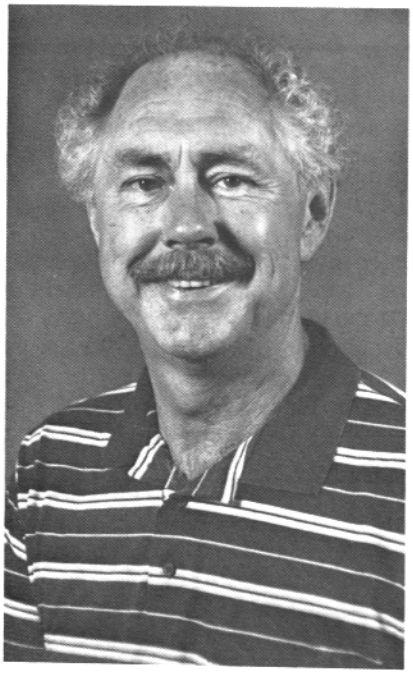
RTTY JOURNAL

Price $1.50

AMATEUR RADIOTELETYPE - COMPUTERS - PACKET

VOLUME 34 NUMBER 6

JULY/ AUGUST 1986



Dale Sinner
W6IWO

THIS ISSUE

MSO'S - DX NEWS - WSRY AWARD

HITS & MISSES - PM-1 REVIEW

SARTG CONTEST INFORMATION

AND MUCH, MUCH MORE

HELP ME KEEP THE JOURNAL ALIVE. SEND ME A REVIEW OR AN ARTICLE ABOUT YOUR FAVORITE DIGITAL SUBJECT. I'M OUT TO PLEASE YOU. IF I SLIP, PLEASE LET ME KNOW. MY INTRO. ON PAGE 5

RADIO STATION W6IWO

RTTY JOURNAL
Dale S. Sinner, W6IWO
OWNER - EDITOR - PUBLISHER
ALL CORRESPONDENCE TO :
9085 La Casita Ave.
Fountain Valley, Ca 92708
TELE: 714-847-5058

SUBSCRIPTION RATES

USA	$10.00 per yr.
CANADA/MEXICO surf	$10.00 per yr.
CANADA/MEXICO air	$12.00 per yr.
FOREIGN surf	$10.00 per yr.
FOREIGN air	$15.00 per yr.

All monies in U. S. currency only

POSTMASTER : The RTTY JOURNAL (USPS 391850) is published monthly except May/Jun and
Jul/Aug issues which are combined for $10.00 per year by RTTY JOURNAL, 9085 La Casita Ave., Fountain Valley, Ca., 92708. Second class postage paid at Santa Ana, Ca. and additional mailing offices. ISSN 0033 - 7161
Postmaster : Send address changes to RTTY JOURNAL, 9085 La Casita Ave., Fountain Valley,
Ca., 92708.

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57702

MSO'S

Hi Gang! I hope that summer weather and activities aren't taking so much of your time you aren't able to bang the ol' keyboard once in a while at least. Seems like fishing, camping, and mowing the lawn exhibits some priority over RTTY and MSO's each year about this time !

I'd like to take this opportunity to wish Dee Crumpton, N6ELP, all of the luck in the world in her new endeavors, after a long stint as owner / publisher of the RTTY Journal! It's certainly been my pleasure to work with Dee over the years, and of course doubly pleasurable in seeing her each year at the Dayton HAMVENTION. Good luck Dee, and drop in on the MSO's from time to time.

DAYTON HAMVENTION : Once again the Dayton HAMVENTION came to pass, and a good show it was. Gaylord, WB8ICL, ordered up some absolutely fantastic weather for the convention, which was appreciated by all attending. Unless you've experienced Hara Arena when it's raining, you have no idea how crowded a building can get. The flea market is deserted for dryer climes, and one immediately understands how a sardine feels! But, this year the weather was perfect, and one could roam the flea market and get his sun-tan at the same time.

Although there were not a lot of new items shown this year by the major manufacturers, Hal Communications Corp. did present two new items that will interest many who specialize in the digital communications area. The new HAL DS-3200 system will encompass a IBM "XT" look - a - like computer, providing not only RTTY, (the greatly popular PCI-2000), but CW and ASCII modes. And, follow-on options for both Packet radio and AMTOR have been promised, as plug-in boards. As of this writing, a MSO program is being written by a private party, which will provide all of the popular MSO features. Not only will the operator have all of the features listed above, but now also have the computing power of the "XT"! Now that's what I call a real addition to the Ham Shack.

Also, Hal Communications will soon have available their new RMX - 3100 Radio Multiplexer, which will allow further enhancement of the MSO / MPT3100 System. It provides for dual use of the MSO/MPT, by allowing access such as, HF to VHF, RTTY to Packet, RTTY to AMTOR, (or vice-versa), and multi- band/ mode/ code/ speed combinations! Microprocesssor based, this very sophisticated device will greatly enhance the use of the MSO from different modes and speeds. With the increasaingly popular use of Packet radio, here's the way to interface your MSO/MPT-3100 to both RTTY and Packet at the same time.

