tiny island of Vieques.

Some of the changes here at AZJ are--most importantly-- the change of location from the small hot room located below, to the large air-conditioned room with two fans, which keep the equipment and operator cool and comfortable. The move also brought the military patch to Camp Lejeune, up on the same frequency.

Music keeps the lines from being, 'broken down' and the people happy while waiting to make the call to their XYL's and loved ones. With three phones the station makes one patch right after another with machine-gun regularity. With our new expanded facilities there is little waiting time and faster handling from the little station on the little island down south.

See the group on 21.430, Your Net. freq...

Lee

Any and all contributions to Zero Beat are welcome. But we can't publish them if you don't write them. Greatly needed for coming issues are station of the month articles and technical articles on all areas of interest to MARS/Amateur operators. We can use most anything. So lets get active and start submitting some material to support our publication...

the Editor

★ OKINAWA ★

AMATEUR RADIO - MARS COORDINATOR

GYSGT BUD DANSON

STATUS OF PERSONNEL WORKING FOR AMATEUR/MARS RADIO SYSTEM (OKINAWA)

NAME	RANK	Service No.	MOS	RTD	WORKING AT
Danson, W.B.	GySgt	616429	1169/8981	June 69	MARS Coord
Laszko, R.S.	SSgt	1555943	3241/8981	sept 69	NCOIC (KR6GF) (NØETG)
Park, C.J.	LCpl	2383594	1411	aug 69	NCOIC (KR6DI) (NØETL)
Driscoll, W.A.	LCpl	2414957	Ø811/8981	jan 69	Oper. (KR6MH) (NØETH)
Gwaltney, D.A.	LCpl	2417368	Ø311/8981	may 69	NCOIC (KR6MH) (NØETH)
Eberling, T.R.	PFC	2489688	2532/8981	apr 7Ø	Oper. (KR6GF) (NØETG)

KR6DI/NØETL- Camp McTureous

KR6MB/NØETJ- Camp Schwab

KR6MD/NØETI- Camp Hauge

KR6MH/NØETH- Camp Hansen

KR6CP/NØETK- Camp Courtney

KR6GF/NØETG- Camp Foster

1. The Camp Schwab station was closed on 11 april 1969.
2. GySgt Danson and LCpl Gwaltney are due to rotate at the end of May.
3. SSgt Laszko will have to take over as area MARS coordinator and this will leave the Camp Foster station with only one operator. Lcpl Park will have to be transferred to Camp Foster and the Camp McTureous station will have to be closed.
4. At the present time the following stations are closed, KR6MB/NØETJ Camp Schwab, KR6MD/NØETI Camp hauge and KR6CP/ NØETK Camp Courtney.

ON THE ROCK (OKINAWA)

Another month has passed and once again the Amateur/MARS system has suffered losses in the form of operators. As we all know, the system cannot operate properly without them. We have been forced to close down the Camp Schwab (KR6MB) station. Besides running traffic for the Camp Schwab personnel, it was also the back up station for Camp Hansen (KR6MH) to handle the overflow of transit personnel.

If we don't acquire the necessary operators soon we will be forced to close the Camp McTureous (KR6DI) station. At the present time Camp McTureous is trying to run calls for Camp Hague, Camp Kinser, Camp McTureous and Camp Courtney as well as the calls that were being run through the Camp Schwab station. If the McTee station has to close it will be just one more big blow to the morale of the troops here on the rock.

Two operators rotated in the month of April. Cpl John Hury and LCpl Bob Ross and both were from the Camp Foster (KR6GF) station. In the month of May we are scheduled to rotate two more of our men. One, our coordinator GySgt (Bud) Danson and LCpl Dennis Gwaltney. This will leave just four operators in our system unless something happens in a hurry. Things could look up though, thirty four billets of 8981's have been assigned to FMF PAC and fourteen of these to our Camp Butler Okinawa system. "Things could look up".

GySgt Danson has requested, as coordinator, an accompanied tour, but as of this date he has no answer. It takes 8 to 9 months to really get to know this job, therefore, unless something happens soon, he will highly recommend SSgt Bob Laszko for his job. I am sure he will do a fine job but he will definitely have his hands full finding operators for the system.

When the Camp Schwab Station was closed, the NCOIC, LCpl Chet Park was transferred to the Camp McTureous station and if this station is closed he will probably go to Camp Foster. Therefore making the rounds of operating each station on the island.

We want to welcome aboard PFC Thomas Eberling. After training at Camp McTureous he was transferred to Camp Foster to give SSgt Laszko a welcome helping hand. Tom was in transit and stopped by our Camp Hansen station to introduce himself as a HAM operator. GySgt Danson was notified at once and he managed to get Tom into our little (and getting smaller) group.

The old BOQ building that is next to the officers club and adjacent to the Camp McTureous radio station is now being occupied by this stations personnel. These quarters were necessary because our operating schedule could change to night operation and it would almost be impossible for them to sleep in the barracks they were in because of traffic that passed through it during the day. This room will also be used by the new operators, coming into the system, while training.

The Camp McTureous station now has a long wire antenna up for use during the coming hurricane season. It seems to work well and the stateside stations are just booming in off of it.

73's for now from The Rock and we will see you farther down the log,

GySgt W B (Bud) Danson Jr
K4EIK/NØKBE

CONVERTING THE

KY-79/UR

The unconverted KY-79/UR is a single tone audio oscillator with selectable output frequencies. After conversion, the KY-79/UR will provide standard teletype tones (2125 and 2975 cps). In fact, the mark/space frequencies and shift are variable over a wide range.

Before attempting the conversion make certain that the oscillator is functioning properly.

CONVERSION:

1. Remove top cover
2. Locate RL4 and RL5 and remove. These are 6 watt light bulbs located in back of the output frequency selector.
3. Locate the outer terminal of RL4's socket. This socket is located closest to the top of the unit and the terminal has two wires connected to it (tan and yellow/violet). Connect the circuit in figure 1 to this point.
4. Remove the output monitor jack located on the front panel. Tape and let hang inside the unit. Mount the mark freq, and space freq, pots as indicated on the front panel.
5. Remove the wire on terminal 1 of TB-1 (see sketch). Connect a wire as indicated in figure 1 from the junction of the 470 ohm resistor and the .01 mf disc capacitor to this terminal.
6. Replace top cover.
7. Remove V5, V6, and V7 since they are not used.

