

"ARMED FORCES DAY"

AMATEUR COMMUNICATIONS

21 May 1960

The Army, Navy, and Air Force invite all U. S. and overseas radio amateurs to participate in the Eleventh Armed Forces Day amateur radio program on Saturday, 21 May 1960. Co-sponsored by the Assistant Chief of Naval Operations (Communications)/Director, Naval Communications and the Military Affiliate Radio System (representing the Army Signal Corps and Air Force Directorate of Communications-Electronics) this program has become a traditional part of amateur radio activities.

The program consists of three parts. The first is a CW code receiving contest featuring a message from the Secretary of Defense and is open to any shortwave listener who can copy International Morse Code at 25 words per minute. Each participant who submits a perfect copy will be awarded a Department of Defense certificate of merit signed by the Secretary of Defense.

Part two of the program consists of a radioteletypewriter (RATT) transmission featuring a special message from the Secretary of Defense to any amateur radio operator or other individual who has the equipment capable of receiving radioteletypewriter transmissions. The message will be transmitted by the Headquarters MARS and Navy radio stations at a speed of 60 words per minute. Each participant who submits a perfect copy of this message will be awarded a certificate of merit signed by the Secretary of Defense.

Time	21 May 1960	Call Sign	Frequencies (KCS)
220300Z	(2200-EST)	WAR/AIR (Army & Air Force radio, Wash., D. C.)	3347, 14405, 20994
220300Z	(2200-EST)	NSS (Navy radio, Wash., D. C.)	3319, 4010, 6970, 14480
220300Z	(1900-PST)	A6USA (Army radio, San Francisco, Calif.)	6997.5
		NPG (Navy radio, San Francisco, Calif.)	3319, 7595, 14927.5
		NPD (Navy radio, Seattle, Wash.)	7455
		AG6AIR (Hamilton AFB Calif.)	7832.5
211100GCT	(2000 India)	NDT (Navy radio, Kami Seya, Japan)	2287.5, 4545, 9427.5, 16445, 23010

Part three, the highlight of the Armed Forces Day amateur radio activities, features a military-to-amateur transmitting and receiving test, and will be conducted for all holders of valid U. S. amateur radio station licenses. Headquarters radio stations of the Army, Navy, and Air Force will operate on spot frequencies outside the amateur bands, establish radio contact with amateur stations, and acknowledge these contacts with a special one-time Armed Forces QSL card. Each service headquarters station will acknowledge separately so amateurs will have an opportunity to qualify for three different QSL cards.

MARS Directors and Naval Reserve organizations are being urged to feature radio activities at their respective military installations as part of this year's plan for inviting the public to visit Armed Forces "at home" in 1960.

Competition entries submitted to the Armed Forces Day Contest, Room BE-1000, the Pentagon, Washington, D. C. should be postmarked not later than 31 May 1960.

Complete details are as follows:

A CW receiving competition will feature a message from the Secretary of Defense. All individuals, amateur operators, and others are eligible to participate. A certificate of merit will be issued to each participant who makes a perfect copy. Transmissions will be at twenty-five words per minute on the following schedules:

Each transmission will commence with a ten minute CQ call. It is not necessary to copy more than one station and no extra credit will be given for so doing.

Transcriptions should be submitted "as received." No attempt should be made to correct possible transmission errors. Time, frequency, and call sign of the station copied shall be indicated as well as the

Time	21 May 1960	Call Sign	Frequencies (KCS)
220330Z	(2230-EST)	WAR (Washington, D. C.)	3347, 14405, 20994
220330Z	(2130-CST)	NSS (Washington, D. C.)	3319, 7375, 14480
		AIR (Washington, D. C.)	7915
		A5USA (Ft. Sam Houston Texas)	5395
		NDS (Great Lakes, Ill.)	7455
220330Z	(1930-PST)	AG5FFR (Randolph AFB, Texas)	7305
220345Z	(2145-CST)	AG6AIR (Hamilton AFB, Calif.)	7832.5
		A6USA (Army radio San Francisco, Calif.)	6997.5
		NDF (New Orleans, La.)	6970
		NDW (San Francisco, Calif.)	3319, 7375
		NPD (Seattle, Wash.)	7455

Each transmission will commence with a period of ten minutes of test and station identification to permit amateurs to adjust their equipment. At the end of the test period, the messages will be transmitted. It is not necessary to copy more than one station and no extra credit will be given for

Military stations, WAR, NSS, and AIR, will be on the air from 211800Z (1300-EST) to 220500Z (240-EST) on 21 May 1960 to contact and test with amateur radio stations. Amateur contacts will be discontinued from 220245Z to 220400Z to allow Armed Forces Day CW and RAAT broadcast competitions. Military stations will operate on spot frequencies outside the amateur bands as follows:

Station	Military Frequencies (KCS)	Appropriate Amateur Band (megs)
WAR (Army radio, Washington, D. C.)	4020 (AM)	3.8 to 4
	4025 (SSB)	3.8 to 4
	6997.5 (CW)	7. to 7.2
	20994 (CW)	21.1 to 21.25
NSS (Navy radio, Washington, D. C.)	4010 (CW)	3.5 to 3.8
	*4012.5 (SSB)	7.2 to 7.3 & 3.8 to 4
	3319 (RATT)	3.5 to 3.8
	6970 (CW)	7. to 7.2
	7375 (RATT)	7. to 7.2
	14385 (SSB)	14.2 to 14.3
	14480 (CW)	14. to 14.2

name, call sign (if any), and address of the individual submitting the copy.

