



## HORSE TRADES

This page of the Bulletin is for use of amateurs who have RTTY EQUIPMENT FOR SALE OR TRADE and those looking for equipment to buy or trade. It is a free service and may be the means of getting someone on the air.

WANTED—Tape Perforator and Tape Keyer  
..... Robert W. Muler, 2100 Demster St., Evanston, Ill.  
FOR SALE Complete Model 15 and 19 ..... W9GRW  
FOR SALE—Model 24 (similar to 26) ..... W6EY  
FOR SALE—Model 26 ..... W6OQB  
TRADE—Model 26 Complete with Table ..... W4LCR  
FOR SALE—Model 12 Printer Only ..... W6ZNU  
TRADE—110VDC, 500 Ma. power supply. Will take tape head  
or sync motor ..... W6ILW  
FOR SALE—MG Set for Model 12 ..... W7HPH  
FOR SALE—Model 12 complete with keyboard ..... W6PNW  
WANTED—Tape perf that can be operated from 26 keyboard.  
(12 or 14 reperf) ..... W7ULL

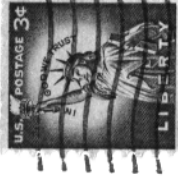
FOR SALE—Reperf and tape equipment, 14 typing reperf,  
12 reperf, 14-A tape perf, misc tape heads and dist. Will  
trade ..... W9GRW

WANTED—Cover only for non-typing 14 reperf .... W8BYB

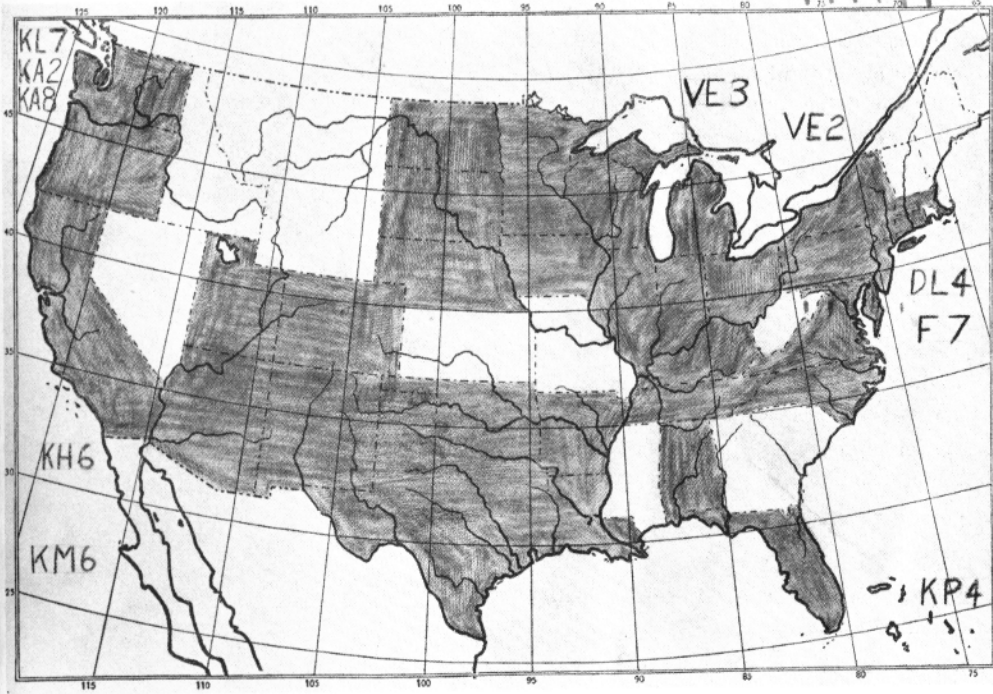
## RTTY, Inc.

3769 East Green Street  
Pasadena 10, Calif.

Return Postage Guaranteed



# RTTY



LOW FREQUENCY RTTY COVERAGE JANUARY, 1955

JANUARY, 1955

25 Cents

Vol. 3, No. 1

NEWS OF

AMATEUR

RTTY

## SECOND ANNIVERSARY SS CONTEST

Looking at the areas which are to be active of low frequencies with RTTY in just two short years, should prove to those who are not familiar with present day RTTY activity, that this Second Anniversary RTTY SS will be one to plan on taking part.