ADJUSTMENT:

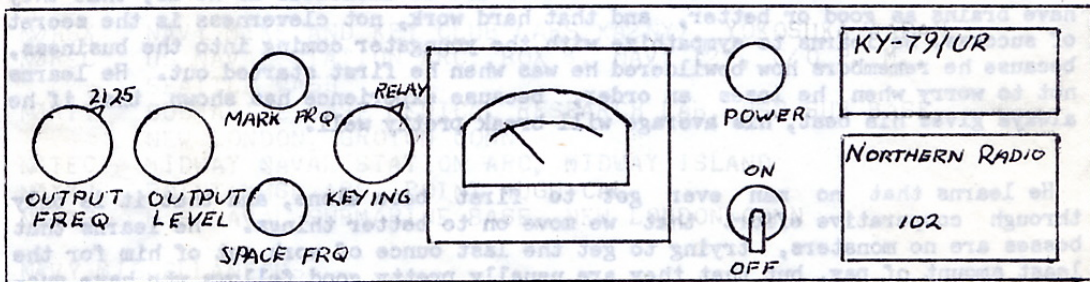
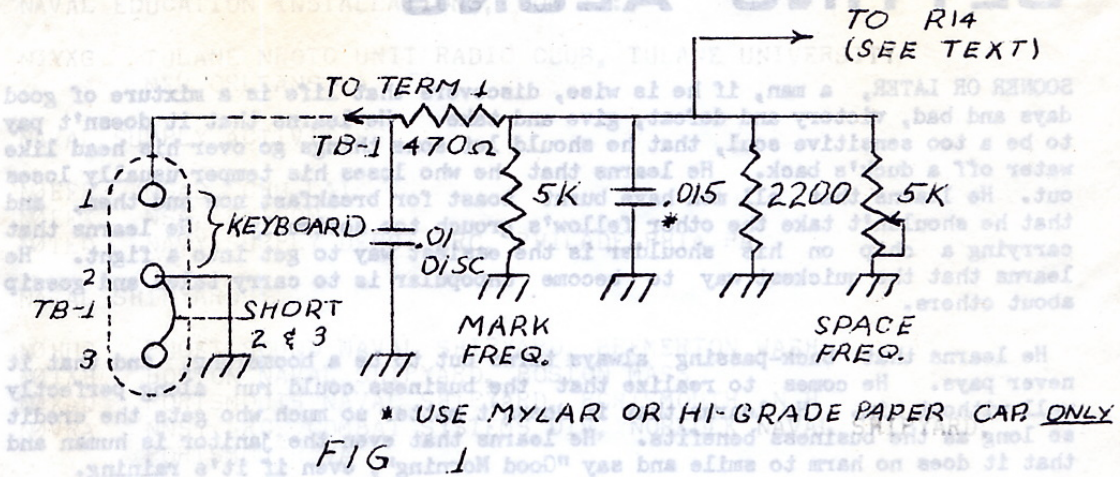
Some method of measuring frequencies is needed. This can be either a calibrated audio oscillator and oscilloscope or better yet a terminal unit with scope indicator.

1. To adjust the frequency:
 - a. Break connection between terminal 1 and 2 of TB-1 by depressing the break key on the teleprinter or other means and adjust the space frequency control to 2975 cps.
 - b. Short terminals 1 and 2 again and adjust the mark frequency control for output on 2125 cps.
 - c. Check space frequency again and make any small corrections necessary to put the oscillator on 2975 cps. There is a small interaction between controls.

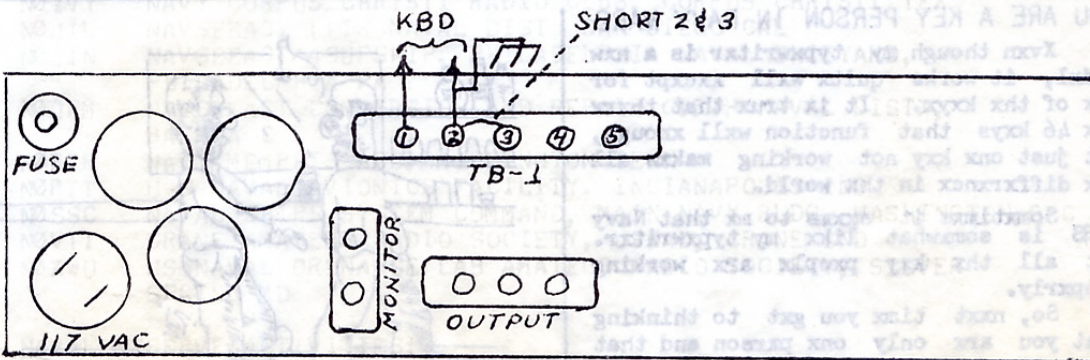
Mark frequency is always lower than space frequency. Shift is variable from 0 cps to over 1500 cps, in the range of 3500 cps to 6000 cps. Therefore, it is a rather versatile oscillator and will allow narrow shift AFSK operation as well as operation on 2125/1275 cps for SSB use.

Mr Kenneth J Doyle
"NØRSS"

CONVERTING THE KY-79/UR (NORTHERN RADIO #102) TO AFSK



FRONT VIEW



REAR VIEW

GETTING ALONG

SOONER OR LATER, a man, if he is wise, discovers that life is a mixture of good days and bad, victory and defeat, give and take. He learns that it doesn't pay to be a too sensitive soul, that he should let some things go over his head like water off a duck's back. He learns that he who loses his temper usually loses out. He learns that all men have burnt toast for breakfast now and then, and that he shouldn't take the other fellow's grouch too seriously. He learns that carrying a chip on his shoulder is the easiest way to get into a fight. He learns that the quickest way to become unpopular is to carry tales and gossip about others.

He learns that buck-passing always turns out to be a boomerang, and that it never pays. He comes to realize that the business could run along perfectly well without him. He learns that it doesn't matter so much who gets the credit so long as the business benefits. He learns that even the janitor is human and that it does no harm to smile and say "Good Morning", even if it's raining.

He learns that most of the other fellows are as ambitious as he is, that they have brains as good or better, and that hard work, not cleverness is the secret of success. He learns to sympathize with the youngster coming into the business, because he remembers how bewildered he was when he first started out. He learns not to worry when he loses an order, because experience has shown that if he always gives his best, his average will break pretty well.

He learns that no man ever got to first base alone, and that it is only through cooperative effort that we move on to better things. He learns that bosses are no monsters, trying to get the last ounce of work out of him for the least amount of pay, but that they are usually pretty good fellows who have succeeded through hard work and who want to do the right thing. He learns that folks are not any harder to get along with in one place than another, and the "getting along" depends about ninety-eight per cent on his own behavior.

YOU ARE A KEY PERSON IN NAVY MARS

Even though my typewriter is a new model, it works quite well except for one of the keys. It is true that there are 46 keys that function well enough, but just one key not working makes all the difference in the world.

Sometimes it seems to me that Navy MARS is somewhat like my typewriter. Not all the key people are working properly.

So, next time you get to thinking that you are only one person and that your efforts are not needed, remember my typewriter.

NWRC



SHO, I SHEZ TO THE GUY,
"GO TRAFFIC"!!

NØASA ROUTING INFO

The following locations are local D C traffic and should be routed through NØASA:

Washington D C

Maryland:

Accookeek
Beltsville
Bethesda
Brandywine
Clinton
Colesville
Crofton
Fort Washington

Gaithersburg
Glenn Dale
Hyattsville
Indian Head
Kensington
Landover
Laurel
Marlboro

Norbeck
Oxon Hill
Potomac
Rockville
Silver Spring
Suitland
Waldorf
Wheaton

Virginia:

Alexandria
Annandale
Arlington
Centerville
Chantilly
Fairfax

Falls Church
Forestville
Fort Belvoir
Great Falls
Groveton
Herndon

McClellan
Mount Vernon
Springfield
Sterling Park
Vienna

In addition to the above cities, traffic destined to NAV, AIR, WAR, or any Army or Air Force MARS call sign should be routed through NØASA.