A radioteletypewriter (RATT) receiving competition will feature a special message from the Secretary of Defense. A certificate of merit will be issued to each participant who makes a perfect copy. Transmission will be at sixty words per minute on the following schedule:

so doing. The message should be submitted as received. No attempt should be made to correct possible transmission errors. Time, frequency, and call sign of the station copies should be indicated as well as the name, call sign, and address of the amateur concerned.

	20075 (CW)	21. to 21.25
	*20050 (RATT)	see note
AIR (Air Force radio, Washington, D. C.)	3347 (CW)	3.5 to 3.8
	7635 (AM)	7.2 to 7.3
	14405 (SSB)	14.2 to 14.35
	15715 (CW)	14. to 14.2

*Operator transmitting on 4012.5 (SSB) will listen in the AM, SSB, sections of the 40 and 75 meter bands for AM or SSB stations.

*NSS will key 20050 KC simultaneously with one of the RATT frequencies listed above. This frequency will be utilized as frequency propagation conditions dictate.

Military stations will listen for calls from amateurs within the appropriate amateur bands. Contacts will consist of a brief exchange of location and signal report. This is a test of military-to-amateur communications and no traffic handling or message exchange will be permitted. An acknowledgment (QSL) will be sent to each amateur station worked. Each of the military stations will acknowledge separately.

"FIRST XE TO CE CONFIRMED"

It was some time ago, when the first RTTY QSO between a Chilean station, and a Mexican one, took place. Almost one year ago.

XEØBP was at the keyboard; the time 11:20 CST, the date 13 June 1959. XEØBP knew of that first South American RTTY station, through a W, the night before. He had been trying hard to get South America from his Minneapolis QTH and claim one more "first" . . . first WAC using RTTY. And now he had the chance, not certainly a good one as he was not operating from his Minneapolis QTH. But it was a first, anyway. So, he tuned the powerful 35 watts, around 21090 and called CE3AGI. Here is it, the first contact between Chile and Mexico, using RTTY both ways. After signal reports, the ragchew. About machines. How to get one for Dave, and send it to Santiago.

June 14—Around 2200, time just enough to make the QSL's . . . tonight is last night in Mexico City, and tomorrow will see XEØBP going north. QSL's are the regular ones, in use at WØBP. Only the letters XEØBP are hand-painted, using black "in-

dia" ink. As only "trademark" the Mexican stamps, to be adhered later.

June 15—We lost Beep!! An automobile accident, near Mexico City. And we lost also to WØITQ, his friend and faithful collaborator in this Mex-pedition.

XEØBP QSL to CE3AGI was not sent, because there was doubt about the QTH.

But it was a chance to make a trip down to Santiago and I took the card with me. Just one week before I had received the address from Merrill: care American Embassy. Before leaving Mexico City, I sent a card to Dave. That was good enough, because the first night in Santiago, a phone call made me sure about the address, the card had been arrived and Dave was awaiting me, next day, at the Minitrack Station #8, in Peldehue, 40 Kms north of Santiago.

You know the friendship between hams, no matter the place where they meet. After ragchew, I gave to CE3AGI op., Dave L. Thompson his QSL. You are looking now CE3AGI card to XEØBP, a card that confirms the last "first" . . . de Boyd Phelps, WØBP-XEØBP.

MINITRACK
CE3AGI
Santiago, Chile

Designed by
U.S. NAVAL RESEARCH LABORATORY

Bendix RADIO DIVISION, BENDIX AVIATION CORP.
Baltimore 4, Maryland

RTTY Activity in The British Isles

BUD SCHULTZ, W6CG

Lack of RTTY activity in Europe, long a complaint of DX minded U. S. hams, is now a thing of the past. This happy change has been brought about by a small but extremely enthusiastic group of British amateurs. Working under many difficulties such as lack of suitable equipment and information this group has come a very long way in the past year. First a source of teleprinter gear was uncovered and distributed to all interested parties. Next, copies of the "RTTY Handbook" and "RTTY" were obtained and distributed on a sort of library "lend" basis. As a result of this sort of cooperation and group effort a number of British Hams are now active with more to come very soon.