The November SS contest was better by far than the previous ones, and this should prove to be an excellent opportunity to do even better. New stations are coming on the air each week, and it is only a matter of a short while until those areas on the cover will be all darkened showing activity.

Rules Contest is open to all RTTY equipped stations. Members having receiving equipment only may take part, as well as those who have both transmitting and receiving equipment. Receiving only stations should copy as many Amateur RTTY stations as possible. Score one point for each station copied solidly, sending in copy made. Then multiply no. of points obtained in this manner by the number of sections (See QST Page Six of any issue) to give total score. For those stations having transmitting equipment

also. The same scoring will be used; ie one point for each message sent and acknowledged. One point for each message received. This times the number of ARRL Sections gives the total score. Additional points may be counted for cross band operation in which additional receivers or transmitters are used. All bands open to RTTY operations, either FSK, or AFSK may be used.

For sample of reporting form, see page 49 of the November 1954 QST. Contest entries should be mailed not later than February 27, 1954 in order to be counted. Certificates have been mailed to the highest scoring station in each of the ARRL Sections, taking part in the November SS Contest. Certificates will be awarded to highest scorer in each of those ARRL Sections submitting entries.

### CONTEST PERIOD

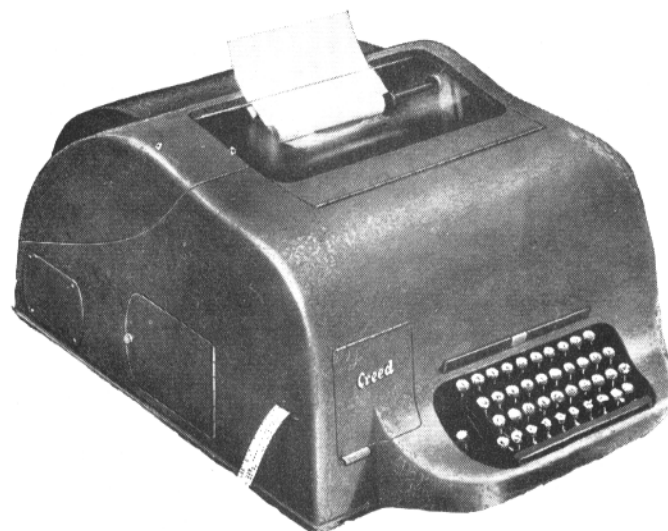
Time	Start	End
	February	February
EST	0300-20,	0300-21,
CST	0200-20,	0200-21,
MST	0100-20,	0100-21,
PST	0000-20,	0000-21,

### Explanation of Anniversary "SS" Contest Exchanges

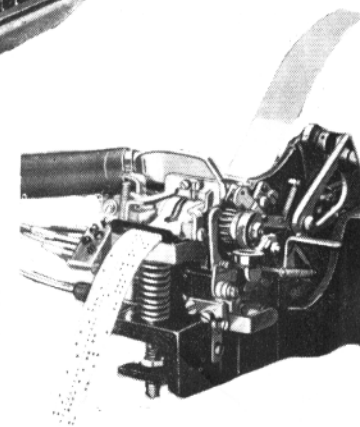
Send Like a Standard Msg.  
Preamble, NR etc.

	CALL	CK	PLACE	TIME	DATE	
Ex- changes	Contest info. Nrs 1, 2, 3, etc, for each station worked	Send your own call	CK (RST) report of stn. wrkd.	Your ARRI section	Send time of trans	Send date of QSO.
Sample	NR 1	W6AEE 589	L.A.	0600	Feb. 20	

