

ZERO BEAT

published by W4NTR-NØASM



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Editorial Staff

- Special Services Officer
1st Lt. C L Arnold
- MARS Marine Corps Liaison Officer
W.O. Joseph Van Brocklin
- Editor-in-Chief/CHOP NAV 2
GySgt Wesley L. Wilson
- Managing/Technical Editor
SSgt Roger A. Smith
- Phone Patch Coordinator/NOPPC
MSgt Robert P. Rotella
- Message Traffic Editor
MSgt Oscar Shelton
- Marine Corps Net Editor
- Station of the Month Editor
Cpl Robert J. Mattson
- Area Coordinator RVN/NOGVN
MSgt Richard Steinbaugh
- Area Coordinator OKI/NOGOK
SSgt Donald West
- Cartoonist
Sgt Joseph A. Dugan Jr,

OUR BOSS . . .

1st Lt. C L Arnold

During the past year, the Navy-Marine Corps MARS Program has made outstanding progress. Stations in Vietnam have been organized, new equipment has been installed and that all important communications link between the Marine and home has been completed.

Each station on the Navy Marine Corps MARS net can look upoa last year with pride and self-satisfaction. Each member has contributed immeasurably to the morale of the Marine away from home.

The Navy Marine Corps MARS program is very small compared to the number of amateur stations through-out the world. Through their devoted efforts, the MARS program has greater depth and we have the capabilities to reach practically every city and town in the nation.

I would like to take this opportunity to extend my congratulations to the Navy Marine Corps MARS stations and all the amateur operators on a very successful 1967. This year, 1968, promises to be even bigger; I am sure that your devotion to duty will carry the program even further.

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All Marine Corps Stations should get two copies of ZERO BEAT. One copy is for your Special Services Officer.

Ye Ole Editor...

Wes Wilson

Due to long operating hours, the handling of traffic running phone patches, repairing and maintenance of equipment, it is common for individuals to lose realism. Some operators work on an average of sixteen to eighteen hours a day. This leaves little time for personal improvement and development.

We must not forget that we are Marines first and always; Our thoughts must never stray from the requirements of the Marine Corps and the small but important requirements divorced from MARS operations. I.E., morning clean-ups, field days, training, inspections medical requirements, administrative-problems, duties etc. This along with other duties are required and no amount of complaining will lessen the requirement.

We operators(MARS and Amateur alike, have-a very interesting and demanding job but we must always remember that we are Marines and must conduct ourselves accordingly. Keep physically fit, keep MCI courses active, maintain a presentable uniform and above all, don't forget our Marine Corps requirements.

See you next month 73's Wes

Len at N0TEF/K6MCA writes ".... We now have a sked with Japan at 0000-2000 on 14,480. We also received a certificate of appreciation from Lt.Gen R. E. Cushman in the First Tactical Zone fox exceptional meritorious conduct in the performance of outstanding services. Congradulations Len and all the operators at N0TEF/K6HCA.

Hello there Ye Ole Editor,

Number one issue of ZERO REAT arrived yester-day and I've been trying to think of something to add to your new line-up, that might be oi interest to the other subscribers.

I see you are hard pressed for in-dividual station items to date but things will improve as the monthly issues are run by. We were joking by saying that ZERO BEAT was the Marine Corps edition of PLAYBOY magazine. HI!

I would send along my station report, but I doubt if anyone in his right mind would be interested. There are some things I would be interested in knowing; such as, who are the CHOPS operating the various 602 stations at present. What type of equipment is being used and what problems have they run into on the circuits?

If you can promote questions in your editorial then you may come up with more informative articles, as in-formation or rebuttal. I do have some- thing to submit that may be very time-ly, but does not affect the military to any great extent.

Attached (will publish later,..ed) is a copy of the Internal Revenue Service Bulletin 67-43. This covers some good news as MARS members. You will note that Navy MARS is not mentioned but I have been assured that by intent it does include us. With tax time coming up thought it would be of some interest for your readers, Every little bit helps.