One of the most active organizers of the British RTTY group and one of the strongest forces behind it is Arthur C. Gee, G2-UK, better known to his friends as "Doc." Doc Gee's efforts were in no small way responsible for recognition of RTTY by the RSCG and the British licensing authorities. Doc is the Editor and Publisher of the BARTG bulletin which is released at regular intervals and contains all the news of the activities of the BARTG, which is the equivalent of the several Teletype Societies here in the States. At present G2UK has FSK on 14MCs. and operates CW on 14.21, and 28 MCs. — and occasional phone. The following quote concerning the photo is Doc's; "The photo shows the type 3 Creed T/P, Heatkit DX 40 Tx and Heatkit VFO modified for FSK. Beneath is the T.U., a modified W2PAT audio filter unit. The receiver is out of sight to the left, but is a BC 348. For the record, the rest of the Amateur gear I run is a homebrewed table top all band rig consisting of a Geloso VFO unit driving a 6146, with a pair of 807 modulators. RX is an Eddystone 750 dou-

ble superhet. Aerial is a three band trapped vertical dipole (Mosley) fed at the centre by 78 ohm twin feeder — and into a Heathkit Balun Coil Unit—thence via coax to the TX and Rx."

Doc is collecting a number of 35mm transparencies of RTTY stations, circuits, gear etc. which he uses for lectures and talks before various radio societies and clubs. Any help along this line would be appreciated.

Any report on RTTY activity in "G" land without a mention of Bill Brennan, G3CQE would certainly be inadequate. Bill is one of the most active of the British group and his fine FSK is familiar to a great many of the U. S. gang. In addition to giving many teletypers the much sought-after European qso, Bill holds several DX records for RTTY. First G-ZL contact, First G-VK, G-W. G-VE and first G-TG contacts. His RTTY QSO with ZL3HJ is still a World's DX record on FSK! I promise to run a vignette of Bill and his fine station in a future issue.

In closing this short story on RTTY activity in the British Isles a word of appreciation for a ham on this side of the broad Atlantic who had a big hand in the success of the British group. VE7KX, Jim Hepburn has been a tower of strength to the lads over there during the formative stages of the BARTG group. Helping out in many ways with suggestions, data, information skeds, etc. Jim has given a great deal of effort to their cause.

The hams of Great Britain have always been outstanding in World-Wide Amateur Radio activity and it is a certainty that the group representing RTTY are no exception to this rule. Good luck and good printing, Lads, you have our support and a salute for a job well done!

— W6CG

RTTY-DX

By **BUD SCHULTZ, W6CG**

5226 N. Willmonte Ave., Temple City, Calif.

Like I said a couple of month's back; things are going to pick up in the near future. I hate to be a smart alec and say "I told ya so" but if your DX blood pressure didn't go up in the past three weeks you ought to see a Doctor—or get a new receiver. hi. It all seemed to start with the SS contest and has been on the upswing ever since. Speaking of the contest how about the score that Bob, TG9AD, ran up! Right in there near the top with over 5800 points! Bob continues to push that fine solid print in nearly every night on 20. Haven't heard much of Bob's compatriot, Pete Smith - TG9PS, but guess it's just a matter of time. If anyone needs TG for their DX list Bob or Pete is your man—and they QSL like crazy! Another new one caused some real "pile-ups" during the first week of March. I'm speaking of OA5G at San Juan Bay, Peru. George and Keith sure did a job when they finally got over the first hurdles. They survived a burnt out power transformer in the final followed by a burnt out transformer in the HT32 during the first week! This is a calamity when you are hundreds of miles from a radio parts supplier. (See the Jan. '60 column for details of the locale of OA5G). KL7MZ reports that OA5G prints like a local up at Rabbit Creek—another testimonial to the fine FSK that the boys are turning out so if you still need South America for your WAC (and who doesn't?) this is your big chance. From down under ole Bruce, ZL1WB, is still plugging away amongst all the CW joy boys around 14090 Kcs. By the time this gets in print we will all be sharing your spot, Bruce—Like they say; "everything comes to him who waits". Things should look a bit brighter Bruce, with some support from the gang on this end. Word comes from G3CQE that the reported FSK activity from 5A2CV in Libya can be written off. It seems that the lad is about to return to England. Still no definite word from Africa as far as RTTY activity is concerned. If anyone has any dope on

activity in the "Dark Continent" this editor sure would appreciate it. By the grapevine I hear that both W2JAV and W2RUI just need Africa to complete their WAC-RTTY. Anyone for a RTTY DX-pedition to Nyasaland? Zanzibar?

Erosa, XE1BI continues his activity on all bands and has been booming into the States very regularly giving many of the gang a coveted XE contact. Erosa sent some fine photos of CE3AGI which will appear here from time to time. Bill, G3CQE, reports that DL1GP is active on 3.6 Mcs on RTTY and speaking of that band Bruce, ZL1WB, says he was able to copy W3PYW on 3260 during the contest! There is also a note that G3BST is operating FSK on 7010 Kcs.