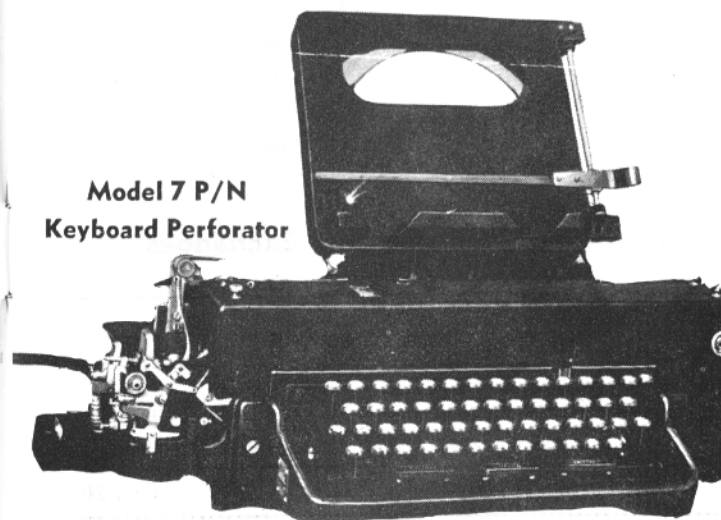
## 1954 CREED EQUIPMENT



Model 54  
Page Printer



Reperator  
Attachment

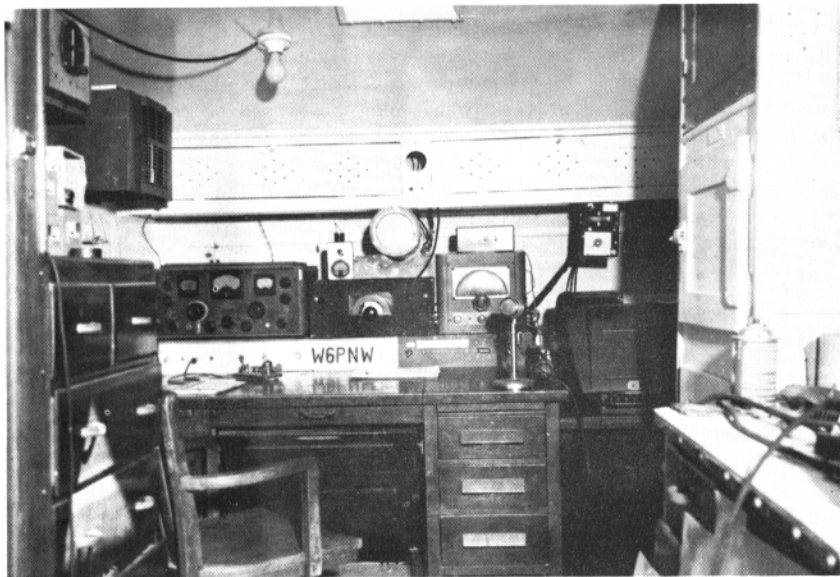


Model 7 P/N  
Keyboard Perforator



## AMATEUR RTTY STATION W6PNW

M. RAY REYNOLDS — Bellflower, California



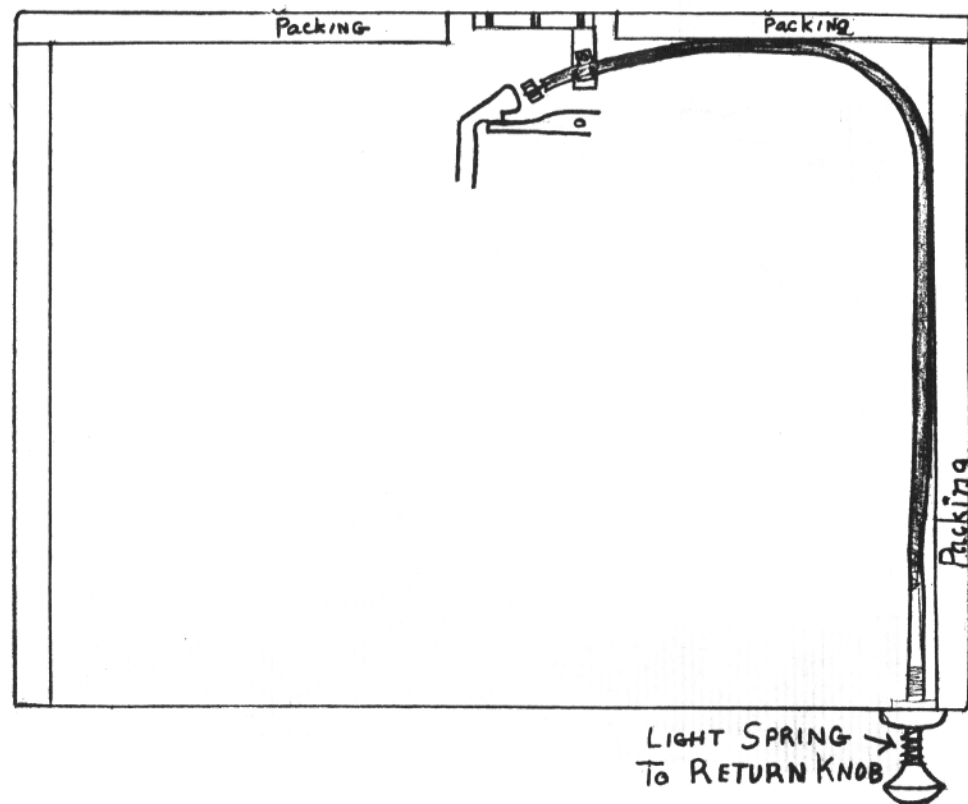
## FRONT PANEL RESET CONTROL FOR MODEL 26

