

APRIL 1969

# ZERO DEATH

SINCE 10 NOVEMBER 1775

IN HONOR AND MEMORY OF THE MEN OF THE UNITED STATES MARINE CORPS WHO HAVE GIVEN THEIR LIVES TO THEIR COUNTRY SINCE 10 NOVEMBER 1775



HEADQUARTERS MARINE CORPS HENDERSON HALL ARLINGTON, VIRGINIA 22214



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

**EDITORIAL**

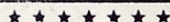
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COVER: Marine Memorial. Another Navy-Marine Corps team in action.  
 (Photo: Bob James)



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**features**

RVN.....6  
 N0PPC.....7  
 OKINAWA.....8  
 IF THE SHOE FITS.....10  
 W W M C T N.....11  
 STATE ABBREVIATIONS.....13  
 TELEPHONE SWITCHING.....14  
 AMATEUR/MARS LICENSING.....16  
 STANDARDS OF EVALUATION.....17



**departments**

NEWS & VIEWS.....1  
 IF I WERE CHIEF, NAVY-MARINE  
 CORPS MARS.....4  
 FOR SALE.....5  
 TRAFFIC COUNT - N0ALM.....18

# 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

NØEFA - RVN

As can be seen from our monthly request we broke 1000 calls again this month. Our thanks go to LES at NØENV and ROB and MIKE at NØRSB. Had high hopes of breaking 1500 but just couldn't pull it off. DAVE EATON will be leaving us for the land of the BIG P X next month and we sure hate to lose him. Good luck, DAVE. Our R A T T sked with NØEFB is getting better all of the time. Finding the right time of day for proper propagation is the big problem now.

VY 73's RED - CHOP @ NØEFA

NØEFJ - RVN

With Sgt. Dale Skogman departed for Conus, we remain with Cpl Dick Laub, myself and much work to be done. We are presently fitting the station for TTY, building a three element Quad, and remodeling the station. Our present complement of equipment includes; 2 S lines a 2K-2, 3Ø1,1, TT4 and would you believe a TGC-5 (soon to be exchanged for more appropriate equipment). Well back to work and study.

Bay Moi Ba (73's) Chuck

NØEFD - RVN

Everything is just great here on the green grassy hill overlooking beautiful \_\_\_\_\_. Heard RTY this evening about 11ØØZ so guess summer band opening is about on. Sure happy about that as it seems we just cant find enough band openings for the amount of patches we have. Have picked up a new man; former Novice who is working hard towards his general, Pfc Tom Webster And we are losing LCpl Tony Green. Tony has 27 months in country and no one can remember how long he has been here at DELTA. He's like a permanent fixture and hate to see him go.

73 CUL, JIM

NØIXF - Cherry Point, North Carolina

Cpl Jack Nelson just reported in Sgt Brownell will be departing Cherry Point to join the ranks of the unemployed on the 16th.

BUD

NØEEM - Camp H. M. Smith, Hawaii

Certainly nothing new here at Camp H. M. Smith. Traffic is going fairly well and the ole LP is still hanging in there even though we still have a short in it somewhere. Of course we still have our monthly training, and you'll never guess what one of our subjects is. Yep! Radio procedures, just what we need H I. Oh well, can't win them all. Till next month 73's from HQ FMFPAC.

RUSS

NEWS AND VIEWS (CONT)...

NØIZG - Hawaii

I noticed in the February issue of ZERO BEAT, a comment from one (JIM) at NØEFD. This was in the March issue dealing with the traffic total's of February. Anyway, the comment was regarding the Hawaiian schedules. As the Area Coordinator of the program here in Hawaii, I really don't need anybody that doesn't know what the problems are like, telling everyone that he, Jim, feel's, it is a mess. You are right though, Jim. I know that though, all the CONCERNED "MARS" members in Hawaii know but that is not going to get the problem resolved. We are doing the best with what support we have. I have been trying to resolve these problems for over a year now. It is not easy but you might be able to do it. Upon completion of your trip in RVN, ask for duty either hereat Kaneche or Camp Smith and you can pick up for me. I'm sure at that time you will have a different outlook on the MESS as you put it here in Hawaii.

DICK NØIZG  
NØGAN

NØFOC - Yuma, Arizona

I want to take this opportunity to say hello to the group of gents I have lost touch with these past six months, since I left RVN and arrived at the 'SANDBOX' here in Arizona. Things are shaping up here at the new workhouse (our small station) and we hope to have the opportunity to talk with everyone again in the near future once we get all our antennas back in the air and get a few more frequencies to work. Dave and I hope to really get back into the MARS business again as soon as possible.