On the Asian side comes news of a couple new ones of the exotic type to tickle your palate. This tired old DX editor was really "shook" by a call from a nice big fat RTTY signal signing HL9KT. The operators name is Fred and he reports the station is manned by Mars operators and will try to be active on the RTTY frequencies whenever possible. Fred says he likes RTTY but the keyboard bugs him a little but if we can stand it he is willing. Give him a listen, Gang (21,090) he's worth looking for. Also from W6KUY/MM via W6YJG comes word that Bud worked an HL5 while enroute from Yokohama to SF on 21,075 Kcs. Nothing further on this one but will try for more details. Bud also reported through W6YJG that there is some VS6 activity and that KM6BI on Midway has most of his gear ready and will be on soon. Thanks for the info, fellows! STOP THE PRESSES!!—G3CQE has just reported that he has logged ZS6KD on FSK in contact with a W9 on the 21, MC band. A W8 and a VE2 also confirm this dope so take it for what it's worth if you need Africa. If anyone has anymore on this please let me know.

Official word comes from Dick Spenceley, KV4AA that RTTY is definitely on the

program for the Yasme III DX-pedition with Dave Tremayne, ZL1AV, in charge of this phase. This is a big break for the RTTY cause since it will open up a whole new area of rare DX possibilities for those of you who like to prow! for that sort of thing. Many more details on the Yasme will be forthcoming when they get under way. Suffice to say at this time—keep your contacts short and only the bare necessary data for a confirmation should be included. Remember their time allotted to RTTY-will naturally be very limited as they will only stay at each location a very short time. Keep your calls and transmissions as brief as possible so everyone interested can get a "look-in". Will go into the QSL set up for the expedition next month.

Thanks a million to all of you who sent in info, rumors, box scores, scuttlebutt, and gripes. They were all gratefully received—including the gripes. After all this is your column and I'd like to compose it to suit your desires. Thanks again for the use of the hall and C U next month—73.

Bud—W6CG



G2UK

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RTTY is the Official Publication
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W6FLW W6IZJ

For "RTTY" Information:

W6DEO W6CG W6AEE

Seventh Anniversary RTTY SS Contest Results

Another Anniversary SS contest is now history, and the growth of RTTY continues. Your Editor wishes to thank those taking part for sending in their logs. Higher scores were made due partially to the greater number of RTTY stations taking part.

Top score was turned in by Skipper, W2-RUI, with a total of 9,120 points. Followed by, W3PYW 8,112, W2JAV 7,770, W6FYM 6808, W2TKO 6512, W9QNO 6426, TG9-AD 5845, W9PRX 5752, K8NVU 5610, W8-CAT 4340 for the top ten. There were thirty-five stations turning in scores over 1000 points. W3CRO worked UB5HL for a RTTY to CW contact. From the comments received (which are partially given below) many stations took part in this SS contest who had never taken part in any type of contest. All say they enjoyed the contest.

The mail has been so heavy since the SS contest, that your Editor has not been able to answer all letters as in the past. I hope this can be again done. Thanks to every one for their comments and suggestions.

Below are listed the results by call areas.

WIAW Conn.				
W1BDI Conn.	16	32	14	448
W1BGW E. Mass				
W1F5H Conn.	20	40	12	480
W1GNS Conn.				
K1JMZ E. Mass.				
W1KQY Conn.	18	36	14	504
K1MID N. H.				
W1OUG Conn.				
W1VSA Vt.				

K2BZC W. N. Y.				
W2FAN W. N. Y.				
W2GQN NY/LI				
W2JAV S. N. J.	105	210	37	7770
W2RGO W. N. Y.				
W2RUI W. N. Y.	114	228	40	9120
W2TAM S. N. J.	224	48	15	720
W2TKO W. N. Y.	88	176	37	6512
W2TOX NY/LI	48	96	25	2400
W2VLL W. N. Y.				
K2YEL S. N. J.	47	94	24	2256
K2YZD N. N. J.				
W3CA W. Pa.	23	46	17	782
W3CRO E. Pa.	43	85	27	2295
W3HCE Md/Del				
W3HMY E. Pa.				