HOMER DALE, K6EJM — San Jose, California

Just a few lines to tell you what the article, on the carriage return for the Model 26 did to put ideas in my mind. I wanted to have a control on the front of the printer and still have it simple. Well this is what I came up with. As you can see from the diagram all that is needed is a choke control like those used on a car, a small bracket, a spring

and a few bolts and nuts. Total time about one hour and expenses, 52 cents.

A Flex wire choke or throttle control like those used on cars. Flex wire was cut 15 inches long and the inner wire, one inch longer. A choke stop is used on the end of the wire to hit reset lever. Angle bracket sheath holder was made out of heavy gauge Aluminum.







"Am writing you this in regard to the model 21 and 25 tape printers. I recently purchased a model 25 and am interested in necessary information on how to get it to print. Although I had heard somewhere along the line that the 25 was a multiplex machine and would not work directly with other TT equipment. I figured that I shouldn't have any trouble getting it going as it has the five select-or magnets and sixth pulse magnet similar to the printer of the model 12."

—73 Ernie W6HWW

(Can any of the readers help Ernie out? Ed.)

**RYRYRYRYRY**

I recently was introduced to RTTY and being a former TTY repairman for Mother Bell, found no difficulty in liking RTTY. Thus fortified I proceeded to gather some information on the subject and found, like many others, that information of this type comes the hard way. I am therefore asking that my name be placed on your mailing list to receive your FB publication. W2PAV recommended that I ask in his name and perhaps you might look with favor on this request. Yours for better RTTY."

—Richard Urian, W3CRO

**RYRYRYRYRY**

"I am now the proud owner of an RCA TE-497-E keyer and so now hope to be able to work you on the low frequencies soon. I also have a new ART-13 and have an idea or-two regarding ways of feeding in the keyer signal into the ART-13 and hope it works. Sincerely,

—Bill W2DXD

(How did it work out, Bill? Ed.)

"I know the waiting list is long and don't know what I can do about it. I would like to get on the air as soon as possible and I am not a station that loses interest. Gee TTY is the first bit of ham radio that my girl has shown any interest in. I've just got to get on the air. Got to talk to Bennie up in Montreal also and TTY is the only thing that will get thru the QRM. CW won't."

—73 Art W7NVY

**RYRYRY..RY**

"Have acquired a 10-A reperforator and am negotiating for a 14 TD so if I can only find the time to put it all together, you will be hearing from me. Am going to try feeding my AFSK signals into my Multiphase 10-A SSB exciter (equipped with lowpass filter). Will feed this into my 4-250A final which I use on 75M."

—73 Al Waring, W2CFT

**RYRYRYRYRY**

Here are the numbers of patents taken from the Teletype 15K Typing Unit.

