Dear RTTY Members:

To our several thousand enthusiastic Amateur Radioteleprinters and Radioteletype members this is a historic occasion. Yes, fellers, we have an ANNIVERSARY! Ten years ago the very first FSK Radioteleprinters by amateurs were successfully demonstrated, followed within the week by the establishment of the first station in the AF SK network, now comprising hundreds of members. In those "dark" days our difficulties in building up a pioneer group were many and varied. From one extreme, where the commercial companies would not release any of the precious equipment, to the other where they offered them in hundred lots and we lost them for lack of "takers", the going was really rugged. Today, with your headquarters organization looking back on ten years of accomplishment, with procurement agreements with just about every wire and news service and most railroads, having superseded teleprinter gear for disposal, we can hold up our heads and puff out our chests and feel, without boasting, that we have done a job. From the two Model 12 printers with which John Williams, W2BFD, pioneered our hobby, to the 3000-odd printer-equipped stations now in existence (to say nothing of the several thousand pieces of tape equipment and other accessories for Radioteleprinters and Radioteletype which the Society has "liberated" for its members) it is fairly safe to say that we look forward to an expansion limited only by future availability of equipment.

Last you begin to suspect that we are exclusively patting the backs of the Old Timers, such as the founder, W2BFD, and early teleprinters W2GFT, W2ZRF, W2BDA, W2PCD, W2MJJ, W2AUF and a host of others, in all fairness it must be realized that, with the exception of the several states close to New York, the balance of the country was unaware of the trend amateur radio was taking until the publication of the now-classical article in October, 1943, QST. Early in 1949 the first big influx of new members started pouring in, with printer stations setting up in every corner of the country. With the expansion came many helping hands, amateurs who were also willing to ungrudgingly give up their spare time to further the "cause". Notable among these have been W2NSD, W2EBZ, W6AEE, W2JTP, W9BP, W9HRZ, W3PYW, W4JCY, W2JAV, W3LMC, W9GRW, W1WB, W1EVZ, W2QGH and so many others that we can't begin to list them here. These progressive and public-spirited amateurs have given generously of their time in such things as writing articles and RTTY columns, providing lectures and demonstrations, establishing local and regional clubs and RTTY Societies to ease the burden of the National Organization, developing new terminal units and techniques (W9TCJ and W9HRZ have been outstanding in this respect) and aiding the Society in its campaign for the present low-frequency band privileges we now hold. RTTY headquarters looks forward with anticipation to a future with a lessening burden, wherein an increasing quantity of the teleprinters equipment secured by the National Society will be placed in amateur hands through the intervention of the various local, regional and statewide groups and clubs.

To mark and commemmorate the ten successful years your Society has weathered, an arrangement has been worked out with several of the larger companies supplying amateur RTTY needs, to furnish perforated-tape sending
THE FOLLOWING ITEMS ARE BEING OFFERED BY SEVERAL OF THE COMMUNICATIONS COMPANIES TO RADIOTELETYPY AMATEURS THROUGH THE NATIONAL SOCIETY. THIS MATERIAL IS IN ADDITION TO THE EQUIPMENT TABULATED IN THE "DIRECTORY OF OBTAINABLE EQUIPMENT", COPIES OF WHICH MAY BE HAD BY MAILING A STAMPED SELF-ADDRESSED ENVELOPE TO RTTY HEADQUARTERS IN WOODSIDE, N.Y.