W3MHD W. Pa.	30	59	21	1239
W3PYW Md/Del	104	208	39	8112
W3TZI E. Pa.				
W3ZCS W. Pa.	43		22	946
recv only				
W4EBH Va.	16	32	12	384
K4JXG Tenn.	41	82	20	1640
W4LTR/4Ga.				
W4MGT Ky.	52	104	29	3016
W4SLT Va.				
W5AM Ark.				
W5BGP N. Tex.	18	36	11	396
W5BMI Ark.				
K5BQT La.	23	46	18	828
W5CCD La.				
W5ENH Ark.				
K5GHS N. Tex.				
W5IHO				
W5JBW La.				
W5ORH Okla.	30	60	20	1200
K5QBU Miss.				
K5SPU N. Mex.				
W5SQB La.				
W5TTG N. Tex.				
W5VHR S. Tex.	27	54	17	918
W5WI Okla.				
W5YM Ark.				
W6AAN San J.	15	29	10	290
W6AEE L. A.	54	108	31	3348
W6CBX SCV				
W6CG L. A.	28	56	19	1064
K6EER SCV				
WA6EXR S. D.				
W6FKQ E Bay				
W6FYM SCV	92	184	37	6808
W6GGN SCvly				
W6LFF S. F.				
W6LIP L. A.	38	76	21	1596
K6LIB L. A.				
W6NRM SCV	59	116	32	3712
W6OWP SCV	30	60	15	900
K6OWQ L. A.				
(XYL)	19	38	11	418
W6MSG S. B.	3	6	2	12
W6MTJ S. F.				
W6MXJ S. F.				
W6PHS S. F.				
W6VBU SCvly	10	20	7	140
W6VVF S. F.	22	43	15	645
W6YJG L. A.	54	107	25	2675
K6ZBL E Bay	40	79	16	1264
W6ZBV S. D.				

K7ABB Wash.	28	54	13	702
W7BEG Ore.				
W7CSC Ore.	2	4	2	8
W7FEN Wash.	65	129	32	4128
W7HJC Wash.	12	24	10	240
W7HRC Wash.	15	30	10	300
W7IE Ore.	27	53	10	530
W7LI Ore.	7	14	3	42
W7LPM Wash.				
W7LU Ore.				
W7PHG Wash.	62	124	31	3844
W7PQJ Ore.	46	92	25	2300
W8CAT Mich.	70	140	31	4340
W8CSC Ohio	20	40	15	600
W8DU Mich.				
W8FEV Mich.				
K8JIB Mich.				
W8JIN Ohio	33	66	25	1650
K8JON Ohio				
W8KJK Ohio	60	120	27	3240
W8LEX Ohio				
K8NVU Ohio				
W8QMI Mich.	15	30	9	270
W9BMV Ill.				
K9BRL Ind.	31	62	20	1240
W9COW Ill.	22	44	18	792
W9DJE Wis.	3	6	3	18
K9DPU Ind.				
W9DPY Ill.	40	80	25	2000
K9EHP Ill.	31	62	19	1178
W9HJV Wis.	22	44	17	748
W9HXW Ill.				
W9PRX Ill.				
W9QNO Wis.	95	189	34	6426
W9SPT Ill.				
W9VMG Ind.	51	101	29	2929
W9YT Wis.				
WØAJL Colo.				

KØDJP Iowa				
WØDOA Mo.	6	12	5	60
WØEBW Colo.				
WØENA Colo.				
WØFLK Minn.				
WØFQW Iowa	18	36	14	504
WØHAH Minn.	20	40	13	520
KØHLW/9 Ill.				
WØIBZ Mo.				
WØIFS Minn.				
WØIRG Mo.				
WØIRM Minn.				
KØJDB Kan				
KØJFD Nebr.	20	39	17	663
WØJHS Minn.	9	18	7	126
WØKXB Kans.	14	28	12	336
WØNLK				
WØPFU Kans.				
KØQPO Mo.	18	36	14	504
WØTBL Mo.	70	138	29	4002
WØTHH Minn.				
WØUQJ Iowa	39	77	24	1848
WØZVJ Mo.				
WØZWN Mo.	28	58	20	1160
G3CQE England	10	20	8	160
KL7BK Alaska				
KL7MZ Alaska				
KL7USA Alaska	34	64	17	1088
TG9AD Guatamala	84	167	35	5845
UB5LH Ukraine				
VE2ATC Que.				
VE2HY Que.				
VE3TV Ont.				
VE6UB Albta.				
VE7EP B. C.				
VE7VP B. C.				
XE1BI Mexico				
XE1ZZ Mexico				
ZLIWB N. Z.	9	18	7	126

RTTY WISHING WELL

TG9AD-TG9PS	14,340-21,090, 7140 0300-0600 GMT
OA5G	14,340 0200-0700 GMT
ZLIWB	14,090-21,090 0100-0700 GMT
G3CQE	21,085-21,015, 14,340 1700-2130 GMT
HL9KT	21,090 0100-0300 GMT
XE1BI	21,085 1900-2100 GMT

RTTY DX Box Score

(Countries worked on 2-way RTTY)

W6CG	16
W6AEE	16
W2JAV	15
K6OWQ	14
VE7KX	11
W7LPM	11
KL7MZ	10
KL7ALZ	8
ZLIWB	8
G3CQE	7

Times and frequencies listed above are for actual reception on the West Coast. Some of the stations listed are known to operate on other frequencies and times than those listed.