The RTTY Symposium was well attended again this year, with several good speakers including Bill Henry, K9GWT, Dale Sinner, W6IWO, Jerry Trichter, WA1IUF, Roy Gould, KT1N, and Dee Crumptom, N6ELP. Operating practices, MSO utilization, "do's and don't", RTTY equipment uses and limitations, RTTY DX, and the "RTTY Journal" were subjects. And, Chief of the O-Wha-tah Tribe, (Jerry, WA1IUF), presented Bill Henry with a well deserved plaque for his service in the RTTY area over the years.

RTTY DINNER : This years RTTY dinner was the best yet, attended by over 55 guys and gals! Dee Crumpton, N6ELP hosted this years dinner, and it was held in the Crown Room at the Imperial House North. (cont. pg 4)

If you like this issue and the way we are going, please tell others about the RTTY Journal. I'd like to increase our numbers and then maybe add more pages to the Journal. On page 11 you will find an order form, why send it to a friend.
Thank you very much.

(MSO's cont.) In fact, extra tables and chairs were needed to accomodate an overflow crowd! Everyone had a very nice time, and we enjoyed some short speeches by Bill Henry, (Hal Communications), Dale Sinner, (RTTY Journal), Bill Snyder, (W0LHS, DX Editor, World Radio), John Johnson, (Chief, Private Radio Bureau, FCC), and others. It was especially nice to see some old friends like Tony Toulis, KI4X, (who promptly initiated all attending into the prestigious "Red Neck Society", Dennis Waters, WB0TAX, (who by the way flew all the way from West Germany to be there!), Don and Ruth Gallagher, K8WZX, Don and Kathy Knollinger, WB8ZTV/N8EDL, Jay and Joan Dyer, WB8ZTY, Doug Horner, W8PH, Frank Bascomb, K4KOZ, Gaylord and Louise Crawley, WB8ICL/WB8JIB, and a host of others. Jerry, WA1IUF, will be hosting the RTTY Dinner next year, and we'd like to see YOU there!

MSO TECHNICAL INFO: The new Kenwood TS-440S Transceiver is especially adaptable to use on RTTY and in MSO service. Although some of the advertising relative to this transceiver seems to indicate that it has true "FSK" circuits, the two RTTY ports on the back of the rig are more truthfully labeled "AFSK INPUT", and "AFSK OUTPUT". AFSK Input is for afsk tone inputs, (to drive the transmitter), and AFSK Output is demodulated receiver audio to drive your RTTY demodulator. Frequency stability is excellent, and when coupled with a very well cooled transmitter, (100 watts output continuously for over one hour), you can see that MSO service is easily obtained. The rig has 100 memories, (frequency, band and mode), and allows the operator to select the CW filter in the "FSK" mode. Ten hertz digital readout, continuous frequency transmit capability, (receiver as well of course), and reduced VFO tuning rate, are all diode-programmable, which greatly increases the flexability of the rig. What more could a fella ask?

MSO RAMBLINGS: Visitors to the National Autostart Frequency, ("mark" is 14.087 625 hz), may find some of the MSO's in an inactive status, for a variety of reasons. John, TG9VT is off on an Asian tour with his family, and should be back in Guatemala in early June. ---- Clark, W9CD, although still active at times with his MSO, has been getting his feet wet on Packet, and can be found with his BBS on 14.103 KHZ. ---Sysop A1, N1API, Meriden, Ct, is also involved in Packet radio. Check his MSO "sign on" for information.

That's it for this session, and I hope that each one of you is enjoying the Summer weather. Take care and I'll look forward to visiting with you on RTTY and the MSO's. -73- de: Dick, K0VKH

ELMER

John Passwaters is looking information on Apple IIe software and interface device for decoding RTTY, CW, AMTOR, and ASCII. ADDR: C/O ARAMCO BOX 1523, Abqaiq 31311, Saudi Arabia.

Jules Freunglich, W2JGR has a printer problem. He says, can anyone tell me how to disable automatic printer shutdown when my Gorilla (GX-100) printer receives a bell signal. Printer receives its input from Kantronics Hamsoft module on TI-99/4A. With this software, bell signal is a control G. Printer interprets bell signal as an error signal. Power switch must be cycled off and back on to restore normal printer operation. Jules does not have any technical data on the printer other than the cable pinouts. ADDR: 17 Nassau Blvd., Malverne,NY, 11565.

Lee Weifenbach, WB3ACC is using a V-20 with Micro-Log Air and MBA-TEXT. He is looking for info to tie into the IRL-1000. Can someone help Lee with his problem. Addr: 113 Bellvue Ave., Apt. #200, Pittsburg, Pa., 15229.