1,229,201	1,299,202	1,374,606
1,426,768	1,448,750	1,564,421
1,564,422	1,565,165	1,567,392
1,567,599	1,594,214	1,635,486
1,655,448	1,665,594	1,738,777
1,745,633	1,783,382	1,811,133
1,839,263	1,864,088	1,904,164

They may be of interest to some of the gang.

—73 O. D. Glenn, W2SDE

**RYRYRYRYRY**

"I will have about 500 watts when I get the transmitter portion of my RTTY stuff fixed. The converter is a modified version of the one W6OWP designed. I have a 26 printer with tape and perf and reper equipment."—73 Charles W6FEM

"Would it not be worth while to every year or so, to have an article on the mere problem of getting started out from scratch and acquiring equipment and getting on the air? As the state of the art progresses the text of such an article also has to change. Then if extra copies of this were printed, and possibly an extra one sent to each subscriber, who would be asked to pass it on to a very interested fellow ham, it might be that more devotees of the RTTY hobby might thereby develop. I have two friends around here for instance W2LXP, and W1TWN who have shown much interest, and such an issue—in fact any extra copies you could spare of any issue, I would be glad to pass on to them. When I get this binding worked out I will send you a short description for inclusion in RTTY if desired."

—John W2ANB

**RYRYRYRYRYRY**

"I have been trying to find the answer to a question for some time now. I have searched the technical literature at my disposal without any success. The question has to do with the audio type FSK converters versus the IF type. It seems that many of the military converters are of the IF type and I have been wondering if there is anything to be gained from their use. If there is a technical article covering this point just send me the name of the publication and the month and year. From the amateur standpoint I realize that it would be difficult to construct a discriminator transformer. What I am mostly interested in is a definite advantage in the use of the IF Type."

—Marshall W8LVT

**RYRYRYRYRY**

"Have been on 40 but very little on that band due to no good antenna and also in process of building up a new antenna coupler and a one KW final with a pair of 4-250 which I will use on RTTY and SSB. Work all the gang around here and up Detroit way and over on the east coast."

—73, Warren, W8IJV

"W7MCU told of his model 15, Viking II and having worked FSK with many of the Californians. W7JJK told of having set a Valley Amateur RTTY Station at the Western Washington State Fair. W7GQM reported on his ARC-5 two meter AFSK RTTY station. W7FKL, W7AIB, W7CCB, and W7HRC are also on the air with two meters. Art Paul W1EVW explained the enjoyment he had had on 40 mtr FSK. Having worked many Midwesterns, Californians as well as Alaska (KL7CK). W7QLG will have a KW on 80-40-20 very soon. W7FXD has a new National NC 108 (2 mtr) receiver and hopes to be on the air with AFSK soon. W7CØ and W7HRC modestly (?) told of many FSK contacts. Refreshments at 10:45 wound up the meeting."

—73 Wade W7HRC

**RYRYRYRYRY**

"Your illustrations of the Japanese and German printers were very interesting. Can you also show some Creed (British) equipment in future issues? I have heard that the Creed gear is considerably less complicated than the American Teletype equipment. Perhaps you have information as to where Creed equipment may be purchased. Kindest regards."

—Bruce Meyer WØHZR

**RYRYRYRYRYRY**

"I am a habitual low power enthusiast, including mobile, my 75 10 and 2 meter rigs run less than 3 watts input and they all work well. But for the sake of self defense, am getting the big rig fixed up. It is made by RCA, commercially known as an ET 8019 A, and in Navy lingo TDB, 2 813 in parallel, 2 to 22 mcs. VFO and 10 Xtal channels. Normally runs 1400 volts and 450 ma in marine use, so it should make a slight hole in the air down there. Basing my ideas on present performance with 45 watts."

—73 Don W7CO

"I have a fellow here in San Jose, Dr. Jack G. Vogelmann, W6CYJ who has become interested in "RTTY". He asked me to send you his name for the RTTY magazine. His address is;"

—Homer K6EJM

RYRYRYRYRY

"I really enjoy the little publications and everything I've built out of sketches and articles in the magazine has worked FB. In other words I like the stuff and it is all very practical instead of a lot of high handed theory that takes an engineer to decipher if you want to use it."