Seventh Anniversary RTTY SS Contest

"I heard Frank, W3PYW on 3620KCS at 0620 GMT calling CQ, but too much local fone QRM to attempt to raise him. Had TG9AD call me, but was QRL with Walt at the time, so missed on him during the SS. But managed to have a few nice QSOs with Bud, Mary, Howard, Walt, and the two stns in Texas, then I managed to raise Dick in Seattle for my first W7 on RTTY from NZ." . . . ZL1WB

"Well here is my entries for the past endurance contest. There seemed to be considerable more competition on this time over the October contest, new calls that I haven't heard before. A guy just couldn't take much time out for coffee breaks if he wanted to stay up there. . ." W8CAT

"Add to my log for the recent RTTY contest that entire operations confined to one band—forty meters—and also that power input was 100 watts . . ." Bob WØUQJ

"I didn't do so well as I had to work at the office on Saturday this time. It sounded to me that the gang was enjoying the RATT race, also noticed there were lots of new stations in the going." 73 Lyle WØFQW

"Only been on RTTY-2 way for 2 weeks. My first RTTY SS. Lots of fun and a big kick working G3CQE and TG9AD . . ." Ken, W3CA

"Enjoyed working the SS from this side of the world. Seems to be a world of difference. As you can see I was only on for a short while and had a world of fun at it. I about fell out of the chair when Bill G3CQE came back to one of my CQ SS tapes. As I said strange to be on the other end of the line. Good contest and see you next time." W5ORH exKR6JL

"Very fine contest. This was my first but not last, Hi. I was real surprised we got out with 150 watts so well. Operating in the contest was excellent, CU next time, 73 . . ." Ron K8NVU

"I sent in a log on the last contest we had and my totals appeared in QST and RTTY magazines as W4JXG, instead of K4JXG. Had a lot of fun and looking forward to the next one, 73 . . ." Ed K4JXG (Sorry, Ed we goofed.)

"Sorry could not work you Merrill. We heard your signals here often but so far not strong enough to print, still trying though, 73" Lew, W1FSH (Guess I'll have to put more power on, Hi.)

"Hi, this is the first contest I have ever entered, and not sure what is necessary for log, here is copy of my log. Next time, will put in more time. I hope, 73 . . ." Art KØJFD

(Art, the form of the log is not as important as taking part. Tnx.)

"Tnx for dope on modifying the o5?FR. This was my first contest of any sort that I kept scores on and certainly won't be my last one on RTTY. Much fun was had and a host of new friends made . . ." Van W6VBU

"From all RTTYers, it appears that the contest was pretty well conducted and quite active. It seemed to me that there was better spread on the frequencies than in the past. I did not have too much time to work, only about four hours but did fairly well, Hi. 73" Nick W6VVV

"Didn't make too hot a score but sure had a lot of fun. The rig conked out part way thru the contest and had much trouble with the FSK circuit. However we worked quite a few of the fellows and racked up a pretty good score for the trouble we had, Hi . . ." Dave, K7ABB

"Following is the sad performance of W8QMI in the 1960 RTTY S.S. You may possibly read in the papers I have killed myself as I had an S-9 signal in Guatemala at TG9AD but since I have never before worked twenty, my shift was inverted and my range was approximately two Hi, so Bob kept coming in on my printer all day Saturday, and I could do nothing about it even after tearing things down and getting a reasonable range of fifty on twenty meters. But with shift still inverted—but I managed to work five or six of the gang on twenty regardless. 73" Ed W8QMI

"Here is my list of activity on the RTTY bedlam. I heard you fine but could not get solid enough copy for traffic. Thanks for the call anyway. Calls to the hospital kept me from being active as I might have

wished. No New England stations were heard and usually I can work into N. England well . . . 73" Brad, W4EBH (Bradford S. Bennett, M.D. is what the call book shows, hence the QRX)

"I enjoyed the contest and think you folks are doing a very fine job in sponsoring the RTTY contest . . . Good luck and all the best, 73" Steve, W9COW

"What a ball! What a ratt race! What confusion! What comments from the family cause I was wiping out the kids' TV. What a mess in the shack! What a nervous wreck! What frustration—Eastern stations 20/9 but won't answer my calls. W9QNO calling CQ in a clear spor(honest) and the end of the paper just going over the top of the machine. Fast change and got him. Fifteen minutes late for MARS net cause got caught between 2 and 15 meters for contacts. Nutting blew up but sure wish we could have hooked TG9AD or some KL7s or KH6 if there were any on, CU, 73" Rus K6ZBL

"Had a wonderful time. Worked W9PRX on three bands. Thirty-eight contacts, 21 sections. Sent two message number 20 by mistake. Worked four bands F-1. Total operating hours due to XYL putting me to work, sixteen hours . . ." 73 Tim, W6LIP (We are all in the same dog house, Tim, Hi . . .)