One SWAN 500 Transceiver, matching A/C Power Supply; approximately one year old, less than 100 hours actual operating time. Contact: Wayne Justis @ NAV2 -- Phone 703-525-4452

TRAFFIC COUNTS -- NØALM

April 1969

	ORIG	RCVD	RELY	DLVD	TOTAL	TOTAL PP
NØAMC	7Ø	66	46	1Ø	192	126
NØANP	1686	292	225	67	227Ø	825
NAV2	43	3114	3134	----	6291	159
NØEEM	1	5	----	----	6	1236
NØEFA	72	1Ø63	1ØØ9	54	2198	1521
NØEFB	511	2787	4448	----	7746	542
NØEFC	183	56Ø	456	----	12Ø9	687
NØEPD	163	3178	28Ø8	2Ø7	6346	1132
NØEFJ	96	42	1Ø6	----	244	1Ø14
NØEFL	117	853	971	75	2Ø16	852
NØEFQ	57	118	63	----	244	76
NØEFT	721	1Ø8	721	----	155Ø	494
NØEFY	96	72	123	----	291	351
NØENV	NO REPORT RECEIVED					
NØETG	----	----	----	----	5Ø35	3
NØETH	----	----	----	----	2348	52
NØETJ	----	----	----	----	----	----
NØETL	----	----	----	----	----	----
NØFAA	66	1574	1612	28	3214	264
NØFIT	----	----	----	----	1196	124
NØFJM	6Ø	45	----	45	15Ø	1153
NØFOC	NO REPORT RECEIVED					
NØIVT	----	----	----	----	----	----
NØIXF	6	91	95	3	195	----
NØIZG	5	3	----	3	11	789
NØRSB	NO REPORT RECEIVED					
NØRSE	NO REPORT RECEIVED					
NØRTP	115	5Ø8	443	65	1131	----
NØRTW	2	753Ø	7533	3	7538	7Ø73
NØXXN	NO REPORT RECEIVED					
W4BHU	NO REPORT RECEIVED					
W4BUJ	1	8	4	2	15	27
W4LEV	----	----	----	----	----	35
K4MCL	2Ø	49	2	----	71	11
W4NTR	----	----	----	----	----	----
W4PFC	----	3Ø	----	----	3Ø	1Ø
KG4AM	----	2	----	2	4	33Ø
KP4AZJ	----	----	----	----	----	375
W6FCS	NO REPORT RECEIVED					
W6IAB	NO REPORT RECEIVED					
W6YDK	4677	253	57	196	5183	144
W6ZJB	----	----	----	----	----	----
KH6AJF	----	----	----	----	----	18
KH6BGS	----	4	----	4	8	39
KR6DI	4	----	----	4	8	634
KR6FQ	1	2	1	2	6	617
KR6GF	----	2	2	----	4	758
KR6MB	----	----	----	----	----	323
KR6MH	----	----	----	----	----	1645
WA7AAJ	----	----	----	----	----	----

THE FOLLOWING IS A LIST, IN ALPHABETICAL ORDER BY CALL SIGN, OF ALL MULTI-OPERATOR NAVY-MARINE CORPS MARS RADIO STATIONS, WITH SOME INFORMATION ABOUT EACH ONE. IN SOME CASES, THIS INFORMATION CONSISTS OF ONLY THE ADDRESS, WHILE IN OTHERS THE INFORMATION IS MORE COMPLETE. THIS INFORMATION IS COMPLETE AND UP-TO-DATE AS OF MAY 1969, AND ANY NEW OR ADDITIONAL INFORMATION WILL BE GREATLY APPRECIATED BY THE COMPILER, NØKQQ (MCRD, SAN DIEGO, CAL C/O NØANP). THIS LIST WILL BE SUPPLEMENTED SOON BY PARTS 2 AND 3 WHICH WILL BE CROSS-REFERENCED BY SERVICE OR TYPE OF ACTIVITY/AFFILIATION, AND LOCATION. IT IS HOPED THAT THIS INFORMATION WILL BE OF VALUE TO ALL MARS MEMBERS.

 CROSS-REFERENCE LISTING.... PART ONE

NAV	HQ NAVY MARS RAD STA ARLINGTON VA
NØAMC	MCSC ALBANY GA
NØANP	MCRD SAN DIEGO CAL (NØPPC HERE)
NØASA	CHIEF NAVY-MARINE CORPS MARS (NAVAL COMM COMMAND N32) BAILEYS CROSSROADS VA
NØASB	NAVY-MARINE CORPS MARS MARCOR LIAISON OFFICER BAILEYS CROSSROADS VA
NØASC	6TH NAVY MARS DISTRICT DIRECTOR, US NAVAL BASE CHARLESTON S C
NØASD	4TH NAVY MARS DISTRICT DIRECTOR, US NAVAL BASE PHILADELPHIA PA
NØASE	11TH NAVY MARS DISTRICT DIRECTOR, US NAS MIRAMAR CAL
NØASF	8TH NAVY MARS DISTRICT DIRECTOR, NEW ORLEANS LA
NØASG	9TH NAVY MARS DISTRICT DIRECTOR, ARMED FORCES RESERVE CENTER, WAUKEGAN ILL
NØASH	12TH NAVY MARS DISTRICT DIRECTOR, US NAVAL BASE TREASURE ISLAND CAL
NØASI	3RD NAVY MARS DISTRICT DIRECTOR, BROOKLYN N Y
NØASJ	10TH NAVY MARS DISTRICT DIRECTOR, US NAVCOMMSTA SAN JUAN P R (GUARDED FOR BY NØASC)
NØASK	13TH NAVY MARS DISTRICT DIRECTOR, HQ 13TH NAVAL DISTRICT SEATTLE WASH
NØASL	14TH NAVY MARS DISTRICT DIRECTOR, (PAC), USNRIC HONOLULU HAW
NØASM	HQ MARINE CORPS, ARLINGTON VA (HENDERSON HALL)
NØASP	15TH NAVY MARS DISTRICT DIRECTOR, FT AMADOR, C Z (GUARDED FOR BY NØASF)
NØEEM	CAMP H M SMITH ARS, HQ FMFPAC, AIEA HAW
NØEFA	DONG HA 3RD DIV
NØEFB	DANANG 1ST MAW
NØEFC	CHU LAI 1ST MAW
NØEFD	DANANG 1ST DIV
NØEFE	CHU LAI CAMP SHIELDS
NØEFF	QUANG TRI
NØEFG	DONG HA CAMP BARNES