UNLIKE ITEMS IN THE "DIRECTORY", THE MATERIAL OFFERED HERE IS TO BE RELEASED ALL-AT-ONCE. PAYMENT SHOULD BE IN THE FORM OF A U.S. POSTAL MONEY-ORDER IF POSSIBLE. IF YOU HAVE NOT, AT ANY PREVIOUS TIME, FURNISHED A PROPERLY-EXECUTED COPY OF THE "WAIVER OF COMMERCIAL INTENT" DOCUMENT REQUEST A "WAIVER" FORK WHEN FORWARDING PAYMENT. REQUESTS ARE HONORED IN THE ORDER THEY ARE RECEIVED. LATE-COMERS WILL HAVE THEIR PAYMENTS REFUNDED. THIS "WINDFALL" BULLETIN-LETTER, AS MOST PREVIOUS ONES, IS BEING MAILED SIMULTANEOUSLY TO ALL RTTY-FAX MEMBERS. WHENEVER LARGE "WINDFALLS" ARE ANNOUNCED BY THE SOCIETY OUR FACILITIES ARE TIED UP BY THE MAD SCRAMBLE FOR SEVERAL WEEKS. DURING THIS PERIOD ONLY "EMERGENCY" CORRESPONDENCE CAN BE ANSWERED UNTIL ALL OF THE REQUESTS HAVE BEEN TAKEN CARE OF. PLEASE AID THE RTTY STAFF BY AVOIDING CORRESPONDENCE REQUIRING REPLIES. THE LATEST ADDITION TO THE "DIRECTORY" IS ENCLODED HEREWITH.

81 MODEL 26 PRINTERS WITH PERFORATED-TAPE SENDING UNITS

THESE 81 MACHINES ARE BEING RELEASED FROM 3 SCATTERED LOCATIONS. EACH CONSISTS OF TYPING-UNIT, KEYBOARD, COVER, SPECIAL MODEL 26 TABLE AND TAPE-SENDING UNIT. THE $93 COST TO RTTY MEMBERS IS SUBSTANTIALLY LESS THAN ANY PREVIOUSLY-AVAILABLE MODEL 26 MACHINES AND PERFORATED-TAPE UNITS OFFERED SEPARATELY. THIS PRICE TO US INCLUDES PACKING THE DELICATE MACHINES IN STOUT WOODEN CASES. ALTHOUGH, AS HAS BEEN STANDARD PRACTICE, THE COMMERCIALS CLAIM THEY ARE DISPOSING OF THE EQUIPMENT ON AN "AS IS" BASIS, THESE MACHINES HAVE BEEN CONSISTENTLY COMING THROUGH IN A-1 CONDITION AND, QUITE FREQUENTLY, IN ALMOST NEW APPEARANCE.

14 RECEIVING-ONLY MODEL 26 PRINTERS

IN PLACE OF KEYBOARDS THESE MACHINES ARE EQUIPPED WITH "BASES" CONSISTING OF EMPTY CASTINGS AND NO TAPE UNIT IS SUPPLIED. SOCIETY COST IS $56 FOR TYPING-UNIT, BASE, COVER, TABLE AND CRATING.

62 MODEL 14 TAPE PRINTERS

THESE KEYBOARD-EQUIPPED TAPE PRINTERS ARE OF SINGLE-MAGNET CONSTRUCTION AND VERY USEFUL TO THE DX-HUNTING RTTY AMATEUR AS THEY CANNOT OVERLINE OR "PILEUP" AS PAGE PRINTERS DO DURING SIGNAL FADEOUT. THEY ARE MOST IN DEMAND NOW FOR AMATEUR MODIFICATION TO TYPING-REPERFORATORS, WHERE EITHER INCOMING SIGNALS OR LOCAL TYPING NOT ONLY PRINTS ON THE TAPE IN INK BUT ALSO REPERFORATES SIMULTANEOUSLY SO THAT MESSAGE TRAFFIC CAN BE STORED. A PICTURE OF THIS PRINTER WILL APPEAR IN BYRON'S RTTY COLUMN ON PAGE 74 OF AUGUST 1956 "QC" MAGAZINE. PRINTERS CONSIST OF TYPING-UNIT, KEYBOARD AND COVER. FURNISHED WITH AC MOTORS, AS ARE THE MODEL 26 MACHINES MENTIONED ABOVE. PRINTER PLUS PACKING COSTS $69.
19 MORKRUM-KLEINSCHMIDT TAPE-DISTRIBUTORS

THese POPULAR UNITS CONTAIN BOTH SENDING AND RECEIVING DISTRIBUTORS FOR PERFORATED-TAPE CONTAINED IN A COMMON HOUSING, AND WITH COMMON MOTOR. TWO DIAGRAMS, SHOWING BOTH THE SENDING AND THE RECEIVING PORTIONS SEPARATELY, WILL APPEAR ON PAGE 74 OF "CQ" FOR AUGUST 1956. COST TO THE SOCIETY, AND TO ALL RTTY AMATEURS, $30, WHICH INCLUDES PACKING.