An important note: you must have paid bills in hand to substantiate any out-of-pocket expenses in order to take these deductions. At least, if you can not do it this year, there is always next year.

The station has been moved and ex- panded to include an addition to our model 19, a model 14 (100WPM), a model 28KSR (100WPM), and a kleinschmitt T D

(100-75-60 WPM) transmit only. All are tied into a home-brew patch panel and two positions can be operated simultaneously. We have FSK and AFSK circuits, one HT-37 XMTR, one SR-42 transcvr, the SP-600 and SX-111 receivers all tied in to the patch. Now all we need is a little more traffic to keep the cobwebs out of the system. Hi!!

Thank you for adding my name to the mailing list. Hope your job won't be too tough. I'll be looking forward to the next issue with anticipation. Take care of yourself and good luck with this new venture., I miss you.

88's, Yoe N0WRC/WA9CCP

"...I was wondering just why we can't have Okinawa coming up at roll call. Just a thought guy's. We are looking forward to moving into a not so new, real new building; if you can follow that ...I would like to pass the word around right now that an old friend of mine, THE OLE COTTEN PICKER, Robert P. Rotella has told me he is getting his own rig this week so you guy's might look for a lot of QRM on frequency in the near future...Lots of luck with it gang; we here at Kaneone will be at your service if we can help.

73s Dick WB6ZVF

.....

We learn from Bill Biggs (SSgt) soon to be CHOP of N0FAA/W4LEV that they have quite an antenna system there at Camp Lejeune. They have on test from Collins Radio, a 6.5 to 30 MHz log periodic. The antenna is a monster with a 65 foot boom mounted on a fifty foot tower. The entire tower pole rotates and the array has a reported 20 db gain over a dipole. N0FAA/W4LEV has been using it on their Navy MARS sked with N0FJM/KG4AM at Gitmo on 16.300 MHz with very good results. Bill says that it works like a charm on 6970 KHz..... Sounds beautiful Bill...Good luck in the future with this antenna.

We learn from SSgt Henry D. Rhodes that WA6CLH at Base Special Services Hobby Shop, Camp Pendleton, is active and running patches with KR6DI on 21425 Kc. They sport an S line(32S-1, 75S-1, 312B) and a Henry 2K-2 pumping a TA-33 or MT-40 (tribander with 40M conversion kit). Presently Henry is operating part time from 1800-2200 on Wed. Thur. and Friday, and from 1200-1800 on Sat. and Sunday. Rumor has it that an operator from a big gun station has been helping out....Good luck, Henry.....

.....

..

Jim at N0RTW/W6ZJB writes.....
"...Most exciting thing that happened this month was the SAROC convention held in Las Vegas. A good time was had by all, believe it or not we even managed to do some operating. I think we did a lot of good for Navy MARS and Marine Corps MARS. There were over a thousand Hams from every state in the Union represented, with our central location in the lobby of the Hotel Sahara we became the focal point of interest. Sorry to say band conditions were so bad that we were not able to run near as many phone patches as we would have liked. We did handle quite a bit of written traffic and at least got the word out a little more about what we are doing and why. I heartily recommend Las Vegas as a liberty town but don't play Black Jack at the same with Bob Rotella; he is a jinx.....

.....

..

The call W4HBC at Parris Island SC expired about a year ago. We learned that Doc W4AWP/4 has been operating the inactive station about once a week. He says the condition of the station is run down and the equipment needs work. The location is ideal, up high with lots of room. We also learned that an attempt is being made to reapply for the license.

Joe says . . .

Joe Van Brocklin
Greetings, to all Hams and
Martians" everywhere....

I am honored to have been asked by the managing editor to make a small monthly contribution to ZERO BEAT. It will be my endeavor to furnish you with useful information and items of interest on an unofficial, informal basis, that would not otherwise warrant official publication. Individual requests for information may be addressed to the managing editor of ZERO BEAT and will be promptly answered in this column.