73, JOE @ NØFOC/WA7AAJ

NØEFC - RVN

During the month of March this station was fortunate enough to get a new operator. Lcpl Larry E. Klingensmith. Also during March we completed our new waiting room. With the help of the new operator and the return of Cpl D T Price from special leave we hope to serve the area much better in the coming months...

73's Jerry sends

NØAMC - Albany, Georgia

Not too much happening down here in south Georgia. Traffic was down for March but guess it is so throughout the system. The early part of March we finished our phone patch schedule that we had set up with N.A.S, Barbers Point, Hawaii to run patches for some of the squadron that had dependents in the Albany area. The entire operation was pretty successful. How about some info (history) on Zero Beat? I'm missing some back issues and would like to get the collection as complete as possible.

73, JIM

NØEFB - RVN

Well, here is the monthly report that NØASM always screams for: Arrived RVN 24 March and after a quick hello and good bye to Dave, I found myself head over shoulders in traffic schedules and a million other things. Will get on the ball soon and be more active in correspondence. Bands very poor at this time but we are getting some phone patches and written traffic to and from the states.

Belated Easter Greeting  
WES

NEWS AND VIEWS (CONT)...

NØFAA - Camp Lejeune, North Carolina

Don Defoe left for the cruel world with I am sure many regrets. We have been very busy remodeling the old place and now have what we consider a very comfortable station. we enjoyed a visit from "WOODY", CHOP at NØIVT Vieques Island. Hope to have our new log periodic up soon Also.

73's RAY

NAV2 - Arlington, Virginia

NAV2 welcomes Sgt T L Pierce this month from Camp Lejeune, N.C. Sgt Pierce (Tom) is a conditional class license amateur radio operator. His call is WALJKM/NØOPA. Tom is rapidly mastering the teletype operation and procedures. We were closed down from 16-23 April for rewiring of the station. Our thanks to NØACG and NØFAA for standing in. As can be seen from this months cover we have been doing some sightseeing. We had a beautiful Cherry Blossom Festival this year. (Lot's of blossoms but no cherries!!!) That's all for now,

73's NAV2/NØASM

NØXXN - Beaufort, South Carolina

This month I can gladly welcome aboard an additional operator, Cpl Larry Grant. He's a licensed operator, with a great deal of enthusiasm and interest for the MARS System. In about three days we'll have our new TH6DXX beam in the air along with the VHF 6 & 2 MTR beam. Our teletype will be operational if someone has a GOOD spare reperf lying around the shack. Phone patch traffic with Gitmo is still holding up.

73 CHOP, DON @ NØXXN

NØIVT - Vieques Island

100% new radio equipment now. The antenna is up and working real well. Woodard, the operator will be herefor the next six months with the help of Mr. Van Brocklin, Thank you.

NØFJM - Guantanamo Bay, Cuba

Have a short in the 4K-2 at this time but hope to have it operable in the near future. The teletype equipment had been repaired by NAVCOMSTA and is in 1st class condition. Had to borrow converters and power supply but will have it on the air soon. Have been working until midnight on 16.3 attempting to open up that frequency for phone patching to the midwest and the west coast. Was promoted to Staff Sergeant as of 1 March. Sure feel better now that I have that rocker. Have been getting quite a lot of help from L/cpl Dave Madden. Hope to help him get his license soon. An amateur radio club has been formed here and has started classes for the novice and general exams. Am expecting a visit from Director 6 th NAVMARCORMARS district in the near future. Would like to inform all my stations that this station does work on all holidays except those that fall on Wednesday afternoons and Thursday. Would like to have at least one day's notice if your station will not be working on a certain day. This of course does not include equipment failure.

Bill Myrick @ NØFJM/KG4AM



# 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 try just a little harder to "MAKE" the Navy affiliated MARS stations do some work in the system. Have you really taken a long look at the Navy-Marine Corps MARS system and tried to reason why the Navy department or just the Navy, play such an important role in the system. I have watched many an article being read by Naval personnel on MARS and the publicity being accepted by the Navy because the individual reading doesn't realize that even though the station or stations concerned have a Navy-Marine Corps MARS call, the Navy per-say, had nothing to do with the situation. Within the military framework of the MARS program, just how many Navy MARS stations are there really active in the program? What prompted me to say something about this is the total lack of appreciation, support, respect, or what ever you might want to call it in the Navy. If I were the Chief of this program, you could bet that the Local Command level would "PROPERLY" support the program. They, the Navy, love to read beautiful thing's about the program and it seems to me, that in every instance the Navy station, is operated by Marine Corps personnel but never have I seen any kind of recognition given where it is truly deserved. I know there are some of you who will be very critical of me for writing like this. If it does effect change for the better, I feel I have done something that needed doing in the system for a couple of years now. Come on now, it might be a small point to somebody but if it means, GIVE THE STATION AND/OR STATIONS PROPER SUPPORT, that is the point I'm trying to make. Granted, you don't hear much about the Marines doing the work but look around you and find out. I can't say that there is no support coming from the Navy but I can say "WITH AUTHORITY" that the PROPER SUPPORT is not coming from the Navy.