34 SEND-RECEIVE FACSIMILE MACHINES

THese Combined Transmitting and receiving FAX MACHINES ARE DESCRIBED IN GREATER DETAIL IN THE "ADDITIONS TO THE DIRECTORY" PAGE INCLUDED WITH THIS BULLETIN-LETTER. THese 34 MACHINES ARE AVAILABLE TO US FOR $94, WHICH INCLUDES PACKING.

15 MODEL 14, 14-A, 14-B, 14-C PERFORATED TAPE TRANSMITTERS

MINOR VARIATIONS AMONG UNITS ACCORDING TO THE SUFFIX-LETTERS (NO CHOICE). COST TO US AND OUR MEMBERS $22.50, INCLUDING PACKING FEE.

112 CARTONS TELEDILOGS ROLL-PAPER

THIS VOLTAGE-SENSITIVE FACSIMILE AND CHART PAPER IS DESCRIBED MORE THOROUGHLY IN THE "ADDITIONS TO THE DIRECTORY" PAGE INCLUDED WITH THIS BULLETIN-LETTER. $7 PER CARTON. AS AN ACCOMMODATION FOR ITS MEMBERS THE SOCIETY WILL PURCHASE A FEW CARTONS OF THIS PAPER TO SPLIT INTO LESS-TAN-CARTON QUANTITIES. UNDER THESE CIRCUMSTANCES IT WILL BE $1 PER ROLL, MINIMUM OF TWO ROLLS. RAILWAY EXPRESS SHIPMENTS ONLY.

14 MODEL 101 AND 102 PRINTERS

THese KEYBOARD PAGE PRINTERS ARE OF THE COMPACT SINGLE-MAGNET VARIETY AND COME FURNISHED WITH AC SYNCHRONOUS MOTORS. PRINTER CONSISTS OF TYPING UNIT, KEYBOARD AND COVER, WHICH IS EITHER CRACKLE-FINISH STEEL OR SMOOTH PLASTIC-MOLDED. COST TO US $56, INCLUDING PACKING FEE.

R E M I N D E R S !

DON'T FAIL TO ENTER THE ANNIVERSARY CONTEST, DESCRIBED ELSEWHERE IN THIS LETTER. VALUABLE PRIZES ARE TO BE AWARDED. GET YOUR SHARE.

GET YOUR REQUEST AND $2 PAYMENT IN FOR THE ONLY REPRINT OF THE PIONEER RTTY BULLETIN MANUAL PLANNED. THE MANUAL IS ALL READY FOR THE PRINTING PRESS AND WE WILL ONLY HAVE ENOUGH COPIES PRINTED TO TAKE CARE OF YOUR REQUESTS SO IT'S A CASE OF "NOW OR NEVER".

THE "WINDFALL" RELEASES OF EQUIPMENT, SUCH AS THIS LIST, ARE ALSO ONE-SHOT DEALS. NO USE CRYING TO RTTY HEADQUARTERS ABOUT LONG WAITING LISTS IF YOU FAIL TO ACT WHILE THE MATERIAL IS STILL AVAILABLE.

MAIL THIS LIST, WITH THE ITEMS YOU DESIRE ENCIRCLED, IN PLACE OF A LETTER OF REQUEST. THE OVERWORKED HEADQUARTERS GANG WILL LOVE YOU FOR IT AND YOU WILL GET PROMPTER SERVICE AS A RESULT OF THE EASING OF THE BURDEN.