YOUR NEW PUBLISHER:

My name is Dale Sinner, I am married and my wifes' name is Faye. We have two daughters, Nancy and Susan (Nancy about to be married). Neither my wife or daughters are hams. I have been maried for almost 35 years and my wife still lets me have my ham station in the garage (my dog house). I obtained my license while in the Army and stationed at Camp Roberts, Ca. That was during the period 1951 to 1953. I attended and Intermediate Radio Operators School there and then stayed on as as instructor for the duration of my service time. It was during this time that I studied for the Ham exam with the help of some other hams who were also instructors at the school. I received the Call W6IWO which I found later to be a reissue.

It was during my stay at Camp Roberts that I was first exposed to RTTY. Sometime in 1952, Sixth Army headquaters stationed a mobile communications truck at our Mars station which was adjacent to thew Radio School. Now this mobile station was really something for its time. A complete model 19, two (2) 75A4 receivers, BC-610 transmitter, two demodulators for RTTY, plus other asssorted goodies. Ispent a lot of my spare time houding those operators attached to this station trying to learn as much as possible about RTTY. Well, that's when the bug bit me. I swore then and there I would someday have an RTTY staion. It took some time for that to happen but finally in 1965 I made my first RTTY contact. My station at that time consisted of a HQ-129X receiver, CE-200V transmitter, model 15, and homebrew TU. My first contact was with a statioon in New York state and that got me hooked real good. I have been active off and on with RTTY ever since. I'm not as active as I would like but one of these days I hope to be.

Back in those early days of my RTTY work it was sometimes difficult to make a contact because there were not enough stations on the air using RTTY. Sometimes I would have a QSO with the late Merrill Swan W6AEE (the first publisher of the Journal) and he only lived about twenty five miles from me. My how times have changed! My first contest was a Alexander Volta contest many years ago. I enjoy contests, some DX rag chewing, pictures, and am getting interested in AMTOR, MSO's, and Packet. As time permits and probagation allows I'll be getting into the thick of it all.

Presently, my station consists of the Icom 720A, CP-100 with MBA/TOR, HY-Tower antenna, and model 28 3sp RO for hard copy when I want it. The amp is the Drake L-7 modified for ten meters. For two meters I use a handheld TR-2400 with a small amp and for 220, I use the Midland 13-509. Most all of my equipment is dedicated to RTTY, only the mobile radio (Icom 27H) in my truck is for voice.

I have been a subscriber of the RTTY Journal for many, many years and still have all my copies on file here. I have enjoyed reading this publication all these years never ever thinking I would some day be the owner and publisher. To me the RTTY Journal is not just a newsletter or magazine, it is an institution. I shall endeavor to do my very best to continue its traditions, giving our readers the best and latest information I can get my hands on. Please help me by sending in your articles so that I can pass them along through this great publication. The RTTY Journal is now in its 34th year of continued publication and I hope to keep it going for many more years.

There are going to be some changes made as we go along. I intend to expand our coverage to include articles about other digital modes used in our hobby. This will include Packet, and the use of computers and Amateur radio. I hope you approve of these changes and will support the RTTY Journal. Let me know what you think about these changes, pro or con. de Dale, W6IWO

DAYTON PICTURES ON PG. 9

NEXT MO: C-64 + CP-100 + 28RO + MBA/TOR = Hard copy

RS-232 Compatible

Goodbye to Packet Only Controllers

PAKRATT ™
Model PK-232

Late last year AEA broke new ground by introducing the first five mode amateur radio computer interface with Morse, Baudot, ASCII, AMTOR, and Packet...the PK-64. Now AEA has another breakthrough....the PK-232.

Five Mode Versatility

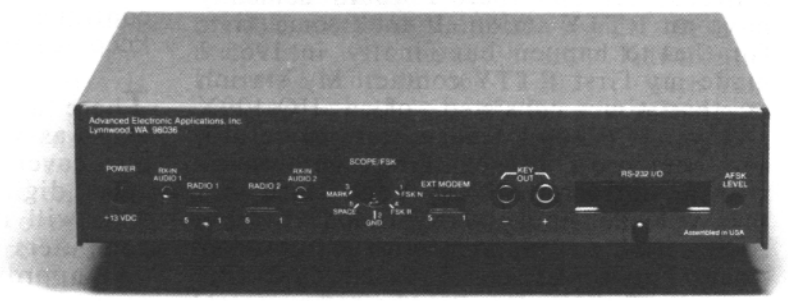
The PK-232 makes any RS-232 compatible computer or terminal the complete Amateur digital operating position. By using a simple terminal program any computer with a standard RS-232 I/O can connect directly to the PK-232 and be ready for operation in minutes. The internal autobaud program allows 300, 1200, 2400, 4800, and 9600 baud communication between the computer and the PK-232. All decoding, signal processing, and protocol software, for Morse, Baudot, ASCII, AMTOR, and Packet, is on ROM in the PK-232. The PK-232 is a Z-80A based system and has hardware HDLC using the Zilog 8530 SCC. The internal modem of the PK-232 can transmit Packet at baud rates of 300 and 1200, with the option of using an external modem for 2400, 4800, and 9600 baud.