## IF I WERE CHIEF...

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...Since the Marine Corps is the backbone and the real work horse of this system, I would like to see the Corps look for qualified personnel as soon as possible. By this, I mean, don't wait till the individual is assigned to a given unit and try to fight with the Command to get the guy (TAD) or transferred. Granted, we have this problem but try to cycle it this way for the future. When a new male comes to BOOT CAMP, on the application, have a block or a question or two relating to whether he presently holds an amateur ticket or not. That way, right after boot camp, this MARINE can be assigned into the system and "WE" the system will have this man for at least (3) years or so. In a very short time, I'm sure the Corps will be able to build up the 8981's and keep the program growing. They won't be lost to Sea School, Air Wing, Recon and so on.

73's  
Dick NØJWW  
NØGAN  
NØIZG

---

...I would do away with the originated date found on messages coming out of RVN. It is quite evident by the date-time group when the message was originated. What is the real reason for this anyway?????

SSgt Jim Kay @ NØAMC

---



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

# RVN

**NØGVN**



MSGT BILL COUNTRYMAN JR

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Gysgt Del Delperdang arrived and is now at NØEFQ Quang Tri getting things set up for the big push to CONUS. They are operational on "In Country Net" now. Don West is at present here at NØEFY giving us a hand as we were net control for the month of March. He will shortly be moving on to NØEFT at An Hoa to replace Gysgt Ben Brooks who has orders to MCRD San Diego during May. Wes Wilson is at NØEFB and getting with the program. Gysgt McCullum is on special leave (3Ødas) after extending for 6 months.

At the present time we have 25 stations operating on 11 frequencies to Conus and with the changes in propagation it's difficult to keep the phone patch totals high, but they manage somehow. "They" promise to arrange a clear path to Conus with only one RVN station per frequency. The only fly in the ointment is identifying "They".

Hope to get out of the DaNang area this month with Bob Rivera and visit most of the stations including SeaBee and Navy stations that comprise the bulk of Navy Marine Corps MARS in RVN. We have 9 Marine stations at present, plus a Marine operator, Mike Linger on the USS Repose. Bet we could get some volunteers to replace Mike.

Gunny Bob Rivera has completed his celebrations and is now settling down to enjoy the new title. Chuck Padgett is still waiting anxiously to put on his rocker.

I'm a little slow on writing this month, promise to be a little more prompt next time.

73's

Bill WA4PPX cx K7JKN/AD4PPX  
(still a bon a fide member Army Mars!)



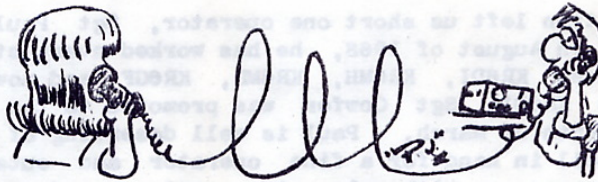


# NØPPC



## RVN-CONUS PHONE PATCH COORDINATOR.

MSGT BOB ROTELLA



Time for the normal quarterly RVN/CONUS P/P ASSIGNMENT SHEET, due this quarter (Apr '69), and it takes a few days to T R Y and ensure no station or person left off/out for the xmission or mailing, therefore this will be a short one.

I would like to bring to everyone's attention the fact that there has been some unpleasant, unfortunate, and undesired conversation/comment/notations made in reference to frequencies, their usage, the tolerances, authorities granted each of the stations for the RVN/CONUS P/P activity/Network. The largest amount of unpleasant results, in the most part, from INDIVIDUAL STATION OPERATION/DESIRES INTENT! Nothing wrong with being an individual, operating as you feel best, HOWEVER, for all of us in the Network, it is imperative we all remember, when we joined the Navy-Marine Corps MARS Program, and submitted application, on the rear of the application, second paragraph (under Loyalty Oath), the application indicates "I certify that I will abide by all the governing rules and regulations now or hereinafter prescribed by the Department of Defense for the Military Affiliate Radio System"!!!