-----10 YEARS OF AMATEUR RADIO TELETYPE-----

"K E E P ' E M P R I N T I N G ! "
## Additions to the "Directory of Obtainable Equipment"

<table>
<thead>
<tr>
<th>Description of Apparatus</th>
<th>Price to US</th>
<th>Packing Charges</th>
<th>Item Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stroboscopic Test Sets. Displays all 7 TELEPRINT PULSES (EITHER SENT OR RECEIVED) as a glowing display. Surrounding the display is a graduated scale, marked off in seven segments, each representing one of the pulses of a TELEPRINT character. Each segment is sub-divided into one hundred parts, each representing one percent of a pulse. Distortion of printer signals, both incoming and outgoing, can be seen instantly with this instrument.</td>
<td>$25</td>
<td>$2</td>
<td>274</td>
</tr>
<tr>
<td>Model 26 and 26-A perforated-tape distributors with cam-type distributor mechanism and synchronous motors. May also be modified to act as signal regenerator. Contains four telegraph relays.</td>
<td>$20</td>
<td>$1</td>
<td>275</td>
</tr>
<tr>
<td>Reperforator selector unit. Synchronous Motor-Driven Switch. Equivalent of a 50-position, single-pole switch rotating at 30 R.P.M.</td>
<td>$20</td>
<td>$1</td>
<td>276</td>
</tr>
<tr>
<td>Storing Transmitters. A mechanical &quot;memory&quot; for teletype characters. Will store over 90 characters. When used in place of tape-transmitter can be fed test messages or calls from the local keyboard and can resend them repeatedly. Also allows operator to type in &quot;Spupts&quot; while machine sends at a uniform rate to the radio circuit. Consists of a beautifully-machined large diameter steel drum with axis vertical. Cylindrical surface of drum contains 6 rows of holes, 92 per row. Polished steel pins set into these holes have only two positions (in or out). A step-by-step &quot;traveller&quot; is indexed around inside the drum, one step for each character received from local keyboard or other teletypewriter apparatus. In each position code pins are either pushed outward or left alone by a plunger actuated by a selector-magnet system (similar to a teletypewriter). Outside the drum is a second &quot;traveller&quot;, likewise indexed step-by-step, but in this case moves at a constant teletype sending-speed rate. A set of six contacts on the &quot;traveller&quot; are closed or opened by the code pins encountered. As the &quot;traveller&quot; passes, and sends the code stored in the set of six pins it restores the pins to the spacing (inward) position. This feature can be removed if repetitive sending is desired. Used identically with 5 or 6-unit code. On five-unit code sixth row of pins is ignored. Useful whenever an electromechanical &quot;memory&quot; is needed. An entire &quot;program&quot; may be set up in the steel pins (which may be set manually with a finger touch) which will be faithfully followed. Input (storage) speed up to 200 W.P.M. and output at teletype sending speed. Contact circuit included to light lamp if operator overtakes machine. Most of these units obtained new or near-new.</td>
<td>$25</td>
<td>$3</td>
<td>277</td>
</tr>
<tr>
<td>Polarized relay, miniature, plug-in, has two operating windings of 500 ohms and 3 ohms. Plastic or celluloid dust covers. Single-pole, double-throat contacts. Sensitive.</td>
<td>$4</td>
<td>INCLUDE POSTAGE</td>
<td>278</td>
</tr>
<tr>
<td>Polarized relay, similar to above but has single 150-ohm winding.</td>
<td>$4</td>
<td>INCLUDE POSTAGE</td>
<td>279</td>
</tr>
<tr>
<td>DESCRIPTION OF APPARATUS</td>
<td>PRICE</td>
<td>PACKING TO US</td>
<td>CHARGES</td>
</tr>
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<tr>