"Best band here was twenty, however we made quite a few contacts on forty . . . Power in the shack was about 100 watts into four 6AG7s in GG . . . no fancy antennas other than dipoles East/West on twenty and forty. A lot of noise was present on 80 so did not try that band. We monitored 7090 and 14090 as several times but no foreign stations were heard. Again, it was a pleasure to be a part of the 7th SS and hope to work you personally via the green keys, UE" William S. Coon, K9EHP

"This was my first time at the Sweepstakes and for that matter it is my first time out for any type of a contest . . . I know that I did not do so well, when I talk to some of the boys, they come back to me with a number that floors me, and I think to myself that I had better give up, well I did not and I kept right on going to the end . . . It's not much, but its my best . . . Carter W6YJG"

"Here is my entry in the RTTY Sweepstakes. Sure missed the old Beep this year

although there will be some large scores from the numbers I heard. W2RUI had 105 when I talked to him . . . Phil, WØJHS"

"Good to hear Guatemala coming thru, especially pleased to work you, was busy fighting the flu bug and also time limited by working on a thrown together pair of 813s grounded grid (blowing RF chokes liberally) T'was a good party, as attested by the QRM levels, one of the best if not the best . . . grand to renew contact with Roy, W2TKO, Frank, W3PYW, Phil W2JAV, Dick, W3CRO and many others . . . 73 Ed W1BDI"

"Seems that things were conspiring to keep me out of the contest. First, I was unable to work any at all Friday night and got a very late start on Saturday night. Came in and fired up the rig and discovered that I could not turn on the VFO. Found a broken wire on the switch and in the process of soldering it, broke off another. Got that fixed and then found I couldn't change the frequency due to a slipping shaft coupling. Then had to reset the calibration and tighten the screws on it. Finally got on the air at 2140 but then had to stop and run the bulletins at 2200. Here is the log, 73 Ken WØKXB"

"First SS for me in some years . . . both days were working days for me so I couldn't enter on a highly competitive basis. But it was fun, 73 Bart, W6OWP"

"Sure had fun in the contest, my first one and the only RTTY station in La Crosse or surrounding vicinity, Hi . . . Herman, W9HJV"

"Next time I hope to try it without the BIG CANVAS GLOVES and the bandages. Doc says the exercise may keep the hands from being permanently crippled. Five additional contacts from the local CD station were not used for score. This would have added an additional 400 points . . . BCNU Skipper, W2RUI"

"This isn't much of a score, but didn't have much time available besides am a "New Comer" to RTTY, and like it a lot, 73 Thurlow, W7LI"

"This was my first serious attempt at any type of contest, it was a long grind but an awful lot of fun . . . See you on the keys one of these nights for a long rag chew 73, Noble, W9PRX

**List of British Radio Amateurs
Known to Be Actively Engaged in
RTTY, at 1st January 1960**

- G3CQE. Bill Brennan, 11, Hammond Way,
Salhouse Rd. Norwich.
- G3IAO. Peter M. Carnochan, 21, Grand
Avenue, Pakefield, Lowestoft, Suf-
folk.
- A. W. Leaman, 94, Marlborough
Rd., Wood Green, London, N. 22.
- G3NAU. Rev. Peter Heath, St. Peter & St.
Paul's, Brailes, Banbury, Oxon.
- Adrian Smallbone, 6, Herbert Ter-
race, Penarth, Glam.
- G2AHL. John Rouse, 4, Albury Rd., Guild-
ford, Surrey.
- GM8FM. J. H. Shankland, 28 Craigmount
Crescent, Corstorphine, Edin-
burgh.
- G3BST. John Tuke, 12, Lovatt Drive,
Bletchley, Bucks.
- G2UK. Arthur C. Gee, "East Keal," Rom-
any Rd., Oulton Broad, Lowestoft.
- GM3KSN. Patrick Dolby, C. A. Radio Sta-
tion, Mangersta, Isle of Lewis.
- GM3MUZ. James Morrison, No. 2 House,
Decca Transmitting Station, Lion-
el, Port-of-Ness, Isle-of-Lewis.
- D. F. Wadsworth, 48, Lilac Grove,
Beeston, Nottinghamshire.

**List of West German Radio
Amateurs Known to Be Actively
Engaged in RTTY,
at 1st January 1960**

- DL 1 GP. Hans H. Horn, Friedhofstrasse
5. 24) b, Flensburg, Germany
- DJ 1 GJ. Richard Mander, 43 Springe-
strasse, Gelsenkirchen/Buer.
- DJ 1 PL. Klaus Fuhrmann, 65 Talstrasse,
20b) Seesen.

"RTTY SS was fun. I operated just enough
to learn how it works. Have only been on
RTTY a few months now. Next year we go
out for a BIG SCORE. Also worked TG9-
AD, first RTTY DX here. QRM was ter-
rific—a simpler I.D. procedure is highly
desirable. Keep up the good work, 73
Wally, KØQPO"

"Very nice contest, lots of politeness no-
ticed. Operating hours very agreeable. Very

9 March 1960

In 1837 Albert Vail, an associate of Samuel F. B. Morse, made elaborate and detailed working drawings of his proposed printing telegraph. However, this was never developed because both inventors were of the opinion that it could not successfully compete with the practically simple system which Morse had invented two years before.