The portion referring to "abiding" means just that, you accept the rules, regulations, directives, and by your own request, assignments to perform all manner of operation within the bounds you requested, and by such request, indicate your INTENT to hopefully provide a service, offer your time and equipment, to be applied to a portion of the NAVMARS program as PROPER AUTHORITY DEEMS NECESSARY for the betterment of the program you're engaged in! The whole bit is summed up like this! OPERATE AS ASSIGNED, WITHIN THE AUTHORITY GRANTED YOU, AS EACH OF THE WHOLE NETWORK ATTEMPTS TO DO! Do N O T become so individual in operation, you may cause undue stress, strain, and disharmony among all others engaged in like operation.

Next month: RVN/CONUS qtrly P/P Assign(4th qtr FY 69)

73.....Bob Rotella  
NØPPC @ NØANP

# ★ OKINAWA ★

## AMATEUR RADIO - MARS COORDINATOR

GYSGT BUD DANSON

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### ON THE ROCK (OKINAWA)

This months rotation left us short one operator, Sgt Paul Cowfer K3PRV. Since Paul joined us, in August of 1968, he has worked every station we have in operation. This includes KR6DI, KR6MH, KR6MB, KR6GF and now he has returned from where he started KR6DI. Sgt Cowfer was promoted to the rank of sergeant meritoriously on the 25th of March. Paul is well deserving of this honor and a congratulations is well in hand for a fine operator and outstanding worker. After Paul goes it leaves us with only six operators and two more go in the month of April. If we do not receive a few more qualified operators in a hurry, our stations will have to start closing down one by one.

On the 20th of this month, we had a party for all the Marine Corps Amateur/MARS radio stations on Okinawa. We held it up toward the north end of the island on Kanna. We had plenty of beer and plenty to eat. We talked about the problems and conflicts but also the progress of the system. It seems that every one enjoyed themselves and had a good time.

A letter of meritorious promotion was submitted on Lcpl John F. Courtney, who is our administrative clerk here in the Camp Butler Amateur/MARS Radio System. Lcpl Courtney is due to rotate back to CONUS on April 16. A replacement for Lcpl Courtney has already arrived, Lcpl Dominic E DeFazio, and all we can say for now is good luck to Courtney and welcome Aboard to DeFazio.

On the 6th of March, a meeting was held consisting of the MARS radio coordinator of Camp Butler, Gysgt Danson, the Area MARS Coordinator of MCAF Futema, Gysgt Smith and the NCOIC of the Camp Foster station KR6GF/NØETG, Sgt Laszko. The meeting started at approximately 1700 and the company tours and approved housing were immediately discussed. The plan to reopen the Camp Hauge station KR6MD NØETI was praised by all three men and the fact that it would be the Teletype Central for Okinawa was explained by Gysgt Danson. The main discussion of the meeting was to have the coordinator of Camp Butler assigned as the Area MARS coordinator for Okinawa. On the 7th of March, Gysgt Smith resigned as the area coordinator and Gysgt Danson requested to be assigned as the area MARS coordinator for Okinawa. On March 24th, we received a message from the MARS director that Gysgt Danson was assigned as the MARS coordinator for Okinawa.

We received word from Maintenance that they will start to work on the building in which the Camp Hauge station KR6MD/NØETI is located, within a week. They plan on working on this building for at least a month. If this is so we will be using the Camp Hauge station as our Teletype Central and as NØGOK which is the area MARS coordinator station on Okinawa, within three months.

MORE OKI...

We have submitted a request to modify the Camp Butler Order 2070.1, which deals with the proper operation and operation procedure of all the Amateur Radio Stations which come under the Camp Butler system. Our first change was to correct the title of the radio stations and have them listed as MARS/Amateur Radio Stations instead of just Amateur Radio Stations. Also we added an extra paragraph under the subject of Personnel that now it not only reads two qualified operators with F C C licenses but also a military radio operator with the MOS of 2533 to operate the MARS frequencies. The present Camp Butler Order 2070.1 states that only in an emergency will the Base Communications assist in the disassembly of the radio station antenna systems. Now, if our request is approved it will read the same but with an addition that the Base Communications will help with the assembly and the disassembly of the antenna system when we submit a work request and this request is approved. We have firmly stated that phone patches will not be run over the Okinawan civilian phone lines. This is to comply with the requests and wishes of the Okinawan Government.

Major Reynolds, the Special Services Officer, who went home on emergency leave, arrived back on Okinawa this month to take over his old job once again. I would like to take this time out to congratulate Captain Jordan, who took over Major Reynolds job when he was home, on a job WELL DONE. It has been a pleasure to work with the Captain this last month and I wish him all the luck in his next job.