An Operators Dream

With twenty-one front panel indicators it's easy to monitor operation. Separate indicators show operating mode, current operating status, and data carrier detect. A front panel switch allows selection of two separate radio connectors, no more switching cables when jumping from HF to VHF. The front panel threshold control adjusts squelch for both HF and VHF. The AEA standard discriminator style tuning indicator makes tuning easy in any mode and on any band.

Serious VHF/HF/CW Modem

The PK-232 also includes a no compromise VHF/HF/CW modem with an eight pole bandpass filter followed by a limiter discriminator with automatic threshold correction. Once the operating mode is selected the modem automatically selects the proper bandwidth, 200 hz for CW, 450 Hz for HF, or 2600 Hz for VHF. Transmitter tones are low distortion sine wave phase continuious AFSK. The PK-232 will receive wide shift RTTY signals, but only transmits 200 Hz shift on HF.



Prices and specifications subject to change without notice or obligation

AEA Quality and Price

All this plus the high quality you expect from AEA. An easy to read and understand manual, most cables and connectors included, and a service department to answer your questions. The PK-232 is the one unit that does it all with your IBM, Apple, Radio Shack, or almost any computer. With an Amateur Net price of $319.95 you can't wait any longer. Call your local AEA dealer and order the new PK-232 today.

AEA
Brings you the Breakthrough!

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W. S. R. Y.

Worked All Scandinavian RTTY Award

RULES:

All who have had 2 - way RTTY contacts with the following number of Scandinavian amateur stations can claim for WSRY certificate.

Stations in Scandinnavia:
General class ---------- 25 QSO
Bronze ---------- 50 QSO
Silver ---------- 75 QSO
Gold ---------- 100 QSO

Stations in Europe:
General class ---------- 16 QSO
Bronze ---------- 35 QSO
Silver ---------- 50 QSO
Gold ---------- 75 QSO

Stations outside Europe:
General class: --------- 8 QSO
Bronze ---------- 15 QSO
Silver ---------- 25 QSO
Gold ---------- 50 QSO

Note: General class must be first obtained before Bronze, Silver and Gold ribbons. All bands can be used.

QSL cards for General class, Bronze and Silver ribbons are not necessary, just a list containing call, date, and time of the contacts.

For the Gold ribbon it is essential to have contact with the following prefixes: LA - SM - OH - TF - OX - OY - OZ. Reference to SARTG contest log or photocopy of the 7 QSL cards is sufficient.

Fees: General Class: 10 IRC
Bronze Ribbon: 6 IRC
Silver Ribbon: 6 IRC
Gold Rosette: 6 IRC

Contact: SARTG Contest and Award Mgr., OZ1CRL, Jorgen Dudahl Lasjon, Egebjerg vej 90, 4500 Nykobing Sj., Denmark

1985 RESULTS

15th SARTG WORLD - WIDE CONTEST
World Top Scores

Single Operator Top Five
Class A

SM4CMG	274,960
UT5RP	266,265
SM5FUG	193,500
F6BIG	160,200
G4SKA	157,080

Multi Operator Top Five
Class B

LZ2KRR	155,540
HA5KAG	137,280
OK1OAZ	58,500
WA7EGA	56,350
DF0BUS	15,840

S. W. L. Operator Top Five
Class C

FE3700	152,250
DE1GMH	28,770
Y2-EA-19002/B31	15,820
FE1107	13,200
OK1-30342	7,300

Class B Multi Operator

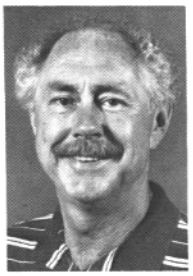
LZ2KKR	155,540
HA5KAG	137,280
OK1OAZ	58,500
WA7EGA	56,350
DF0BUS	15,840

Class C SWL Operator

FE-3700	152,250
DE1GMH	28,770
Y2-EA-19002	15,820
FE-1107	13,200
OK-1-30342	7,300
Y2-8301/FU7	6,405

Check Logs

W0LHS - AK2H - SM6EZI - OZ1CRL



Dale Sinner, W6IWO
9085 La Casita Ave.
Fountain Valley, Ca.
92708

HITS & MISSES

I received a nice letter from Jorgen, OZ1CRL regarding the results of the 15th annual SARTG contest and also the announcement of the 16th annual SARTG contest. You will find the results of the 15th contest elsewhere in this issue along with the rules for the 16th contest. Jorgen hopes that state siders will be involved this year. Since I received this information kind of late I hope some of you were already planning on this upcoming contest. Because of our summer publishing schedule the 16th annual contest information will be getting to you only a couple of weeks before contest time. The following letter was received from Jorgen and is for all to read:

Thanks to all the participants for fine logs and comments of this years S. A. R. T. G. World Wide RTTY Contest. Sorry, the particpation was not as good as we had expected. The band conditions were very poor indeed, and there was very few stations World-Wide that were involved in the Contest. Polar probagation was nearly non-existant during the first two Contest periods, only opening shortly before the Contest ended on Sunday.