Although I enjoy the privilege of knowing many of you personally, I shall take this opportunity to introduce myself to those of you who may have here-to-fore eluded this dubious pleasure.

The official nomenclature is as follows: Warrant Officer Joseph A. Van Brocklin 099477/2805, USMC. I am the Navy MARS Liaison Officer on the staff of the Commandant of the Marine Corps (Code DSB).

To spare yea the boring details of my military career, suffice it to say that I have enjoyed the usual conglomeration of duty assignments since January 1947, including sea, air, and infantry, independent type duty and Vietnam, which seemed to be a combination of all these. In fact, a dim recollection of once having, worn a uniform other than that of the "Marine Green" still lingers. Primary Military Occupational Specialties (MOS) previously held include the followings 2531, 2619, 2771, 2533, 2539, 2529 and 2861.

Since joining the ranks of amateur radio as WA2FQS in 1959, it has been my privilege to have served as CHOP of

both KR6GF and W4PFC. My experience in Navy MARS started with the inception of Navy MARS, involved the establishment of MARS in Vietnam, and since 21 November 1966, has dealt with the birth and nurture of the official MARS program within the Marine Corps. May I never see another set of orders!

Now to the matter of promulgating information. All, CONDS MARS billets have been established and included in the revised T/O for the appropriate command. All overseas MARS billets have been established and will be included in the fourth quarter (April 1968) manning authorizations.

The last word on MOS 8981, MARS Radio Operator, was that it has been included in change 24 to the MOS manual, effective 1 February 1968. Printing of change 24 is lagging somewhat and may not hit the field until late February. Slippage of the effective date could occur, in which case the effective date would be 1 March 1968. Action has been initiated to assign the MOS level with notification of assignment to the field for entry in the SRB. Change 24 will also authorize the assignment at the local command level and entry in the SRB. Assignment will be made to those qualified by virtue of possessing an FCC amateur radio license of Conditional Class or higher, regardless of primary MOS. Assignment of personnel possessing a secondary 8981 into the MARS program will also be made without regard to primary MOS insofar as it is practical to the critical needs of the Marine Corps. More on this as developments occur.

Not wanting to offend anyone with my greeting. I might explain that I really do not consider any of you to be "Hams" or "Martians" Ham can be cured and a green suit doesn't make a little green man!

See, you next, month 73's Joe

This page contained pictures of

1stLt C L Arnold
Joe Van Brocklin
Wes Wilson
Roger Smith
Bob Mattson
Bill Tweed

And two pictures of NOASM

The copy quality was so poor that the page appears as a big blur. This is one that got dried out after the big flood!!

If anyone has a good copy send it along and I'll redo the PDF.

DLB

Station Of The Month: NOASM/W4NTR.....

The station here at Headquarters Bn, HQMC has come a long way in the last year. With the help and support of Special Services, the command and individuals, the station now has a new and bigger location and beautiful new equipment.

In the summer of 1967, the station was moved from building one to its present location in building nineteen with Special Services. Building one was always a problem location because of the court room and other activities. Many times operations at the station had to cease because the court room was using tape recorders and W4NTR was on the tape. Also the operating room was very small and there was room for only one small position.

W4NTR/NOASM now is a two position station with two S lines. At the present time one position has a Henry Four K, while the other has a 30S-1. Both positions have their own 13 to 30 log periodic antenna up sixty feet. One 18 HT serves two positions for frequencies below 13 MHz. Between the two positions is an eight foot rack containing the following equipments one speaker, one URA 8A TTY converter-comparator group, two FRR 23 receivers,, one audio patch panel, one SP 600 receiver, two TK-100 and two SB 1203 TTY patch panels.

The teletype equipment includes: one UGC 6 (model 28 ASR) at 100 WPM including typing reperforator, one TT47 at 100 WPM (model 28 KSR) normalled in to NAV, one UGC 5 at 100 WPM (model 28 ASR), one AN/FGC-9 at 60 WPM (model 19) with model 14 typing reperforator, and two RT28 typing reperforator transmitter distributors at 100 WPM mounted in a common cabinet. One of the RT-28 reperforators is normalled into NAV with its motor controlled by the TT-47.