GySgt Delperdang, who was the NCOIC of the Camp Hansen station KR6MH/N~~ETH~~, received orders to go to Viet Nam. This left LCpl Gwaltney in charge of the Camp Hansen station with only PFC Driscoll to help him operate.

The Camp Butler System will be soon known as Marine Corps Base Camp Butler. I have been informed that there is already a two or three star general assigned to this base. A new T / O is being assigned to Camp Butler to carry the Area MARS Coordinator for a company tour. I agree whole heartedly with this new T / O for the coordinator, for I believe that a man can do a much better job if he is here to follow thru on projects and watch the system develop as the days tick off.

PFC Bill Driscoll was promoted to the rank of Lance Corporal on the 25th of March. Congratulations to Bill and I am sure he will uphold the responsibilities and obligations of the rank.

This is getting a little longer than I planned so I'll say my 73's for now and I'll see you up the band.

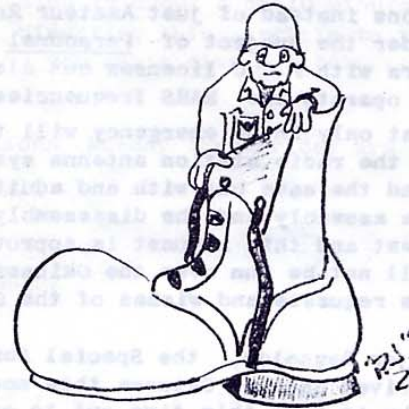
73a "Bud"  
K4EIK/N~~ETH~~KBE

# IF THE SHOE FITS

BY JIM BOGUE

TO WHOM IT MAY CONCERN:

For quite a while I have been aware of what seems to me to be a problem on Navy MARS circuits. This is a lack of training given to operators BEFORE they are put on the watch bill. I realize that MARS is a combined military/amateur operation but I feel it should be operated on a purely professional level. Traffic nets should be operated on a strictly business basis, check in at the proper time, pass your traffic and or pick up your traffic and clear the frequency. If traffic must be passed by voice, operators should have training in both transmitting and receiving traffic. I realize that you are probably saying that the only way to get experience is to operate. What's wrong with putting a new operator to work copying traffic being sent between other stations until he can copy at a reasonable speed? Or practicing sending traffic to another operator in the station. Not on the air. Anyone who has ever worked in a station with a multitude of schedules that handle a volume of traffic knows how frustrating it is to waste time with one station trying to handle traffic that could be handled in half the time with an experienced operator. Sure everyone has to start some time but we should do everything in our power to insure that they get started on the right foot. This is everyone's job in the system but especially the CHOP of each and every station. I ask the CHOPs to take a good hard look at your operators, are they standing their watch in an efficient, professional, competent manner or are they barely keeping up and just slowing everything up in the process? What was the old Z signal for put a competent operator on watch? Maybe we need something like that on our circuits. As a young 2533 I worked hard to insure that I would never receive that signal on my



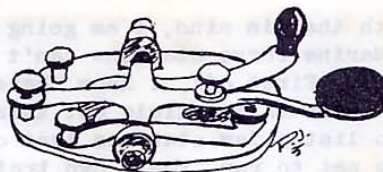
watch but I feel that too many people are getting complacent or something. Navy MARS is without a doubt the best system of the three MARS programs, in volume of traffic speed and reliability but it doesn't have to stay that way. It will change very rapidly when we start riding on our reputation instead of working and trying to improve it. Nothing is ever so good that it can't be improved.

Listen close to the nets and see how much rag chewing, playing games, poor operating practice etc etc is actually going on. Then if you agree with me that it should not be that way, lets change it. If you don't agree with me then one of us needs to leave the system. Tnx ex 73

SSgt JIM BOGUE  
WB6VTS/NØIKA CHOP © NØEFD

# WORLD WIDE MARINE CORPS

## TRAFFIC NET.



A net is the gathering of a number of interested radio stations on a set frequency at a particular time to pass traffic.

Our net has been inoperative for some time, and I am hoping that it soon will be as it was in the past, considered to be one of the better traffic nets.

I think that one word can explain the lack of participation on OUR NET and with the help of some of the over seas stations, Gitmo, Vieques Is., and maybe a maritime mobile or two might start the ball rolling with the needed stimulent. The word? TRAFFIC. We don't have much on our net and without it we can't hope to induce the Hams, that make up the net, to join in and help out.

It follows to reason the more traffic our net has to pass the more stations will join to handle it and thus making more stations adding to the check-in count making it easier to get the traffic passed making the net more popular with the traffic stations making the net, OUR NET, more successful.

two...