<td>SMALL FACSIMILE COMBINED TRANSMITTING AND RECEIVING INSTRUMENT. THESE UNITS DIFFER FROM ITEMS 133, 134, 135, AND 136 IN SEVERAL IMPORTANT RESPECTS. THESE HAVE THE SENDING AND RECEIVING MECHANISM COMBINED SO SAME MACHINE SERVES BOTH FUNCTIONS, THE OSCILLATORS AND FACSIMILE TONE AMPLIFIERS ARE SELF-CONTAINED, ALONG ITS POWER SUPPLY, ALL CONTROL RELAYS AND TWO SYNCHRONOUS MOTORS, ONE FOR DRUM ROTATION AND THE OTHER FOR FEED MECHANISM. AS WITH ALL WIRE-LINE WIRE-FOTO EQUIPMENT, THESE UNITS ARE EQUIPPED FOR SENDING AND RECEIVING AN AMPLITUDE-MODULATED TONE, RATHER THAN FREQUENCY-SHIFT. COMMERCIAL PRACTICE IS TO RECTIFY THIS A.C. TONE AND THE RESULTING VARYING D.C. IS APPLIED TO REACTANCE TUBE, OR OTHER, FREQUENCY MODULATOR FOR STANDARD FSK TRANSMISSION OF FAX. MOST OF THESE UNITS RECEIVED COMPLETE. SOME FEW ARE RECEIVED WITH MINOR HARDWARE MISSING. COME WITH TUBES. OPERATION FROM 110 V. 60 CYCLES.</td>
<td>$92</td>
<td>$2</td>
<td>280</td>
</tr>
<tr>
<td>TELEDELTA PAPER. BRAND NEW 5-INCH DIAMETER ROLLS OF FACSIMILE PAPER. PACKED 12 ROLLS TO A CARTON. USEFUL FOR FAX AND ALSO FOR RECOROING INSTRUMENT CHARTS. THE SURFACE OF THIS PAPER SLACKENS TO A DEGREE PROPORTIONAL TO THE DEGREE TO WHICH IT IS APPLIED TO A NEEDLE-POINT WIRE PLACED IN CONTACT WITH IT. DRUM OR CYLINDER ON WHICH PAPER PASSES SHOULD BE GROUNDED METAL FOR THE REMAINING ELECTRODE. SPEED OF SLACKENING EFFECT SUFFICIENT TO FOLLOW AUDIO MODULATION AND IS USEFUL IN OSCILLOGRAPHIC WORK WHERE A PERMANENT RECORD, WITHOUT RESORTING TO PHOTOGRAPHIC DARK-ROOM DEVELOPING, IS DESIRED. WILL REPRODUCE HALF-TONE SHADING.</td>
<td>$7</td>
<td>NONE</td>
<td>281</td>
</tr>
<tr>
<td>30-50 MC TELEPHONE COMPANY COMPLETE MOBILE TWO-WAY RADIO INSTALLATIONS. TRANSMITTER FINAL-STAGE INPUT ABOUT 70-75 WATTS. RECEIVER DOUBLE CONVERSION JOB WITH 1/4 MICROVOLT SENSITIVITY. INSTALLATION COMES COMPLETE WITH ALL CABLES (PLUG-IN, NO WIRING REQUIRED), TRANSMITTER, RECEIVER, POWER UNIT, DASHBOARD CONTROL UNIT, HANDSET WITH HANGER, ANTENNA SPRING-MOUNTING ETC. REMOVED IN OPERATING CONDITION FROM PHONE-COMPANIES' CUSTOMER'S VEHICLES. ALTHOUGH NOMINALLY 30-50 MC THEY HAVE ENOUGH OVERLAP SO THAT THEY WILL GENERALLY COVER (1) ALL OF SIX METER BAND IN ADDITION (2) MOST OF TEN METER BAND (3) ABOUT HALF OF EACH BAND. CRYSTALS NOT FURNISHED. VERY EFFECTIVE NOISE-SQUELCH CIRCUIT BUILT IN.</td>
<td>$100</td>
<td>NONE</td>
<td>282</td>
</tr>
<tr>
<td>30-50 MC TELEPHONE COMPANY BASE-STATIONS. FOR TWO-WAY COMMUNICATION WITH THE ABOVE MOBILE UNITS. CONTAINED IN 5-1/2 FOOT HIGH BACK-CABINET HAVING FRONT AND REAR LOCKING DOORS. 125 WATT FINAL INPUT. BUILT-IN METER-SWITCHING ON TRANSMITTER CHASSIS (WITH METER). IN ADDITION FINAL PLATE CURRENT AND PLATE VOLTAGE INDICATED ON TWO LARGER METERS ON UPPER FRONT OF CABINET, VISIBLE WITH DOORS LOCKED. RECEIVER 1/4 MICROVOLT SENSITIVITY WITH BUILT IN AC POWER SUPPLY AND BALANCED &quot;SQUELCH&quot; CIRCUIT, SENSITIVE TO WEAK SIGNAL IN THE PRESENCE OF POWERFUL NOISE. 6 AND 10 METER COVERAGE SAME AS FOR MOBILE SETS. CRYSTALS ARE NOT FURNISHED.</td>
<td>$160</td>
<td>$10</td>
<td>283</td>
</tr>
</tbody>
</table>
units with all page and tape style transmitting printers. Until recently the supply of these tape units was insufficient to take care of all who wanted them and, disagreeable though the task was, we have been forced to channel such equipment to stations ready to put the gear on the air. Delays in procurement of tape equipment ran from several weeks to a couple of months. The situation is now very much improved, as we have said, and members hereafter will save substantially in time and expense by this new policy of the Society.