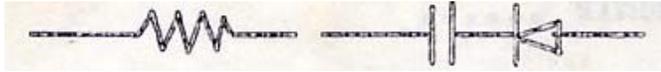
All of the teletype equipment is brought to the patching panels, SB 1203s, on the equipment rack. There are eight separate 60 MA station loops and one line to NAV on the SB 1203's.

The station has great versatility and was constructed with this in mind. All audio in the station including telephone lines are brought to one patch panel. This together with the TTY patch panel makes the following operations possible: voice or TTY retransmission, TTY space diversity reception, TTY frequency diversity reception, retransmission to a telephone line, simultaneous transmission on two frequencies and remote voice operation of either position.

NOASM became NAV 2 (operational sign only) a number of months ago and is now listed in ACP 100, which means NAV 2 is a recognized naval comm station and can check into military circuits if necessary.

Four operators man NAV 2/W4NTR at the present time. One operator, GySgt Bill Tweed has been working at the station since early Dec 67 and will be leaving the end of Feb. His help has certainly been appreciated in the short time he has been at the station. Bill has been an amateur since 1953 and now holds the call K6RTP. He has worked at W6ZJB, KR6CP, KR6MD and KR6GF. He was amateur coordinator for Okinawa in 61-3. Bill will be missed when he leaves the end of the month.

The CHOP of the station is GySgt Wes Wilson, He has been at the station since Sept 67. Wes has been an active amateur since 51 and a Navy MASS member since 63. He now holds WA6UGG/NOAGA, Wes has worked at KH6BGS, W6IAB and.....
(continued page 11)



TEK-TALK...

....Roger Smith

Hi, I'm Smitty.. You may have heard my ravings from NOEFB or W4PFC before I came here to W4NTR. I'm 26 years old and have been in the Corps seven years. My primary MOS is 2861, ground radio technician. I hold both Amateur and Second Class licenses and have done some teaching at Montfort Point Comm Schools. So much for who I am....

As managing editor we have the job of seeing that this newsletter is put together and in the mail by the 15th of the month. Our deadline is the 5th of the month for articles and the 10th of the month for traffic reports.

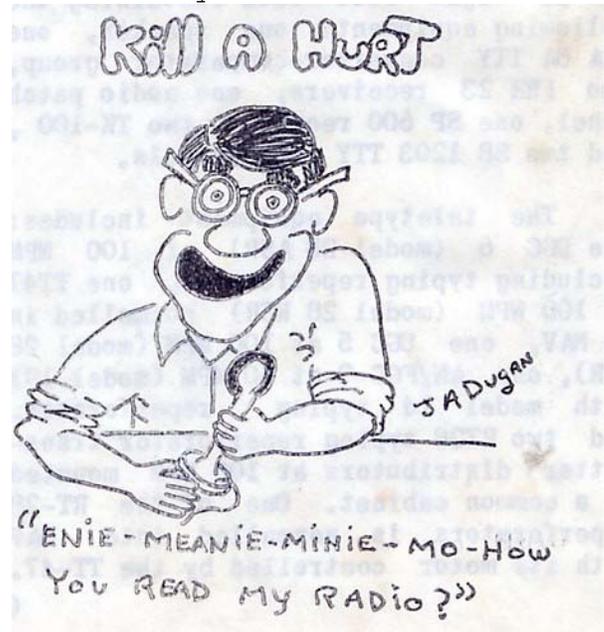
We will be bugging the staff to keep the writing coming and hounding others about doing some writing for us. You may think that we are "form" crazy here with the requests for information but we are in the process of bringing all our files up to date and starting a file on each of the 28 stations, this way, we can find at a glance, past and present data on a particular station. We will be publishing this info from time to time so NOALM will be informed of changes at other stations. If you have a request for info, drop us a line and we will try to answer. This months supplement is effective NAVMARS and available information on NOALM.