—73 es thanks, C. B. Dennis A/W6OGG

#### AIR TELETYPE

(Los Angeles Examiner, Dec. 22)

SAN GABRIEL, Dec. 21—San Gabriel and Pasadena headquarters today announced the first radio activated teletype hookup in the nation for use in emergencies.

The system, installed last week, will serve seven cities in Region Nine's Area C.

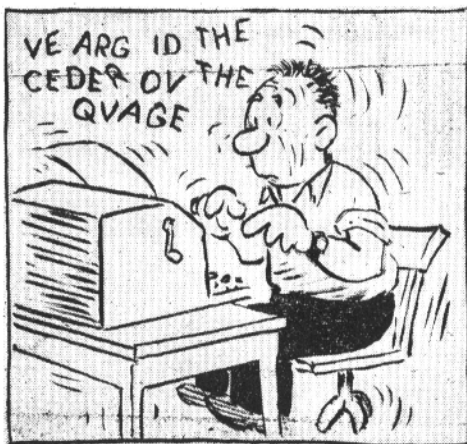
They include, besides San Gabriel and Pasadena, Glendale, South Pasadena, Alhambra, San Marino and Monterey Park.

"Radio Teletype machines," explained Civil Defense Director Carl E. Gruendler, have two advantages, independence of operation when telephone power is off and increased speed in sending messages."

Plans for the new system were revealed at a meeting last week of all CD directors in the area. The emergency system will pick up all CD radio messages when other means of communications are knocked out.

Manning the station will be Dr. Ellis F. Wallihan and Dr. Ralph B. March, members of UC's Citrus Experiment Station Staff.

### Things Were Shaking Hard Around Salt Lake



The following dispatch is printed exactly as it was received from the United Press Bureau in Salt Lake City:

ADD EAGTMQUAKE, X X X NO DAMAGE. IN SALT LAKE CITY, POLICE GEPORTED A GASM OF VALLS VOMPLAINING OF PROWLEGS AT TME TIME OF THE TREMOR. INVESTIGATION DISVLOSED ALL THE VALLS WEGE TME GESULT OF GESIDEMTS BEING AWAKEMED BX TME EAGTHQUAKE.

A VAB DRIVER NEAG A DOWMTOWN HOTEL TOLB POLICE HE LOOKED UP AMD SAW TME BULDING "WAVEG" BEFORE HE "DUG GIGHT OUT OF THEGE." TMERE WERE MO REVORTS OF DAMAGE IM UTAH. KW717A..

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RTTY is the Official Publication  
of the  
**RTTY Society**  
of Southern California

and is published for the benefit of all  
RTTY Amateurs and Experimenters  
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provided credit is given.

For Information Regarding the  
Society Contact the Following:

W6CLW—Ed Simmons  
W6AEE—Merrill Swan  
W6SCQ—Lewis Rogerson

For Traffic Net Information:  
W6FLW W6IZJ

For "RTTY" Information:  
W6CL W6DEO W6AEE



... The line up here is a Super-Pro with a 455 IF, the shifter is a RCA Type TE-497-E. The transmitter runs about 500 watts to coax fed doublet about 20 feet off the ground. The printer is a 26, name here is Art. And I have had just as much trouble getting on as anyone. de W7NVY.

\*\*\*\*\*

... Well you certainly keep it quiet until I got to the shop last Monday and the fellows told me about the new arrival. Sure glad to learn of the new son Homer. K6EJM de W6DOU Hayward California.

\*\*\*\*\*

How did my new tape come thru? Bought it in NYC about two months ago and Phil W2JAV has been making a system out of it. Just got it going. W6ADE es W2JAV de W2BDI.

\*\*\*\*\*

... W5ESV and W6AEE de W1BGW W5ESV Tulsa Okla W6AEE Pasadena Calif. de W1BGW Boston Mass roger and good evening Merrill. Was telling Mac that you said you wouldn't get on till late as you had ire biza. Printing both fine here this morning. But I gotta QRT as its too darn late here now for even a 26 Hi. Almost 1 a.m. So this will be my final ZMSN. Will get on earlier tho tomorrow night. So 73 Merrill and Mac and carry on. W5ESV W6AEE de W1BGW. GN boys and take it Mac.