NØEFH	CHU LAI CAMP CARROLL/MILLER
NØEFI	DANANG NAVY REP IN TRI-SVC NET (CAMP ADENIR)
NØEFJ	PHU BAI 3RD DIV
NØEFK	DANANG CAMP HOOVER
NØEFL	DANANG FLC/FSR
NØEFM	HUE/PHU BAI CAMP WILKENSON
NØEFN	CAM RANH BAY
NØEFO	DA NANG CAMP HASKINS
NØEFP	USS BENEWAH
NØEFQ	QUANG TRI
NØEFR	NSAD CHU LAI
NØEFS	DANANG (MONKEY MT)
NØEFT	AN HOA
NØEFU	AN THOI
NØEFV	USS REPOSE
NØEFX	NSA SAIGON
NØEFY	DANANG 3RD MAF
NØEFZ	SAIGON
NØENV	MCAS IWAKUNI JAPAN
NØEPR	WAUKEGAN V H F SOCIETY AND ARC, WAUKEGAN ILL
NØERA	807 SOCIETY OF CENTRAL HIGH SCHOOL, PHILADELPHIA PA
NØETG	CAMP FOSTER (SUKIRAN) OKI
NØETH	CAMP HANSEN OKI
NØETI	CAMP HAGUE OKI
NØETJ	CAMP SCHWAB OKI
NØETK	CAMP COURTNEY OKI
NØETL	CAMP MCTUREOUS OKI
NØEUQ	MADISON MEMORIAL HIGH SCHOOL ARC, MADISON OHIO
NØEWV	US NAVCOMMSTA (ROUGH AND READY ISLAND) STOCKTON CAL
NØEXA	USNRTC CLIFTON N J
NØFAA	MCB CAMP LEJEUNE N C
NØFAV	PENNSYLVANIA WIRELESS ASSN, BRISTON PA
NØFCL	TRI-STATE COLLEGE ARC, ANGOLA IND
NØFIT	MCAS FUTEMA OKI
NØFJM	MARINE BARRACKS, GUANTANAMO BAY CUBA
NØFOC	MCAS, YUMA ARIZ
NØFGM	USN SECURITY GROUP ACTIVITY, HOMESTEAD FLA
NØFTT	SHIPS, WEST VA UNIV MEDICAL CENTER, MORGANTOWN, W VA
NØFVU	US NAVCOMMSTA, WAHIAWA OAHU HAW
NØFZC	TRAINING DIV, USN ORDNANCE PLANT, LOUISVILLE KY
NØHEI	USNRTC HAWTHORNE CAL
NØHFA	USNRTC HONOLULU HAW
NØHFS	GREATER NEW ORLEANS ARC INC., HARVEY LA
NØHKM	USNR SURFAC DIV 3110(S), NRTF, NAD EARLE COLT'S NECK N J
NØHNC	GENERAL DYNAMICS ARC POMONA CAL
NØHRB	INDIANA MEMORIAL UNION ARC, INDIANA UNIVERSITY BLOOMINGTON IND
NØHSC	NAVAL ELECTRONICS SYSTEMS COMMAND BAILEYS CROSSROADS VA
NØHSX	NAVY MIKE AND KEY CLUB (ARS KA2NY) YOKOSUKA JAPAN
NØHUB	PUGET SOUND NAVAL SHIPYARD BREMERTON WASH
NØHUD	NAVAL SHORE ELECTRONICS ENGINEERING ACT (8TH NAV DIST) NEW ORLEANS LA
NØHVO	U S NAVAL SHORE ELECTRONICS ENGINEERING ACT SAN JUAN P R

NØHVP US NAVAL AIR STATION ATSUGI JAPAN
 NØICE ANTARCTICA SUPPORT ACT, MCMURDO STATION, ANTARCTIC
 SUPPORT FORCE, ANTARCTICA (GUARDED FOR BY NØASI)
 NØICV NAVAL SHORE ELECTRONICS ENGINEERING ACT, NTC
 GREAT LAKES ILL
 NØIKC USNRT FACILITY WINTER HAVEN FLA
 NØIPN AERO CLUB STATION MINNEAPOLIS MINN
 NØIPZ MOUNT SOLEDAD ARC SAN DIEGO CAL
 NØISK THE NATIONAL CAPITOL VHF SOCIETY, SILVER SPRING MD
 NØIVT FORCE TROOPS, FMF LANT, CAMP GARCIA, VIEQUES P R
 NØIVY NAVY CORPUS CHRISTI RADIO CLUB CORPUS CHRISTI TEX
 NØIWR VAD WHITE CITY ARC, V A DOMICILIARY
 WHITE CITY ORE
 NØIXF CHERRY POINT ARC, MCAS CHERRY POINT N C
 NØIXH BOSTON NAVAL SHIPYARD BOSTON MASS
 NØIZA SOUTH MILWAUKEE RADIO CLUB MILWAUKEE WIS
 NØIZG MCAS KANEOHE HAW (NØGAN HERE)
 NØJHH NAVRESTRACEN FISHERSVILLE VA
 NØJHW USNAVRES SURFDIV 8-32(S) PHILLIPS ARK
 NØJIK USCG BASE TERMINAL ISLAND SAN PEDRO CALIFORNIA
 NØJIL NAVSEEACT 11TH NAV DIST SAN DIEGO CAL
 NØJIN NAVSEEACT/4 SUPSHIP PHILADELPHIA NAVAL SHIPYARD
 PHILADELPHIA PA
 NØJIW KERN COUNTY RADIO CLUB INC BAKERSFIELD CAL
 NØJJK NAVRES SURFDIV 9-142(L) SPRINGFIELD MISSOURI
 NØJMG ELECTRIC CITY ARC INC., SOUTHWEST GREAT FALLS MONT
 NØJMZ H AND S CO SECOND SER BN SECOND MARDIV FMF
 CAMP LEJEUNE N C
 NØJPF NAVAL SHORE ELECTRONICS OFFICE NAS CORPUS CHRISTI TEX
 NØJPJ HUGHES ACFT IND ARC FULLERTON CAL
 NØJPM NAVSEEACT CONVERSION AND REPAIR (15TH NAV DIST)
 BALBOA C Z
 NØJRL NAS LEMOORE ARC NAS LEMOORE CAL
 NØJTZ UTAH TECH COLLEGE ARC SALT LAKE CITY UTAH
 NØJUX U S NAVAL CONS BN CENTER GULFPORT MISS
 NØJVN KODAK PARK RADIO COMMITTEE, EASTMAN KODAK CO
 ROCHESTER N Y
 NØJXA GENERAL ELECTRIC AM RAD SOCIETY ST PETERSBURGH FLA
 NØJZV SAN LEANDRO ARC SAN LEANDRO CAL
 NØKAQ PORTSMOUTH NAVAL SHIPYARD PORTSMOUTH N H
 NØKCC U S NAVRADSTA (R) NORTHWEST CHESAPEAKE, NORFOLK VA
 NØKCH LE TOURNEAU COLLEGE ARC LONGVIEW TEX
 NØKCM U S NAVRESTRACEN HARTFORD CONN
 NØKCS NAVRESTRAFAC APPLETON WISC
 NØLXR US NAS AM RAD STA AGANA GUAM M I
 NØLYK UNIV OF TEXAS RADIO SOCIETY AUSTIN TEX
 NØNCS U S NAVAL COMM SYSTEM HQ BAILEYS CROSSROADS VA
 NØOEF TRI-SVC ELECTRONICS CLUB HAKATA KYUSHU JAPAN
 NØOHX MERCURY ARC JACKASS FLATS NEV
 NØRSB MCAS EL TORO SANTA ANA CAL
 NØRSC U S N S ARC BOX 8 NAVY 127 C/O P M SEATTLE WASH
 NØRSE MARINE CORPS BASE CAMP PENDLETON CAL
 NØRSF GREAT LAKES ARC USNTC GREAT LAKES ILL
 NØRSG U S NAVAL SCHOOL COMMAND AM RAD STA TREASURE ISLAND CAL