The W.W.M.C.T.N. has traffic for San Diego, Calif. from KP4AZJ and Las Vegas, Nevada from W4NVL. If you need a hard to get place let us know and we will try to get you into it.

A note to all net controls: We are trying to keep track of the check-ins on our net, please keep track of and pass them on to KP4AZJ so we might see how the net is progressing in the monthly pub, BEAT.

I have only two days of information on the check-ins but we are growing. March 8th we had fifty-nine check-ins and later on the 28th it went to seventy-two check-ins. Traffic is still slight but we are hoping for more with the passing of each day.

With the assignments of net control the net is moving more smoothly with most of the stations making it on time. I remind them that if possible to let someone know if they are not able to make the net on any day they are net control. Some one is KP4AZJ or another station willing to take the net that day.

I close with all help is good help and any interest in OUR net will be well thought of...

NØIVT

"WORLD-WIDE MARINE CORPS TRAFFIC NET"

Gentlemen, my teenage daughters have a saying, quote, "Tell it like it is", unquote.

Okay, with that in mind, I am going to take my turn again trying to find out just why the Marine Corps stations can't pick up net control and work the circuit like we used to. First off, I know there are a few guys who are going to be bent out of shape about this article but there is a saying for that type of attitude also. I want to list a few stations that of late, find the time to check into the Marine Corps net to run their own traffic, even if it takes an hour waiting to do so. Or they just check in to be heard but when called in about 5 or 10 minutes, they are gone without advising net control. I am directing this article to the NCOIC's of these stations and would like to know why you can't give a little time to "our net" and back up the system.

As of 3<sup>rd</sup> March 69, the effective net control stations Monday thru Friday are as follows:

	"P"	"S"
Monday-----	WB4AJY	
Tuesday-----	WA8UBL	
Wednesday----	KH6BGS	KH6GPZ
Thursday-----	W6KVQ	
Friday-----	W4LEV	

You will note, there is only one day that we have a back-up station assigned as net control. From a Marine's stand point, Monday through Friday should be set up with Marine Corps stations as net control and the civilian membership assigned as back up stations. Naturally, having the civilian as back up will tend to have the Marine Corps station wait and see if the civilian station will take the net and the individual will bug out to God knows where. Don't get me wrong, there are those of us who would not B U T since we are all human, there are those of us who would. I guess most of you won't answer this question but I would like for the editor to re-print this question next month with the respective answers, so "We" can see just where each and every one of us stand and why.

1-Why do you find the time to come up and run your own personal traffic but your station seem's to be unable to assist the circuit as net control.

W4BHU  
W4NVL  
W6FCS  
K4MCL  
K6MCA  
KG4AM  
KH6AJF  
EP4AZJ

2-Why can't you help out at least once a week as net control to assist the net.

K4BUJ  
W4NTR  
W6ZJB  
W6YDK  
W6IAB

WWMCTN...

I'm not fool enough that I don't realize that some of you are very busy in the traffic system but I also know that there is a phone system called "Autovon" that is available to most, if not all the stations on the mainland, If you know that you are going to miss net control on a given day, why, why, why can't you take the time to contact each other and have somebody, somewhere, cover for you. I have tried to call to the mainland to find out why a net control station is not on frequency and the back log of calls at the priority level is from 3 to 4 hours. The system is not that hard to use from the west coast to the east or what ever the case might be. We here at Kaseohe care enough for something that was started by people like us years ago and I want to see it work like it did years ago. In answering me, if you do, constructive criticism should be, and is welcome at any time. If you wish to knock me about this, fine, please forward any personal remarks direct to the station here at NØIZG and you can be sure that I will reply. All I'm trying to do is make use of a good thing. Not just personal use of a few individuals but the system is here for all to use, Gang, let's program it right and most of all, let's back it up.

73's  
*Dick*  
WB6ZEV/NØJWW

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## STATE ABBREVIATIONS

The following are the two-letter state abbreviations authorized for use by the U S Post Office Department:

Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
District of Columbia	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Guam	GU	Oregon	OR
Hawaii	HI	Pennsylvania	PA
Idaho	ID	Puerto Rico	PR
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Virgin Islands	VI
Michigan	MI	Washington	WA
Minnesota	MN	West Virginia	WV
Mississippi	MS	Wisconsin	WI
Missouri	MO	Wyoming	WY

# TELEPHONE SWITCHING

BY BILL MYRICK

The circuit shown in this article was devised by Stan Simms who is now at NORTP/W4PFC. I am sure that it will be of use to any station that has more than one phone. It allows any number of phone lines to be handled from one operating position and lines can be installed at all operating positions.