... W5ESV Tulsa Okla de W1BGW Boston Mass. Roger Mac and fine. Outside of trouble from that BC station spilling over every now and then was getting good copy. Too late to run the reperf or would let you see what your copy looks like here. Am in an aptmt house and bedroom underneath. Hi. It's 12:35 a.m. here so gotta go easy. You are my 60th RTTY station worked OM. Have worked another station W5VJP or something but condx do didn't permit as good a QSO. Fine on your 304TL rig there Mac. Ok on Merrill Had an hour long QSO with him last night. Said he wouldn't get home till late tonight as had ire business to attend to. Rog here rig here running 3/4 KW at present to pair of 813S and 80 meter antenna. Printing on one of Merrills 26's RCVG on Collins 75A2 well I better QRT as its too late to be running a buz saw here at this hour of the morning Mac. Sure glad to have met you and hope to have more QSO's with you. Name here Jack. So 73 and TKS agn Mac. W5ESV Tulsa Oklahoma de W1BGW Boston Mass GN Mac.

\*\*\*\*\*

... W6BNB de W1BGW. Well I didn't do too hot that time due to heavy fone QRM. Got the last part OM Ok though. FB on your rig there and the 15 printer. Running a pair of 813S here at a KW input printing you on a 14 typing reperf. When I get better copy will give you a sample of it. Name here is Jack. Worked Merrill the other night on 40 for about an hour and today thought would see what can do on this band. You are my second contact on this band OM. First contact was with DL4RO about few weeks ago. Don't know how you are printing me. Hope that fone stays off.

\*\*\*\*\*

... W5RJG and W6ZNU de W2BDI Printing both of you, some QRM on ZNU. If he would QSY on top of you Arlan. W6ZNU QSY on top of Arlan. Have small tape of you Arlan and will feed back what I am getting here.

... W2BDI Merchantville N.J. de W1BGW Boston Mass. Roger and fine Ed. Put in my band pass filter and am getting good copy. Just had my terminal unit apart and got it back together this morning. Tuned up the filters a bit as they were getting too far off the freqs and now copying much better. During the contest I changed over the antenna from transmit to receive without first shutting off the rig and burned up the advance coax relay so was using hand switching but few days got this new price coax relay and its much better than the AC advance. But darned if I didn't almost cook it again this morning. Keep putting off putting a relay in my plate supply that will work with the antenna relay and this morning had the antenna on receive and power on. Took it apart and it was all carboned up but no signs of anything melting like in the advance job so its back in service again and still didn't do anything about plate supply relay. And didn't even pay for this one yet. Hi. Well the mini-beam is just as shiny as the day I bot it. Its still here in the shack. Did get a radiart TR4 rotator for it tho. Now all I need is the time and ambition. But am not in any hurry as twenty is practically dead when I get home from work nights and during weekends the band is loaded so who needs an antenna there anyway. OK on the traffic. Hi. Well seeing the net only meets once a week the only traffic that should be accepted is stuff that can be delivered by a net station when received either by phone or mail. Other than that its a waste of time. WX here very warm and muggy. Didn't do anything on 20 this morning. Well back to you Ed. W2BDI de W1BGW.

\* \* \* \*

... Oh yes, do you want me to send you a print of the Collins 706-A TU? If so, let me know, and if you find any band pass filters for input let me know, as I really need them for this Collins as it doesn't work too good as yet. de W5VJP Los Alamos N.M.

... Hi. It looks like it might have some possibilities for a guy who can't afford some good tape gear. I told him to write it up and send it to you as perhaps sometime when you were short of material it might make interesting reading for some of the novices like myself. At least I got to see how my lousy typing looks as it comes back in its natural form. When you play it back on your reperf it makes it look good but with his system I see all the pauses and all the flubs just as I made em. Hi.