NØRSH USN POSTGRAD SCHOOL MONTEREY CAL
 NØRSI USNR MASTER CONTROL RAD STA 8TH NAV DIST HQ
 NEW ORLEANS LA
 NØRSJ SIGNALEERS, TINLEY PARK ILL
 NØRSK NAS NORFOLK ARC, NORFOLK VA
 NØRSM USCG RAD STA HQ SUPPORT ACT NEW ORLEANS LA
 NØRSN US NAVCOMMSTA PHIL SAN MIGUEL P I
 NØRSQ ELECT SUPPLY OFFICE ARC, GREAT LAKES ILL
 NØRSR USNR SECURITY GP 46 USNRTC, ATLANTIC CITY N J
 NØRSS USNR ELECTRONICS FACILITY WASH D C
 NØRSV USNRTC BENTON HARBOR MICH
 NØRSY USCG BASE SAN JUAN P R
 NØRTA USNAS RADIO CLUB SEATTLE WASH
 NØRTB NAF NAPLES ARS NAVY NUMBER 566 FPO N Y N Y
 NØRTC PT LOMA ARC, USN ELECT LAB, SAN DIEGO CAL
 NØRTD USN&MCRTC RADIO CLUB COLUMBUS OHIO
 NØRTE USNR ELEC FAC RAD CLUB BLOOMINGTON IND
 NØRTG USNR RAD CLUB, US NAS, OLATHE KANS
 NØRTI SUB BASE MED RESEARCH LAB, USN SUB BASE
 NEW LONDON, GROTON CONN
 NØRTJ US NAVCOMMSTA HAM SHACK WASH D C
 NØRTK NAVMARCORRESTRACEN, ABILENE TEX
 NØRTL US NAV&MCRESTRACEN SURFDIV 9-62(M), TOPEKA KANS
 NØRTN BUREAU OF MINES ARC, U S BUREAU OF MINES
 PITTSBURGH PA
 NØRTO RADIO AMATEURS OF MARQUETTE, MILWAUKEE WISC
 NØRTP MARINE CORPS SCHOOLS QUANTICO VA
 NØRTQ U S NAVRADSTA (T) CUTLER, EAST MACHIAS MAINE
 NØRTR NAVY MEMPHIS ARC, MILLINGTON TENN
 NØRTS U S NAVAL ACAD ARC ANNAPOLIS MD
 NØRTT U S NAVAL AVIONICS FAC, INDIANAPOLIS IND
 NØRTV USNR&MCTC, FORT DES MOINES, DES MOINES IA
 NØRTW MAR COR SUPPLY CTR, BARSTOW CAL
 NØRTX US NAS, MIRAMAR, SAN DIEGO CAL
 NØRTY U S NAVAL CONS BN CENTER PORT HUENEME CAL
 NØRTZ U S NAVAL RADSTA (T) JIM CREEK, OSO WASH
 NØSNG SPACE NEEDLE ARC, SPACE NEEDLE GROUP, SEATTLE WASH
 NØSSC NAVAL SHIPS SYSTEM COMMAND, MAIN NAVY BLDG, WASH D C
 NØTEB WHIDBEY ISLAND ARC, NAS WHIDBEY ISLAND
 OAK HARBOR WASH
 NØTEC MIDWAY NAVAL STA ARC, MIDWAY ISLAND
 NØTEF MAR COR BASE 29 PALMS, 29 PALMS CAL
 NØTEG U S NAVCOMM TRA CEN PENSACOLA FLA
 NØTEH U S NAVAL AIR STA ARC, BRUNSWICK MAINE
 NØTEI SERVICE SCHOOL COMMAND, USNTC, SAN DIEGO CAL
 NØTEJ FORT ALLEN ARC, NAVRADSTA (T), PONCE P R
 NØTEK LOYOLA UNIVERSITY ARC, NEW ORLEANS LA
 NØTEL NAVRES NAVSECGRU DIV-3-11 USN&MCRTC, HARTFORD CONN
 NØTEM USN&MCRTC, CLEVELAND O
 NØTEO GLYNN ARC, US NAS, GLYNCO GA
 NØTEQ NAVY SUPPLY DEPOT ARC, PHILADELPHIA PA
 NØTET USCG ORG RESTRAN UNIT, USNRTC 12-8200, MONTEREY CAL
 NØTEU ASSIGNED DEPCOMUSMACTHAI
 NØTEV ASSIGNED DEPCOMUSMACTHAI

NØTEW - ASSIGNED DEPCOMUSMACTHAI
 NØTEX ASSIGNED DEPCOMUSMACTHAI
 NØUSM U S NAVAL CONST BN CENTER, DAVIS VILLE R I
 NØVGA USN&MCRTC ATLANTA GA
 NØVJN USN&MCRTC BILLINGS MONT
 NØVKB USN&MCRTC MILWAUKEE WISC
 NØVOM NORTHEAST ALLEGHENY COUNTRY RAD CLUB, CHESWICK PA
 NØVRA NNSY ARC, COMBAT SYSTEMS DIV, NORFOLK NAVAL SHIPYARD
 PORTSMOUTH VA
 NØVRH USNRTC, SIOUX CITY IOWA
 NØVTI CRANE AMATEUR RADIO SOCIETY, US NAD, CRANE IND
 NØVVM USN&MCRTC, PORT ARTHUR TEX
 NØWHA USNRTC, LIMA O
 NØWHV USNR ELECT FAC., MIDLAND COLLEGE, FREMONT NEB
 NØWJH NAVAL RES ELECT FACILITY, RICHMOND CAL
 NØWKH USNRTC, ERIE PA
 NØWMO USN&MCRTC, LAMBERT FIELD, ST LOUIS MO
 NØWTF USN&MCRTC PEORIA ILL
 NØWTG NAS NORTH ISLAND ARC, SAN DIEGO CAL
 NØWUF ARC OF AUGUSTA AUGUSTA GA
 NØWUM USNR ELECT FAC, NEW BRAUNFELS TEX
 NØWWK USNRTC, HUTCHINSON KANS
 NØWYW USSNRTC, BOSTON MASS
 NØXGP USNRTC SWAN ISLAND, PORTLAND ORE
 NØXHC US NAS AMATEUR RAD STA, PATUXENT RIVER MD
 NØXPU USNRTC, PONTIAC MICH
 NØXWU US NAVAL ORDNANCE LAB AMATEUR RAD SOCIETY
 SILVER SPRING MD
 NØXXN MCAS, BEAUFORT S C
 NØXZJ POINT MUGU ARS, POINT MUGU CAL
 NØYCV DELAWARE COUNTY AMATEUR RADIO ASSN, DELAWARE O
 NØYDF USNRTC, SEATTLE WASH
 NØYKQ RADIO ELECTRONICS AMATEUR LEAGUE,
 PHILADELPHIA GEN HOSP, PHILADELPHIA PA
 NØYNU NAV RES SURFACE DIV, MEDFORD ORE
 NØYQI USN&MCRTC, PASADENA CAL
 NØYVT LINCOLN MARS CLUB INC, LINCOLN NEB
 NØYXG TULANE NROTC UNIT RADIO CLUB, TULANE UNIV,
 NEW ORLEANS LA
 NØYXQ L E R C, ARC, BURBANK CAL
 NØYYK THE MARIETTA ARC, WHIPPLE O
 NØYZS U S NAVAL SUB BASE, NEW LONDON CONN
 NØZOF PACIFIC ARC, SAN LEANDRO CAL
 NØZTZ NRTC, FORT SMITH ARK
 NØZWY NAVAL RESERVE GROUP 4-25 USN&MCRTC, CANTON O
 NØZYU FALCON RADIO SOCIETY, MATH DEPT, WISC STATE UNIVERSITY
 RIVER FALLS WISC
 NØZZZ USNAS BARBERS POINT, OAHU HAW