This newsletter is not a one man or one station operation, but needs the support of all to be effective. Our editorial staff is large and in the future may be larger. We have recruited writers from east coast, west coast,

Okinawa and RVN. We welcome comments both good and bad as well as article of general interest. We have a LETTERS TO THE EDITOR column, however to appear in print the letter must be signed, but we will withhold names from publication upon request.

In the months to follow we will be bringing to you in this column technical articles written by contributing writer; or myself. We will have articles on; basic theory, single sidebands teletype, receivers; transmitters, TTY for the S line, AFSK versa FSK, surplus conversion, and general hints etc. We will also answer technical questions. We have at our disposal various technical sources. We know and can contact engineers at: Collins Radio, Teletype Corp., Navy Systems Command, Hy Gain Antennas, Hallicrafters etc. So if you have a problem or would like to get technical information on something, drop us a line and we will do the best we can to answer in TEK-TALK or by return letter. Also if you are technically inclined, send us an article.... or if you see an article of interest.... drop it along to us. We are looking forward to hearing from you....

...See you next month 73's Smitty



How's Traffic?..

De Oscar, K5UVP/N0RCP, operator at W6IAB/N0RSE.

Push Pull Charlie...

...Bob Rotella

Traffic handling has become quite a complicated and interesting vocation in our time. I have had the privilege of working with such as Kit, K6VBB/W6IAB; Mae, W3CUL; Lloyd, W7BA; Tony, K6BPI and other top operators in the Brass Pounders League. Through these outstanding operators, I have come to believe in message handling as a fine portion of our "Art".

The other day, "ZERO BEAT'S" managing editor asked me to use this space to pass on some of the pointers I have received since my first QTC, KR6DI de W7BA, in 1959. Lloyd, in Seattle, Washington, passed on many first hints that day, and I hope to be able to pass them on to you, or, perhaps, remind us all from time to time.

It will be my pleasure to pass on traffic news in general and highlight the good work we all hear everyday. We will take brief trips into the right and wrong attitudes; the fine points of originating (drafting), delivering, and the journey in between.

Here's hoping we will hear from each and everyone of you. Send sweet things by message and sour things in a sealed container....

See you next month 73's Oscar

.....

....We didn't give Bob much notice on the column he is going to write. The following are a few excerpts from a letter he got to us a few days ago.

"...I sure appreciate the offer of being added to the honorable, worthy, talented, dedicated, (Oh! come on now.. editor) staff for a column on the phone patch activity...will have some print the next issue. Shouldn't come on with a blast anyway, then there isn't much to add or build up to. hi hi We will have a column and be on the next issue. ...we can start off with (what) frequencies, what stations involved, address info/phones, etc. and go on from there..."

I am sure we will all be looking forward to Bob's column....editor

.....

From The Rock..

...Don West

" . . . Not too much happening in this neck of the woods. Same old story in dire need of operators. Talk is in the wind of expanding operations at Camp Hansen (N0ETH/KR6MH) in order to fulfill the increasing demand of transient personnel, however, one man will only expand to a certain extent. . . hi ... A work request has been submitted to renovate the Camp Hague station. (N0ETI/KR6MD)

It will be quite some time before this is completed since the station is in a shamples. Hague is planned to run RTTY exclusively . . .

.....

NORSE/W6IAB has two new Henry 4K linear amplifiers . . Good luck . .they are nice equipment and will run 1000 watts out in continious key down RTTY operation...we are anxious to bear them.