WWV Boulder probagation was: Flux 66, A index 11. The Boulder "K" index ranged from 2 to 5 during the Contest period.-- and our current Solar Cycle 21 does not reach maximum until June 1987. Hoping the probagation will improve very soon, I unfortunately guess next year will be worse, and then we will have a slow improvement.

Anyway, next years S. A. R. T. G. World Wide conest will run as usual the 3rd week-end in August, and there will be no change in the rules.

Therefore, please reserve this week-end for the S. A. R. T. G. W/W RTTY Contest, and please help to inform as many RTTY Hams as possible. vy 73 de Jorgen, OZ1CRL

Jorgen also sent along to me the qualifications for earning a WSRY (Worked Scandinavian RTTY Award) certificate. I have listed that info elsewhere in this issue too.

ATTENTION! I am looking for material to print in the RTTY Journal of the following nature: Packet articles, Computers and Ham use, technical info concerning RTTY, AMTOR, Packet, contesting ideas, RTTY antennas, pix, and RTTY satellite work. Send your information to me and I will try to properly format it for inclusion in the Journal. Why not share your ideas and knowledge with others interested in these digital modes of communcation.

ANNOUNCEMENT: Elsewhere in this issue you will find a new column intitled ELMER. ELMER wants to help you. If you have a problem, please send it to Elmer and I' ll publish it for you. If I have an answer I'll also publish it, but if I don't then maybe one of our readers will respond directly to you.

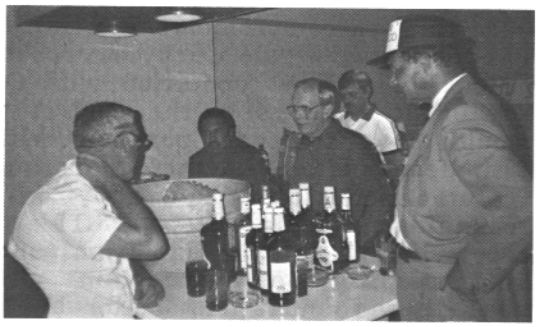
This HITS & MISSES column will be published as need be, that is, if there is information to share I will print it. If I'm short on info then it will be held up until info comes in. I will also hold this column when there is other more important info to publish, such as, technical articles, and special news. I would like to hear from you , the reader, because you can help me with this column. Write to me soon.

Please check your address label for correctness. If there is an error, please let me know at your convenience.
de Dale, W6IWO

1986

DAYTON HAMVENTION

PICTURES



Product Reveiw
AEA model PM-1 packet modem

by: Steve Hall, WM6P
664 Bristol Ave.
Simi Valley, Ca. 93065

Introduction

The PM-1 is a packet modem to be used with your existing HF radio and terminal node controller (TNC). It provides enhanced HF packet performance and convenience to the operation of your current packet station. The PM-1 takes off where other HF modems leave off. Many opinions have been expressed as to the frustrations of HF packet. This device should ease many of these difficulties. Let's look at the deficiencies of past equipment and see how the PM-1 addresses them.

Tuning

When I became addicted to HF packet about two years ago, there were few using HF packet and the first TNCs were kits that made few provisions for good HF operation. I soon learned a tuning indicator, while of no value on VHF, was very important on HF. Unlike VHF operation where the tones are determined by the transmitting station, on HF they are determined by the accuracy of the tuning of the carrier frequency by the receiving station. As as example, if the receiving station is off frequency by 60Hz there will be a 60Hz error in the audio tone pair and on packet that means no copy! The PM-1 comes to the rescue with an LED tuning indicator with sufficient resolution to insure you are on frequency. With a little practice the packets are easily centered within the LED bar-graph and the number of lit LEDs aids in the setting of the audio volume.

HF and VHF Operation with one TNC

A second problem area addressed nicely is the time consuming procedure of reconfiguring your station from a 1000Hz shift for VHF to 200Hz for HF operation. This normally involves the pluging and unpluging of cables and in some cases recalibration of the TNC. Again, the PM-1 solves the problem by providing separate connections for your VHF FM rig and HF transceiver. Now with the functioning of the unit's on-off switch, you go from VHF to HF operation. With the power switch off the unit is bypassed and VHF transceiver is online. When powered up, the PM-1 is ready on HF.