-----EXPLANATION OF ABBREVIATIONS USED:

ARC-	AMATEUR RADIO CLUB	ARS-	AMATEUR RADIO STATION
RES-	RESERVE	RTC-	RESERVE TRAINING CENTER
DIV-	DIVISION	N/MC-	NAVY/MARINE CORPS

CROSS REFERENCE LISTING...PART TWO

NOTE: SEE END OF PAGE 2-6 FOR CHANGES TO PART ONE (ALSO PAGE 2-7)

NAVY STATIONS:

NAV HQ NAVY-MARINE CORPS MARS RADIO STATION, ARLINGTON VA
 NØASA CHIEF, NAVY-MARINE CORPS MARS (NAVAL COMMUNICATIONS
 COMMAND N32), BAILEYS CROSSROADS, VA
 NØASC SIXTH NAVY-MARINE CORPS MARS DISTRICT DIRECTOR, U. S.
 NAVAL BASE, CHARLESTON S C
 NØASD FOURTH NAVY-MARINE CORPS MARS DISTRICT DIRECTOR, U. S.
 NAVAL BASE, PHILADELPHIA PA
 NØASE ELEVENTH NAVY-MARINE CORPS MARS DISTRICT DIRECTOR,
 USNAS, MIRAMAR CAL
 NØASF EIGHTH NAVY-MARINE CORPS MARS DISTRICT DIRECTOR,
 NEW ORLEANS LA
 NØASG NINTH NAVY-MARINE CORPS MARS DISTRICT DIRECTOR
 ARMED FORCES RESERVE CENTER, WAUKEGAN ILL
 NØASH TWELFTH NAVY-MARINE CORPS MARS DISTRICT DIRECTOR
 TREASURE ISLAND CAL
 NØASI THIRD NAVY-MARINE CORPS MARS DISTRICT DIRECTOR
 BROOKLYN N Y
 NØASJ TENTH NAVY MARINE CORPS MARS DISTRICT DIRECTOR
 USNAVCOMMSTA, SAN JUAN, P R (GUARDED FOR BY NØASC)
 NØASK THIRTEENTH NAVY-MARINE CORPS MARS DISTRICT DIRECTOR
 HQ, 13TH NAVAL DISTRICT, SEATTLE WASH
 NØASL FOURTEENTH NAVY-MARINE CORPS MARS DISTRICT DIRECTOR
 /PAC, USNRTC, HONOLULU HAW
 NØASP FIFTEENTH NAVY-MARINE CORPS MARS DISTRICT DIRECTOR
 FORT AMADOR, C Z (GUARDED FOR BY NØASF)
 NØASV NAVY-MARINE CORPS MARS DIRECTOR, S. E. ASIA
 NØEFS DANANG NSA
 NØEFU AN THOI (APL-21)
 NØEFZ SAIGON (NØASV HERE)

SEABEES:

NØEFE CHU LAI (CAMP SHIELDS)
 NØEFF QUANG TRI (CAMP RHODES)
 NØEFG DONG HA (CAMP BARNES)
 NØEFH CHU LAI (CAMP CARROLL)
 NØEFI DANANG (CAMP ADENIR) NAVY REP IN TRI-SVC NET
 NØEFK DANANG (CAMP HOOVER)
 NØEFM PHU BAI/HUE (CAMP WILKENSON)
 NØEFO DANANG (CAMP HASKINS)
 NØJUX U S NAVAL CONS, BN. CENTER, GULFPORT MISS
 NØRTY U S NAVAL CONS, BN. CENTER, PORT HUENEME, CAL
 NØUSM U S NAVAL CONS, BN. CENTER, DAVISVILLE, R I

NAVAL AIR STATIONS:

NØHVP U S NAVAL AIR STATION, ATSUGI, JAPAN

NAVAL AIR STATIONS, CON T.:

NØJRL NAS LEMOORE ARC, NAS LEMOORE CAL
NØLXR U S NAS ARS, AGANA GUAM M I
NØRSK NAS NORFOLK ARC, NORFOLK VA
NØRTA US NAS RADIO CLUB, SEATTLE WASH
NØRTE NAF NAPLES ARS, NAVY NUMBER 566, FPO NY NY
NØRTX US NAS, MIRAMAR CAL
NØTEB WHIDBEY ISLAND ARC., NAS WHIDBEY ISLAND, OAK HARBOR, WASH
NØTEH U S NAVAL AIR STATION ARC, BRUNSWICK MAINE
NØTEO GLYNN ARC, SAN DIEGO CAL
NØXHC US NAS ARS, PATUXENT RIVER MD
NØZZZ US NAS BARBERS POINT, OAHU HAW

NAVY SHIPS:

NØEFP USS COLLETON
NØEFV USS REPOSE
NØEFW USS SANCTUARY

NAVAL COMMUNICATIONS STATIONS:

NØEFN CAMRANH BAY NAVCOMMSTA
NØEWW US NAVCOMMSTA, ROUGH AND READY ISLAND, STOCKTON, CAL
NØFVU US NAVCOMMSTA, WAHIAWA, OAHU HAW
NØKCC US NAVRADSTA (R) NORTHWEST CHESAPEAKE, NORFOLK, VA
NØNCS U S NAVAL COMM SYSTEM HQ, BAILEYS CROSSROADS, VA
NØRSN US NAV COMMSTA PHIL, SAN MIGUEL, P I
NØRTJ US NAVSOMMSTA HAM SHACK, WASHINGTON, D C
NØRTQ U S NAVRADSTA (T) CUTLER, EAST MACHIAS, MAINE
NØRTZ U S NAVAL RADSTA (T) JIM CREEK, OSO WASH
NØTEJ FORT ALLEN ARC, NAVRADSTA (T), PONCE, P R

NAVAL ELECTRONICS FACILITIES:

NØHSC NAVAL ELECTRONICS SYSTEMS COMMAND, BAILEYS CROSSROADS VA
NØHUD NAVAL SHORE ELECTRONICS ENGINEERING ACT (8TH NAVDIST),
NEW ORLEANS LA
NØHVO U S NAVAL SHORE ELECTRONICS ENGINEERING ACT, SAN JUAN, P R
NØICV NAVAL SHORE ELECTRONICS ENGINEERING ACT, NTC, GREAT
LAKES, ILL
NØJPF NAVAL SHORE ELECTRONICS OFFICE, NAS, CORPUS CHRISTI, TEX
NØRSQ ELECTRONICS SUPPLY OFFICE ARC, GREAT LAKES, ILL
NØRTC POINT LOMA ARC, USN ELECTRONICS LAB, SAN DIEGO, CAL

NAVAL EDUCATION INSTALLATIONS:

NØFZC TRAINING DIV, USN ORDNANCE PLANT, LOUISVILLE KENTUCKY
NØRSF GREAT LAKES ARC, USNTC, GREAT LAKES ILL
NØRSG US NAVAL SCHOOL COMMAND ARS, TREASURE ISLAND CAL
NØRSH US NAVAL POSTGRAD SHCOOL, MONTEREY CAL
NØRTS US NAVAL ACADEMY ARC, ANNAPOLIS MD
NØTEG US NAVAL COMMUNICATIONS TRAINING CENTER, PENSACOLA FLA
NØTEI SERVICE SCHOOL COMMAND, USNTC, SAN DIEGO CAL

NAVAL EDUCATION INSTALLATIONS, CON T.:

NØYXG TULANE NROTC UNIT RADIO CLUB, TULANE UNIVERSITY
NEW ORLEANS LA

NAVAL SUPPLY ACTIVITIES:

NØEFR NSAD, CHU LAI
NØEFX NSA, SAIGON
NØTEQ NAVY SUPPLY DEPOT ARC, PHILADELPHIA PA

NAVAL SHIPYARDS:

NØHUB PUGET SOUND NAVAL SHIPYARD, BREMERTON WASH
NØIXH BOSTON NAVAL SHIPYARD, BOSTON MASS
NØKAQ PORTSMOUTH NAVAL SHIPYARD, PORTSMOUTH, N H
NØVRA NNSY ARC, COMBAT SYSTEMS DIV, NORFOLK NAVAL SHIPYARD,
PORTSMOUTH VA

NAVAL BASES:

NØHSX NAVY MIKE AND KEY CLUB (ARS KA2NY), YOKOSUKA JAPAN
NØRSC US NAVAL STATION ARC, BOX 8, NAVY 127, C/O P. M.,
SEATTLE WASH
NØRTI SUBMARINE BASE MEDICAL RESEARCH LAB, USN SUB BASE,
NEW LONDON, GROTON CONN
NØTEC MIDWAY NAVAL STATION ARC, MIDWAY ISLAND
NØXZJ POINT MUGU ARS, POINT MUGU CAL
NØYZS U S NAVAL SUBMARINE BASE, NEW LONDON CONN

NAVY MISCELLANEOUS:

NØFOM USN SECURITY GROUP ACTIVITY, HOMESTEAD FLA
NØICE ANTARCTICA SUPPORT ACT, MCMURDO STATION, ANTARCTIC
SUPPORT FORCE, ANTARCTICA (GUARDED FOR BY NØASI)
NØIVY NAVY CORPUS CHRISTI RADIO CLUB, CORPUS CHRISTI TEX
NØJIL NAVSEEACT 11TH NAVAL DIST, SAN DIEGO CAL
NØJIN NAVSEEACT/4SUPSHIP, PHILADELPHIA NAVAL SHIPYARD,
PHILADELPHIA PA
NØJPM NAVSEEACT CONVERSION AND REPAIR (15TH NAVAL DIST),
BALBOA C Z
NØRTR NAVY MEMPHIS ARC, MILLINGTON TENN
NØRTT U S NAVAL AVIONICS FACILITY, INCIANAPOLIS IND
NØSSC NAVAL SHIPS SYSTEM COMMAND, MAIN NAVY BLDG, WASHINGTON, D C
NØVTI CRANE AMATEUR RADIO SOCIETY, USNAD, CRANE IND
NØXWU US NAVAL ORDNANCE LAB AMATEUR RADIO SOCIETY, SILVER
SPRING MD

NAVAL RESERVE ACTIVITIES:

NØEXA USNRTC, CLIFTON N J
NØHEI USNRTC, HAWTHORNE CAL
NØHFA USNRTC, HONOLULU HAW
NØHKM USNR SURFAC DIV 3110(S), NRTF, NAD EARLE,
COLTS NECK, N J

NAVAL RESERVE ACTIVITIES, CON T.:

NØIKC USNRT FACILITY, WINTER HAVENFLA
NØJHH NAVRESTRACEN, FISHERVILLE, VA
NØJHW USNAVRES SURFDIV 8-32(S), PHILLIPS ARK
NØJJK NAVRES SURFDIV 9-142(L), SPRINGFIELD MO
NØKCM US NAVRESTRACEN, HARTFORD CONN
NØKCS NAVRESTRAFAC, APPLETON WISC
NØRSI USNR MASTER SONTROL RADIO STATION, 8TH NAVAL DIST HQ
NEW ORLEANS LA
NØRSR USNR SECURITY GROUP 46, USNRTC, ATLANTIC CITY N J
NØRSS USNR ELECTRONICS FAC, WASHINGTON D C
NØRSV USNRTC, BENTON HARBOR, MICH
NØRTE USNR ELECTRONICS FAC RADIO CLUB, BLOOMINGTON IND
NØRTG USNR RADIO CLUB, US NAS, OLATHE KANSAS
NØVRH USNRTC, SIOUX CITY IOWA
NØWHA NRTC, LIMA OHIO
NØWHV USNR ELECTRONICS FAC, MIDLAND COLLEGE, FREEMONT NEB
NØWJH NAVAL RESERVE ELECTRONICS FAC, RICHMOND CAL
NØWKH USNRTC, ERIE PA
NØWUM USNR ELECTRONICS FAC, NEW BROUNFELS TEX
NØWWK USNRTC, HUTCHINSON KANS
NØWYW USSNRTC, BOSTON MASS
NØXGP USNRTC, SWAN ISLAND, PORTLAND ORE
NØXPU USNRTC, PONTIAC MICH
NØYDF USNRTC, SEATTLE WASH
NØYNU NAV RES SURFACE DIV, MEDFORD ORE
NØZTZ NRTC, FORT SMITH ARK

NAVAL-MARINE CORPS RESERVE ACTIVITIES:

NØRTD USN&MCRTC RADIO CLUB, COLUMBUS OHIO
NØRTK NAVMARCORESTRACEN, ABILENE TEX
NØRTL USNAV&MCRESTRACEN, SURFDIV 9-62(M), TOPEKA KANS
NØRTV USNR&MCTC, FORT DES MOINES, DES MOINES IOWA
NØTEL NAV RES NAVSECGRU DIV-3-11, USN&MCRTC, HARTFORD CONN
NØTEM USN&MCRTC, CLEVELAND OHIO
NØVGA USN&MCTC, ATLANTA GA
NØVJN USN&MCRTC, BILLINGS MONT
NØVKB USN&MCRTC, MILWAUKEE WISC
NØVVM USN&MCRTC, PORT ARTHUR, TEX
NØWMO USN&MCRTC, LAMBERT FIELD, ST LOUIS MO
NØWTF USN&MCRTC, PEORIA ILL
NØYQI USN&MCRTC, PASADENA CAL
NØZWY NAVAL RESERVE GROUP 4-25, USN&MCRTC, CANTON OHIO

USMC ACTIVITIES:

NØAMC MCSC, ALBANY GA
NØANP MCRD, SAN DIEGO, CAL (NØPPC HERE)
NØASB NAVY-MARINE CORPS MARS MARCOR LIAISON OFFICER,
BAILEYS CROSSROADS VA
NØASM (NAV 2), HQMC, ARLINGTON VA
NØEEM CAMP H. M. SMITH ARS, SERVICE CO, SPECIAL SERVICES,
H AND S BN, FMFPAC, AIEA, HAWAII

USMC ACTIVITIES, CON T.:

NØEFA DONG HA
NØEFD DANANG
NØEFC CHU LAI
NØEFD DANANG
NØEFJ PHU BAI
NØEFL DANANG
NØEFQ QUANG TRI
NØEFT AN HOA
NØEFY DA NANG
NØENV MCAS IWAKUNI, IWAKUNI JAPAN
NØETG CAMP FOSTER (SUKIRAN), OKI
NØETH CAMP HANSEN, OKI
NØETI CAMP HAGUE OKI
NØETJ CAMP SCHWAB, OKI
NØETK CAMP COURTNEY, OKI
NØETL CAMP MCTUREOUS, OKI
NØFAA MARCORBASE, CAMP LEJEUNE, N C
NØFIT MCAS, FUTEMA, OKI
NØFJM MARBKS, GUANTANAMO BAY, CUBA
NØFOC MCAS, YUMA ARIZ
NØIVT FORCE TROOPS, FMF ATLANTIC, VIEQUES, P R (CAMP GARCIA)
NØIXF CHERRY POINT ARC, MCAS, CHERRY POINT, N C
NØIZG MCAS KANEOHE, KANEOHE HAW (NØGAN HERE)
NØJMZ H AND S CO, 2ND SER BN, 2ND MARDIV FMF, CAMP LEJEUNE, N C
NØRSB MCAS EL TORO, SANTA ANA, CAL
NØRSE MARCORBASE, CAMP PENDLETON, CAL
NØRTP MARINE CORPS SCHOOLS, QUANTICO VA
NØRTW MARINE CORPS SUPPLY CENTER, BARSTOW CAL
NØTEF MARINE CORPS BASE, 29 PALMS, 29 PALMS CAL
NØXXN MARINE CORPS AIR STATION, BEAUFORT SC

COAST GUARD ACTIVITIES:

NØJIK USCG BASE, TERMINAL ISLAND, SAN PEDRO CAL
NØRSM USCG RADIO STATION, HQ SUPPORT ACT, NEW OELEANS LA
NØRSY USCG BASE, SAN JUAN P R
NØTET USCG ORGANIZED RESERVE TRAINING UNIT, USNRTC 12-8200,
MONTEREY CAL

MISCELLANEOUS MILITARY ACTIVITIES:

NØOEF TRI-SVC ELECTRONICS CLUB, HAKATA, KYUSHU JAPAN
NØTEU ASSIGNED DEPCOMUSMACTHAI
NØTEV ASSIGNED DEPCOMUSMACTHAI
NØTEW ASSIGNED DEPCOMUSMACTHAI
NØTEX ASSIGNED DEPCOMUSMACTHAI

HIGH SCHOOLS:

NØERA 807 SOCIETY OF CENTRAL HIGH SCHOOL, PHILADELPHIA, PA
NØEUQ MADISON MEMORIAL HIGH SCHOOL ARC, MADISON OHIO

COLLEGES AND UNIVERSITIES:

NØFCL TRI-STATE COLLEGE ARC, ANGOLA IND
NØFTT SHIPS, WEST VA. UNIV. MEDICAL CENTER, MORGANTOWN, W. VA.
NØHRE INDIANA MEMORIAL UNION ARC, INDIANA UNIV., BLOOMINGTON,
INDIANA
NØJTZ UTAH TECH COLLEGE ARC, SALT LAKE CITY, UTAH
NØKCH LE TOURNEAU COLLEGE ARC, LONGVIEW TEX
NØLYK UNIV. OF TEXAS RADIO SOCIETY, AUSTIN TEX
NØTEK LOYOLA UNIV. ARC, NEW ORLEANS, LA
NØZYZU FALCON RADIO SOCIETY, MATH DEPT., WISCONSIN STATE
UNIV., RIVER FALLS WISC

CIVILIAN CLUBS:

NØEPR WAUKEGAN V. H. F. SOCIETY AND ARC, WAUKEGAN ILL
NØFAV PENNSYLVANIA WIRELESS ASSOCIATION, BRISTON PA
NØHFS GREATER NEW ORLEANS ARC, INC., HARVEY LA
NØIPN AERO CLUB STATION, MINNEAPOLIS MINN
NØIPZ MOUNT SOLEDAD ARC, SAN DIEGO CAL
NØISK THE NATIONAL CAPITOL V. H. F. SOCIETY, SILVER SPRING, MD
NØIZA SOUTH MILWAUKEE RADIO CLUB, MILWAUKEE WISC
NØJIW KERN COUNTY RADIO CLUB, INC., BAKERSFIELD CAL
NØJMG ELECTRIC CITY ARC, INC., SOUTHWEST GREAT FALLS, MONT
NØJZV SAN LEANDRO ARC, SAN LEANDRO CAL
NØOHX MERCURY ARC, JACKASS FLATS NEV
NØRSJ SIGNALEERS, TINLEY PARK ILL
NØRTO RADIO AMATEURS OF MARQUETTE, MILWAUKEE WISC
NØSNG SPACE NEEDLE ARC, SPACE NEEDLE GROUP, SEATTLE WASH
NØVOM NORTHEAST ALLEGHENY COUNTRY RADIO CLUB, CHESWICK PA
NØWUF AMATEUR RADIO CLUB OF AUGUSTA, AUGUSTA GA
NØYCV DELAWARE COUNTY AMATEUR RADIO ASS N., DELAWARE OHIO
NØYKQ RADIO ELECTRONICS AMATEUR LEAGUE, PHILADELPHIA
GENERAL HOSPITAL, PHILADELPHIA PA
NØYVT LINCOLN MARS CLUB, INC., LINCOLN NEBR
NØYXQ L. E. R. C. ARC, BURBANK, CAL
NØYYK THE MARIETTA ARC, WHIPPLE OHIO
NØZOF PACIFIC ARC, SAN LEANDRO CAL

INDUSTRY CLUBS:

NØHNC GENERAL DYNAMICS ARC, POMONA CAL
NØJPJ HUGHES AIRCRAFT IND. ARC, FULLERTON CAL
NØJVN KODAK PARK RADIO COMMITTEE, EASTMAN KODAK CO.,
ROCHESTER, N Y
NØJXA GENERAL ELECTRIC AMATEUR RADIO SOCIETY, SAINT
PETERSBURGH FLA

GOVERNMENT BUREAU CLUBS:

NØIWR VAD WHITE CITY ARC, V. A. DOMICILIARY, WHITE CITY, ORE
NØRTN BUREAU OF MINE ARC, U. S. BUREAU OF MINES, PITTSBURGH,
PENNSYLVANIA

CHANGES TO PART ONE WILL BE FOUND ON PAGE 2-7

CORRECT CROSS-REFERENCE LISTING, PART ONE AS FOLLOWS:

PAGE 1-1 NØEFF ADD: CAMP RHODES

1-2 NØEFH DELETE: /MILLER
NØEFN ADD: NAVCOMMSTA
NØEFP DELETE: "BENEWAH"
ADD: "COLLETON"
NØEFQ ADD: 3D MARDIV
NØEFS DELETE (MONKEY MT)
ADD: NSA
NØEFT ADD: 5TH MARINES
NØEFU ADD: APL-21
ADD: NØEFW USS SANCTUARY
NØEFZ ADD: COMNAVFORV (NØASV HERE)