An explanation of the action of the switches used will prove useful in understanding the schematic. The switches are standard telephone switches and have four sets of single pole double throw switches. They are mechanically connected so that two sets will operate at the same time, giving in essence two double pole double throw switches. In the schematic I have made S1A and S2A correspond with the upper set of contacts and S1B and S2B correspond with the lower set of contacts. These switches have three positions for operation; Down (OFF on S1 and dial on S2), Middle (Dial on S1 and hold on S2), Up (auto on S1 and phone patch on S2).

The phone line is connected to pins 3 and 4 of both A sections. L1 and L2 are connected to pins 5 and 6 of S1A. The dial is wired to the following points; gray to F, green to RR, 1 white to R, 1 white to GN. The wires to the handset go to the following points; red and 1 white to R, black to B, 1 white to GN. All these connections are T1 which is a standard telephone transformer found in any phone. The color code will not necessarily be the same and some experimenting will be necessary.

The S1B section is not used now but plans are in effect to install an automatic answering service and they will be used for this.

S2 is wired in the following manner; pins 5 and 6 of the A section are wired to pins 3 and 4 of the B section. Pins 1 and 2 are shunted by a 1 Kohm resistor (R1) and the 4 Kohm leads of T3. Pins 5 and 6 of the B section are wired to L1 and L2 of T2 and to the phone patch line. The head set is wired as follows; 1 green and 1 black to R, 1 black to B, 1 green to GN. The headset I am using is a standard operators headset and is not color coded very well. Some experimentation will probably be necessary to determine the correct wiring of your headset. If you use a second telephone headset, then it may be wired the same as the one to T1.

Two switches are needed for each phone line and to install more lines you only need to parallel all the pins 5 and 6 of the S1A section to T1 and all the pins 5 and 6 of the S2B section to T2. The pins 1 and 2 of the S2B sections may not be paralleled but must have separate resistors and transformers secured for each one. I used 2 2.5Kohm to 4 Kohm isolation transformers each having one primary and two secondary. I paralleled the primary and connected them to the headset output of an AM/FM radio for the convenience of the people I have on my hold circuits.

I use 4 phones and have little difficulty handling all 4. It takes a little practice but it is worth it not to have to break from my phone patching to answer the phone. This circuit will be most helpful to stations which have only one operator.

I hope that it will help you and that if you find a way to improve it you will notify me.



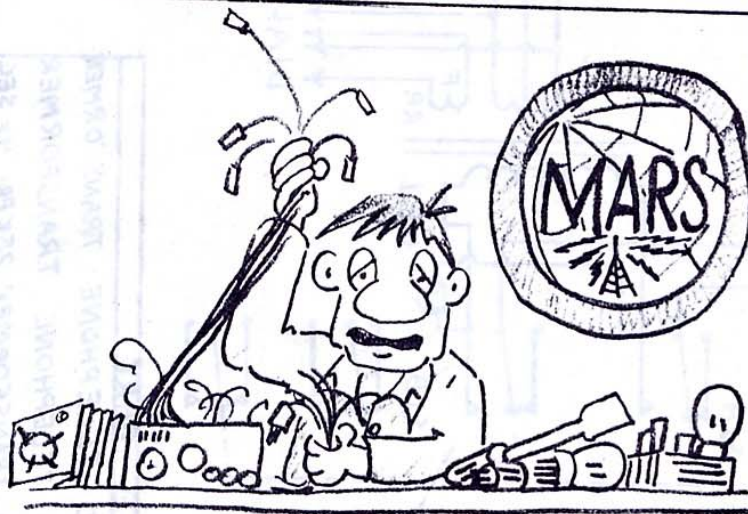


AMATEUR/MARS LICENSING  
(FROM NAVCOMINST 2070.1)

The Naval Communications Command is responsible for controlling the use of approved communications aboard U S Naval Activities. Amateur operations aboard U S Navy and Marine Corps Activities is included in this category. All stations authorized on U S Naval Activities are one of three types:

1. Individual - This is the amateur's own station set up for his own personal use. Application is made directly to the FCC on FCC form 610. Written permission from the Commanding Officer must be obtained.
2. Club - This is licensed to an individual as trustee of the club. The club's privileges do not exceed those of the trustee. Application is made as above (para 1), except that either the club's articles of incorporation or its organization papers and by laws must accompany the application.
3. Recreational under Military Auspices - This is set up for training and or morale purposes. The station is licensed to an individual as custodian in the name of the controlling unit. The custodian should have an amateur license, but it is permissible to license the station to any individual who can control the activities of the station, provided at least one licensed amateur is associated with the station. Application is made, by letter, on FCC form 6E0 from the military activity concerned directly to the Commander, Naval Communications Command, with information copies to the official chain of command. Naval Communications Command will normally forward to FCC if no objection is raised.