Traffic Reports for January 1968. for N0ALM

	ORIG	RCVD	RELY	DLVD	TOTAL	TOTAL P/P
N0AMC	00	12	11	1	24	0
N0ANP	319	1927	1853	74	4173	316
N0ASM/NAV 2	40	1676	1713	36	3465	26
N0EEM	No report received this month					
N0EFA	No report received this month					
N0EFB	2163	2894	2558	336	7951	562
N0EFC	No report received this month					
N0EFD	No report received this month					
N0EFJ	No report received this month					
N0EFL	No report received this month					
N0EFY	No report received this month					
N0ENV	No report received this month					
N0ETG	87	372	284	88	831	195
N0ETH	39	8	1	7	55	24
N0ETJ	0	0	0	0	0	0
N0ETL	0	0	0	0	0	0
N0FAA	9	154	92	22	277	821
N0FJM	2	2	0	2	6	482
N0FOC	2	3	0	3	8	158
N0IVT	7	6	1	5	19	180
N0IXF	45	582	570	18	1215	5
N0IZG	0	0	0	0	0	853
N0RSB	-	-	-	-	52	678
N0RSE	71	2703	2599	33	5406	1064
N0RTP	87	324	250	28	689	0
N0RTW	42	17	9	6	74	567
NOTEF	-	-	-	-	67	796
N0XXN	18	113	106	14	251	0

Traffic Reports for January 1968. for amateur operations N0ALM

	ORIG	RCVD	RELY	DLVD	TOTAL	TOTAL	P/P
W4BHU	1	42	0	42	85	2	
K4BUJ	0	0	0	0	0	4	
W4LEV	0	38	38	0	76	-	
K4MCL	-	17	19	2	38	3	
W4NTR	0	0	0	0	0	0	
W4PFC	150	116	192	36	494	3	
KG4AM	0	0	0	0	0	886	
KP4AZJ	4	1	0	1	5	105	
KA5MC	No report received this month						
W6FCS	No amateur operation allowed this month						
W6IAB	0	3	0	3	6	6	
K6MCA	-	-	-	-	30	270	
W6YDK	27	210	196	14	447	110	
W6ZJB	0	0	0	0	0	482	
KH6AJF	No report received this month						
KH6BGS	0	1	0	1	2	308	
KR6DI	0	2	0	2	4	209	
KR6GF	15	25	15	10	65	382	
KR6MB	3	1	1	1	6	239	
KR6MH	10	8	1	7	36	691	
WA7AAJ	0	0	0	0	0	5	

Note: KR6CP and KR6MD are inactive.

continued from page 6....

N0IXF/K4BUJ. A West "By God" Virginian, Wes has worked some of the "best" in the traffic game and ranks as one of the old timers in the system.

The other two operators include SSgt Roger A. Smith (Smitty) and Cpl Bob Mattson. Smitty has been an amateur since 59 and just recently acquired a Navy MARS call. He is W8EJD/N0AJD. Smitty has worked at N0EFB and W4PFC.

The newest addition to the station is Bob, He conies to the station from KR6MB. An amateur since 60, he now has the call WB2AMI. Bob will be handling the Station of the Month articles, so if you want your station featured, give Bob a call.

Because of Navy MARS traffic commitments,, the station can not hold to very strict schedules. The following is the schedule which at the present time is followed:

GMT	FREQ.	STATION
1400		station opens
1400	19956	N0EFB P/P
1500	"	"
1600	16174	NORSE T-1 channel
1700	19956	NAV 14 monitoring
1800	"	"
1900	16174	NORSE T-1 channel
2000	"	"
2100	16300	N0FJM N0IVT
2200		Station closes when trf permits

Also the Marine Corps net is met when possible.

In filing traffic reports to NAV 2 please use the following formats

R (DTG)
FM (station making report)
TO NAV TWO
BT

UNCLAS

Zero Beat: Traffic Report for:

1. Navy MARS traffic

A. ORIG

B. RCVD

C. RELAYED

D. DELIVERED

E. TOTAL

F. TOTAL PHONE PATCH

2. Amateur Traffic

A. ORIG

B. RCVD

C. RELAYED

D. DELIVERED

E. TOTAL

F. TOTAL PHONE PATCH

3. Remarks (personnel changes, emergency traffic, local publicity, problems, etc)

BT

In filing traffic reports use word NONE, .if any category is zero, or if there are no remarks,, Our deadline for reports is the tenth of the month. All reports received after the tenth will appear in next months report as a late entry Thanks.....