High Performance Reception

Most TNCs depend on a phased- locked-loop or an AMD 7910 modem chip for demodulation. While I have enjoyed many hundreds of HF packet QSOs, for weak signal work or crowded band conditions, better schemes for demodulating FSK have been is use for years by those on RTTY. One of the most serious deficiences on packet has been the lack of sufficient filtering. The PM-1 uses two 4 pole Chebyshev channel filters. This allows operation with QRM within the bandpass of the receiver that would have stopped operation with a PLL demodulator. Another performance feature is the ability to copy on the remaining single tone. This is accomplished by the inclusion of an automatic threshold correction circuit normally found on better RTTY terminal units but not common in packet TNCs. By using the notch or slope tuning on my TS-930S I was able to test this capability by nulling out one tone and observing good copy on the remaining tone. Frequently packets are lost if this capability is not present, as in the case of simpler PLL circuits.

Adjustable DCD Threshold

As the TNC must not initiate a transmission when another packet is present on frequency, DCD (data carrier detect) must be used to signal when the frequency is in use. This is an internal function of the TNC and it's operation can be observed with the DCD light on your TNC. Normal noise present on HF can trigger the DCD, making the TNC believe a signal is present and interrupt transmissions. With most hardware the only way of alleviataing this problem has been to reduce the AF volume on the receiver to lower the noise level. But then the optimum AF signal level is lost. The PM-1 has a front panel DCD level control, so independent level control is available.

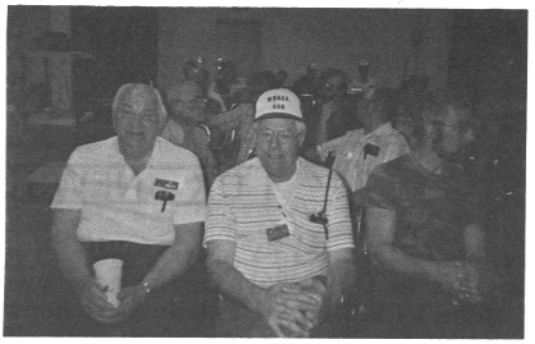
600HZ Operation

In addition to the conventional 200Hz frequency shift used by amateurs on HF packet, 600Hz operation is selectable with a front panel control.

(cont. pg 11)

(PM-1 cont)
As fading of radio signals is very frequency selective it is not uncommon to observe one signal fade with a second signal only 500Hz away undisturbed. This can be used to the packet stations advantage by using a frequency shift sufficiently wide such that if one tone fades the other remains with sufficient amplitude to be detected by the receiving station. 600Hz offers a good compromise between sufficient frequency shift diversity and narrow bandwidth. The more common 200Hz is too narrow to take full advantage of this property of selective fading. To go much beyond 600Hz increases bandwidth requirements and the signal to noise ratio suffers.

Conclusions
I found the inclusion of pin-outs for most of the popular TNCs very helpful and cabling up very straight forward. Ready to test its weak signal ability, I scanned 20 meters and found it quiet with the exception of a weak packet signal from the southwest. With a simple connect request my TNC informed me I was connected to VK4CXX, Lee in Strathpine, Australia, my first from that part of the world. Not bad for my first connection of the test. As today's HF packet equipment matures, many of the initial problems experienced by newcomers will become a thing of the past. Every new mode has gone through a period of development, and many of today's criticisms of HF packet are undeserved. The PM-1 addresses the shortcomings of simpler systems and will be appreceiated by anyone serious about HF packet. (see photo pg 15)



I WOULD LIKE TO JOIN THE GREAT CIRCLE OF FRIENDS WHO ENJOY THE RTTY JOURNAL. ENCLOSED IS PAYMENT FOR A ONE YEAR SUBSCRIPTION

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USA- $10.00 YR.** CA/MEX surf $10.00** CA/MEX air $12.00** FOREIGN surf $10.00 ** FOREIGN air $15.00 yr

Roy Gould, KT1N
P O BOX DX
Stow, Ma. 01775

DX - NEWS

Hello!, fellow RTTY dxers; first of all, congrats to Dale W6IWO, the new owner of the RTTY Journal and to Dee, hope to hear you on the air more often now.

DAYTON

Once again this year I traveled to Dayton, amazing, for those of you who have not been there, if you ever get the opportunity-Go!! It is just fantastic, all those people, all that heat, and a flea market you just can't believe. I attended the RTTY forum which was hosted by Bill Henry and I gave a short talk on RTTY DXing and also went to the traditional RTTY dinner at the Imperial House; got to meet a lot of familiar calls in the pile-ups; had a real nice chat with Bill W0LHS. Also got to meet and spend some time with Ted HC5KA who I manage QSL cards for. Ted brought all his current logs and I am happy to say as of right now, I have all cards answered. The talk in the hospitality suite among the RTTY DXers was about the one that got away, QSL returns, and RTTY contesting.