Renewal - Applications for renewal of station licenses may be filed up to one year in advance of expiration but should be filed within ninety days before expiration. Applications may also be filed up to one year after the expiration of the station license but the station may not be operated during this period of grace, or until the renewed license becomes effective. Any modification to the license may be requested along with the request for renewal. Application for renewal is made on FCC form 610. In addition, MARS stations must submit a form DD 630 to Chief NAVMARCORMARS for renewal of the MARS license.



"SIX WEEKS AGO, I COULDN'T SPELL  
TEKINISHUN, NOW I IS WUN!"

# STANDARDS FOR EVALUATION OF MARS OPERATORS

	Far exceeds Job requirements	Exceeds Job Requirements	Meets Job Requirements	Needs Some Improvement	Does Not Meet Job Requirements
PERFORMANCE					
QUALITY	Leaps Tall Buildings With A Single Bound	Must Take a Running Start To Leap Over Tall Buildings	Can Leap Over Short Buildings Only	Crashes into Buildings When Attempting to jump over Them	Cannot Recognize Buildings At All
TimeLINESS	Faster Than A Speeding Bullet	Is As Fast As A Speeding Bullet	Not As Fast As A Speeding Bullet	Would You Believe A Slow Bullet	Wounds Felt When Bullets First Fired
INITIATIVE	Is Stronger Than a Locomotive	Is Stronger Than a Bull Elephant	Is Stronger Than A Bull	Shoots The Bull	Smells Like a Bull
ABILITY	Walks On Water Consistently	Walks On Water In Emergencies	Washes With Water	Drinks Water	Passes Water In Emergencies
COMMUNICATIONS	Talks With The Angels	Talks With The Devil	Talks With Himself	Argues With Himself	Loses Those Arguments

TRAFFIC COUNTS -- N0ALM

March 1969

	ORIG	RCVD	RELY	DLVD	TOTAL	TOTAL PP
N0AMC	381	67	44	14	506	80
N0ANP	1589	428	362	66	2445	1039
NAV2	48	2468	2373	8	4897	111
N0FEM	0	4	----	4	8	1039
N0EFA	67	868	583	285	1803	1311
N0EFB	687	3358	2843	38	6926	438
N0EFC	158	622	472	134	1388	560
N0EFD	107	1843	1543	300	3493	1661
N0EFJ	58	42	62	0	162	703
N0EFL	90	93	183	----	326	579
N0EFY	31	88	116	0	----	409
N0EFT	1044	149	1065	0	----	622
N0ENV	NO REPORT RECEIVED					
N0ETG	NO REPORT RECEIVED					
N0ETH	1026	155	110	45	1336	79
N0ETJ	NO REPORT RECEIVED					
N0ETL	NO REPORT RECEIVED					
N0FAA	26	975	1001	28	2030	269
N0FJM	61	22	----	22	105	1028
N0FOC	0	2	3	3	8	206
N0IVT	----	----	----	----	----	----
N0IXF	5	362	366	3	736	0
N0IZG	4	3	0	3	10	452
N0RSB	1539	448	439	0	2426	2441
N0RSE	323	12187	11886	347	24743	523
N0RTP	28	767	647	149	1591	0
N0RTW	9	1407	1416	0	2832	1878
N0TEF	NO REPORT RECEIVED					
N0XXN	38	40	6	14	98	368
W4BHU	----	----	----	----	----	19
K4BUJ	----	----	----	----	----	10
W4LEV	0	16	0	16	16	94
K4MCL	7	369	0	1	377	11
W4NTR	----	----	----	----	----	----
KG4AM	----	1	----	1	2	304
KP4AZJ	8	3	0	11	22	664
KA5MC	NO REPORT RECEIVED					
W6FCS	1	1	0	1	3	373
W6IAB	25	32	58	15	130	213
W6MCA	NO REPORT RECEIVED					
W6YDK	6151	164	59	105	6479	91
W6ZJB	NO REPORT RECEIVED					
KH6AJF	----	----	----	----	----	----
KH6BGS	0	2	0	2	4	49
KR6DI	NO REPORT RECEIVED					
KR6GF	NO REPORT RECEIVED					
KR6MB	NO REPORT RECEIVED					
KR6MH	----	----	----	----	----	1809
WA7AAJ	0	2	2	0	4	19