Because the great majority of our members entered RTTY after 1949 and, thus, have no direct knowledge of the struggles of the "Jingle-Bell gang" in its efforts to establish the technical standards which we accept so matter-of-factly today, and because we feel that many of the early publications of the Society will be of general interest to Facsimile and Radioteletype fans to become familiar with the early background of their hobby, it has been decided to run off a limited edition of these many early bulletins. Many of the earlier ones, dating as far back as 1946, and some as recent as 1950 were stored in hours-long rolls of perforated teletype tape. These are to be run off by offset printing in manual form. Copies of these "collectors' items" are available to radio amateurs for $2 each. Payment should be in the form of a postal money-order mailed to Woodside headquarters of the Society. It is only planned to print a single lot. Remember! The quantity ordered from the printer will be determined by the number of requests received. How complete is your library of RTTY publications?

In keeping with the ANNIVERSARY spirit, and to emphasize the progress that has been made in the past decade, your Society will award a Model 26 or 26-A perforated-tape distributor for the best photograph of an Amateur Radioteletype station. Second, third, fourth and fifth prizes, consisting of electronic timers and polarized relays, will also be awarded. Another similar set of five prizes will be awarded for writeups, accompanied by circuit diagrams, of new ideas in FSK and AFSK exciters, terminal units, receiving converters and frequency-meters, in fact anything associated with RTTY improvement will be given consideration. So that summer vacations do not cost any of you your chance to compete in this ANNIVERSARY CONTEST, the judging will not take place until October 10th, 1956 but try to get your entry in as early as possible. Photographs and material submitted become the property of the Society for publication in its bulletins. No entries should be offered that appeared in print previously or that are to be offered for publication elsewhere. Station photograph should be 8 X 10 enlargements if possible. They need not be elaborate, in fact we are trying to show that RTTY is practical even for the newly-licensed amateur. How would you like to see your station used as a cover illustration, with your call-letters prominently displayed? If you like include the OM in the picture too.

AMATEUR RADIOTELETYPE SOCIETY
V. H. F. TELETYPE SOCIETY
38-06 61st Street
Woodside 77, N. Y.

POSTMASTER: Form 3547 Requested

W8DBR  F  JOHN I. SHEETS  
4237 LARKSPUR LANE  
WARRENSVILLE HTS 28,  
(CLEVELAND) OHIO