HC8 Galapagos Islands

Ted HC5KA, perhaps yours truly and other HC hams are planning a trip to the Galapagos Islands in late August or early September. The trip will have two purposes. First, to set up some 2 meter repeaters on the islands and to do some VHF/UHF experimentation. Second, put HC8 on RTTY once again. Plans are now shaping up, equipment and licenses, etc. I will keep you up to date and have a full report in next months column.

Mailbag

QSL manager volunteer : Curt Gidding WA9ZQJ, writes to let us know that he is ready and willing to become a QSL manager for an active RTTY station. So if someone is looking for help drop Curt a line via his CBA. Curt also passes along that he has worked TZ6FE on the keys and got a very quick return of a card via DL4BC.

Bermuda: Victor KD2HE dropped me a note to let us know he was active as KD2HE/VP9 from May 19 thru 28th. If you worked Victor, QSL via: Victor Carnuccio, 547 Broadway, NY,NY 10012.

Macquarie Island, VK0SJ: Roger KE6T says he worked VK0SJ on 14.096 at 0500Z on June 2. WB5HBR says he also worked Roger at that time. QSL via VK7RM.

Carl K6WZ, writes to say he is tinkering with parts for a new amplifier and to watch out on the east coast!!! He also says he got good QSL response from J37BG, J37EH and 3C1MB and of course, VP2VAA/KP2N. Ron, Carl says, deserves a tip of the hat for his great handling of the pile ups during his VP2VAA DXpedition, I agree and also K8OHC for his great turn around on the QSL cards; thanks fellows. Carl would also like to see greater participation in the VOLTA and ANARTS RTTY contests by U. S. A. stations.

OPERATOR OF THE MONTH

As mentioned last month, I will be spotlighting a RTTY DX operator each month. This could be a U. S., Canadian, or from wherever in the world, so please send me info on yourself. (Editor: Send along a pix to Roy and I'll put it in the Journal. Remember, a pix is worth a thousand words.)

Minoru Tsuda JA1DSI - Tokyo

Minoru has been on RTTY since 1978 and is presently at 216 worked and 206 confirmed. He holds RTTY Journal DXCC #47 and ARRL #111 RTTY DXCC. His first love is CW but in 1976 became interested in RTTY and got on with a Model 19 and a Klrinschmidt machine. One day in 1978 he worked CE3CF for his first RTTY DX contact and has been chasing DX ever since. (cont. pg)

ARRL National Convention, San Diego, Ca. Sept. 5,6, & 7. RTTY Forum Sat. Sept. 6 at 1400 hours to 1500 hours. **Be There!** Your MC will be Bill Henry from Hal Communications. We will also have a display of older demodulators. Sort of a demodulator museum.

Minoru has written many articles on RTTY and on mobiling in Japanese ham magazines. He recently has gotten on Packet on HF and passes along that he has worked VK, 7J1, YB, 9M2, 9V1, DU, KL7, SM, DL, LA, KH2, G, I, PJ2, many USA and 5H3ZO, all on 14 MHZ Packet. 5H3ZO mainly works Packet and AMTOR and very seldom on Baudot Minoru says. Packet DXCC interests Minoru, and he has written W1XX (John Lindholm) at ARRL headquarters asking if Packet contacts apply to RTTY DXCC. John writes back that Packet QSO's do apply to DXCC as do ASCII and AMTOR. Only direct QSO's count, of course, no gateways or digipeating. To this note Minoru suggests that when QSLing a Packet QSO, note on the card that the QSO was a direct connect. So who knows JA1DSI may be the first Packet DXCC all direct QSO's. He is on his way... thanks for the nice letter Minoru.

UPDATE - DXERS HEARD

9U5BB. . . . From Ghis : 9U5BB is a pirate, the only valid stations from Burundi as of 04/05/86 are 9U5JM (QSL via F3LQ) and 9U5JB (QSL via ON5NT) Ghis also says that 9U5JW active in September 1985 is also a pirate. Has anyone received a card from 9U5TN that I reported active last month?

LA1AD/JW . . . As expected and reported last month, this station is also a pirate... save your money.

HS and 9N1 . . . JA8RUZ says he is going to HS and 9N1 this July and August and plans to be on RTTY!!!

AZ1A . . . . . Cards are reported coming thru from this South Orkney operation.

9Q5 . . . . . Cards are coming in also from WA9PCI/9Q5 from the last August operation.

CO2BB . . . . . Cards are coming thru from this station also.

EASTER ISLAND

CE0ZIJ . . . . . FLASH - - - CE0ZIJ, operator Gus, 09 June, 14.093. QSL via P O BOX 1, Easter Island, Chile.