In 1846, E. House of Vermont invented and patented a system of printing telegraphy and ten years later D. Hughes of Kentucky patented another system.

In 1875, twenty years later, Phelps worked out and patented a practical system of telegraph printing which has since been improved.

Of the later systems developed there are three; the Wright; the Roland, and the Buckingham-Barclay systems.

The Roland and the Wright typewriting telegraph systems have each been tried out by the Postal Telegraph Company and while both performed excellent work under favorable conditions they have been abandoned temporarily and returned to the laboratory for further development.

The Buckingham-Barclay typewriting telegraph system is employed by the Western Union Telegraph Company for commercial work and is found favorable, but is still capable of further improvement.

Quoted from Hawkins Electrical Guide No. 8, 1927 impression of the 1917 copyright, Theo. Audel & Co., New York.

W4FEE/6

J. A. Chumley
24540 E. Little 3rd St.
San Bernardino

—O—

disgusting . . . a few high power stations running endless RYRYs, and also endless tapes of "Where have you been etc" . . . This loused up a few contacts for me, and I certainly would not have called that station after that happened. It seemed he had all the contacts he could get and was trying to clutter up the bands so others could not gain another point or two . . . 73 Army, W8CSH"

Here are some photos of the first S. A. RTTY station, CE3AGI, in Peldehue, 40 kms north of Santiago de Chile.

#1.—Left to right: Dave L. Thompson, CE3AGI and Erosa, XE1BI. Behind the shack, inside a Johnson "500."

#2.—Same as above.

#3.—Dave and other fellow of the crew of Minitrack station No. 8. Forgot the name!

#4.—Another view of the shack; you can see some lines. The machine, (four of them, 15's and 19's) are not located in the shack, but some distance apart. Keying is done through a polar relay. Receivers are also in the same room than the machines of course.

Enjoyed very much the SS. Will send my log (17 qos) soon. Sorry not to make you but there will be others SS, hi. Best 73's
Erosa

I have a solid copy of the second RTTY qso between Mexico and Guatemala. First was while on the SS.



CE3AGI

Well I finally got on RTTY Thursday, Jan. 7th. Hi, Hi, had my very first contact with three of the RATS gang in Mpls. Thanks to W6OWP Bart. . . . I tried it about two weeks ago and I had too much shift and I couldn't get the shift down to where anyone could read me so in desperation I wrote to Bart and he sent me a diagram and some ideas to try so I did and it works beautiful now. I made Amateur history here in La Crosse and vicinity as being the first RTTY station on Hi Hi. Since Thursday I have had eight contacts with Minn., Iowa, and Mich. It was a real thrill to watch the printer print my call Hi Hi. . . .

I am enclosing a small snapshot of my setup here as it is at the present. The lineup is as follows from left to right: Model 15 printer, Heath 3" scope almost hidden, NC-303 rcvr, B & W 5100B-51SB-B far right not shown on the photo is a B & W L-1001 final on top shelf phone, Johnson 6-2 converter, Heath VHF-1 Seneca, Heath AM-2 Reflected Power meter and is flanked by two defunct 813's Hi Hi on the bottom shelf is the W6EFT TU. So that is about it, except the antennas which are: ten element, 2 meter; five element, 6 meter, Hy Gain triband for 10-15-20 these are stacked on a five foot tower on the roof, 40 meter dipole and a 80 meter dipole which run East and West.

Thats about it, another thing what bands do you operate mostly, I would like to contact you on the air if possible, so until later, thanks for everything and all the help along the way to get me on RTTY.

73

Herman J. Ludvik W9HJV

-0-



W9HJV



W6NRM

R. H. Weitbrecht
3941 Brookline Way
Redwood City
California

Kurt Karlson, W2ZXM/MM aboard the Flying Enterprise II, reported in from the Canal Zone with a beautiful RTTY copy on 21,090 Kes. Kurt says he is anxious to work the gang and will watch 21,090 with an eagle eye for any takers.

As I wind this up and get ready to take it over to the Boss-man, the last dying gasps of the SS contest are just settling down to a dull thud. Many of the DX stations showed up and ran fine scores. Some of those logged here were TG9AD, XE1BI, G3CQE, ZL1WB, KL7's MZBK-USA, etc. Will have a round-up on the dx side of the contest next month. Will also run a complete box score next month so get your "countries worked" list into me as soon as you can. Thanks all for a swell contact and BCNU-73.

Bud W6CC

-0-

REPLACE THE QUICK BROWN FOX

DES MOINES (AP)—If you tire of testing your typewriter keyboard with, "The quick brown fox jumped over the lazy sleeping dog," try this one:

"Pack my box with five dozen liquor jugs."

It contains all the letters of the alphabet.

-0-