\* \* \* \*

... W1BGW es W8ZM de W6AEE good evening lads. Don't have much time but wanted to let you know that you are FB copy out here. QRX ONE. "W1BGW de W8ZM Hi there Jack and copy you swell. Nice signals and guess you are right." See what I mean? Very FB for this time of night so won't hold it, back to you Jack. And many thanks for letting me in.

\* \* \* \*

... Well Bruce, this ARC-4 sure blew the filters Hi. Goo all over the place. I never saw a filter go so fast, and spill so much goo. Well back to you now Bruce and how did the tape stack up with your printing there? W6SZO de W6SCQ.

\* \* \* \*

... "By the way, heard a good one for RTTY on the Milton Berle Show a day or so ago. He mentioned some using the continental system of typing. Hunting the keys and then landing on it ... or something like that." W2BDI de W5RJG.

\* \* \* \*

... Sure swell to have both issues of RTTY come out close together like that. Was like a birthday present here. We have been having some trouble with the East Coast RTNET, even at Seven the skip gets bad and we get lost. de W2BDI.

## Traffic Net News

By EMILE DUVAL, W6FLW

The RTTY Society of Southern California Net operates every Tuesday evening at 8:00 p. m. on 147.85 mc.

### ACTIVITY FOR THE MONTH OF DECEMBER, 1954

Dec. 7—W6IZJ, N. C.—24 Checkins

W6AFX	W6NWM
W6CAP	W6NV
W6CG	W6PNW
W6CKS	W6RL
W6EGZ	W6SCK
W6EU	W6SCQ
W6KJO	W6TLO
W6IAL	W6WYH
W6IIV	W6ZBU
W6IZJ	W6NUY
W6JAU	W6CND
W6NAT	W6LSG

Dec. 14—W6CG, N. C.—

W6AEE	W6IZJ
W6AFX	W6JAU
W6BWQ	W6KJO
W6CAP	W6MQP
W6CG	W6NAT
W6CK	W6NCP
W6CKS	W6NV
W6CLW	W6NUY
W6DNJ	W6SCK
W6EV	W6SCQ
W6FLW	W6TLO
W6IAL	W6WYH
W6IEU	W6ZBU

Dec. 21—W6CG, N. C.—26 Checkins

W6AEE	W6KJO
W6CAP	WW6KMT
W6CG	W6LGO
W6CKS	W6NAT
W6CND	W6NCP
W6CLW	W6NUY
W6CMQ	W6RL
W6EGZ	W6SCK
W6EV	W6SCQ
W6FLW	W6TLO
W6IAL	W6WYH
W6IIV	W6ZBH
W6IZJ	

Dec. 28—W6SCQ, N. C.—24 Checkins

W6AEE	W6IIV
W6AFX	W6ILW
W6BGE	W6IZJ
W6CG	W6JAU
W6CK	W6KJO
W6CGN	W6LGO
W6CKS	W6NAT
W6CYR	W6NCP
W6EGZ	W6RL
W6FLW	W6SCQ
K6HJB	W6WYH
W6IAL	W6ZBV

## East Coast Traffic Net

The East Coast RTNET meets regularly on Wednesdays at 8:00 p. m. on 3620 kcs. At present approximately twelve to fifteen have been checking in and taking part in the handling of traffic.

The Mid Western RTNET also meets on Wednesday at 7:00 p. m. on 3630 kcs. from information received by RTTY. 10 to 15 stations have reported in during the last few weeks.

Arrangements have been made between W3PYW and W9TCJ to take care of any traffic originating in either RTNET with destination in the other RTNET. In half an hour after start of RTNET work, contact will be made between W3PYW and W9TCJ in respect to traffic on hand and then will relay on any traffic afterwards into their respective RTNETS.

## ART OFF THE FLOOR

MERRY CHRISTMAS HAPPY NEW YEAR MERRY CHRISTMAS HAPPY NEW YEAR  
HAPPY NEW YEAR MERRY CHRISTMAS HAPPY NEW YEAR MERRY CHRISTMAS

FROM

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000 000 0000000 0000000 00 000 000000
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MERRY CHRISTMAS HAPPY NEW YEAR FROM ME TO YOU AT THIS CHRISTMAS SEASON  
1954