HONG KONG . . . . . George W1DA has returned from QS6 land; while there he visited VS6FI and VS6DO. VS6FI has RTTY gear and George has encouraged him to be more active on the keys.

ZD8KM . . . . . Ascension Island; Ken is the operator and says to QSL via ZD8AR, which is the club station on the island.

S2 . . . . . Had a report from JA3AUQ that he heard VO1OC/S2 05/24/86 at 1100 UTC.

QSL INFORMATION

JY9IU VIA HB9AHA
V44KT " WB2TSL
TU2JJ " KN0J
3D2ER, Raj Singh, GPO BOX 184, Suva,Fiji
TA2D, PO BOX 27, Kzergli, Turkey
CO2BB VIA PO BOX 1, Havana, Cuba
5H3ZO " K0LST, 2702 E. Wisconsin Ave., Appleton, Wi. 54911
CE0ZIP VIA PO BOX 1, Easter Island,Chile

Well that is it for this month, see you all in the pile up's and good DX and a tip of the DX hat to : WA9ZQL, KD2HE, KE6T, K6WZ, W6JOX, JA1DSI, WB4UBD, K4AGC, W1DA, WB1AEL, N1DGC, W0LHS, ZL2AKI, TG9VT, JA3AUQ, and " The Wipper" WA4WIP.

(ED: Roy's Bandpass info is on page 14)

TED, HC5KA

RTTY DX BANDPASS

CALL	DATE	TIME	FREQ	MODE	QSL
AH6FI	2 JUN	0200	14.085	BAU	CBA
AP2KS	16 MAY	1100	14.088	BAU	CBA
CE0ZIP	9 JUN	0100	14.091	BAU	CBA
CO2BB	8 JUN	1500	14.094	BAU	CBA
C31NP	8 JUN	0010	14.089	BAU	EA3AQS
DL4SBK/CU6	16 MAY	2145	14.094	BAU	DL4SBK
FM5CD	7 JUN	1150	14.087	BAU	CBA
FK8AX	30 APR	0330	14.083	BAU	CBA
HC5KA	24 MAY	1200	14.095	BAU	KT1N
HI3ADI	12 MAY	0230	14.093	BAU	CBA
HL1EJ	16 MAY	1100	14.090	BAU	W3HNK
HL9AV	30 MAY	1130	14.087	BAU	CBA
JW0A	29 MAY	1400	14.093	BAU	CBA
J37BG	24 MAY	1200	14.090	BAU	CBA
J88BH	16 MAY	2315	14.093	BAU	---
KA6LT/OKINAWA	29 MAY	1215	14.089	BAU	CBA
KH0AH/KH2	29 MAY	1030	14.092	BAU	CBA
KH2AB	24 MAY	1130	14.089	BAU	CBA
KX6OI	20 APR	2200	14.093	BAU	CBA
KD2HE/VP9	20 MAY	2250	14.097	BAU	CBA
OA4CN	9 JUN	0250	14.085	BAU	CBA
OY4HQ	17 MAY	1155	14.095	BAU	CBA
P43SF	7 JUN	1350	14.080	BAU	CBA
TA2D	30 MAY	2350	14.097	BAU	---
	31 MAY	0030	14.083	BAU	---
TA1F	30 MAY	2125	14.083	BAU	---
TU2JJ	10 MAY	2300	14.097	BAU	KN0J
T3OAT	15 MAY	0250	14.088	BAU	G4GED
VK3KF	24 MAY	0500	14.091	BAU	CBA
VK0SJ	2 JUN	0500	14.096	BAU	VKYRM
VP9BY	11 MAY	1150	14.086	BAU	CBA
VU2VIM	21 MAY	1100	14.090	BAU	CBA
VU2UGI	19 MAY	0125	14.091	BAU	CBA
VU2GI	19 MAY	2330	14.091	BAU	CBA
V44KT	19 MAY	1200	14.090	BAU	WB2TSL
YB9ZW	10 MAY	1130	14.074	FEC	CBA
ZF1RC	24 MAY	0500	14.095	BAU	CBA
ZK1CG	10 MAY	0340	14.092	BAU	CBA
ZL2AKI	18 MAY	0320	14.088	BAU	CBA
3D2ER	17 MAY	0415	14.082	BAU	---
	28 MAY	0300	14.094	BAU	---
5H3ZO	20 MAY	1925	14.073	ARQ	K0LST
5Z4RT	14 MAY	1050	14.097	BAU	---
	1 JUN	1200	14.097	BAU	---
6Y5SH	29 MAY	1140	14.089	BAU	CBA
8P6MX	11 MAY	0200	14.092	BAU	CBA
9V1JY	7 JUN	1230	14.080	BAU	CBA

CLASSIFIED ADS

30 words $3.00, additional words 5 cents each. Cash with copy
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FOR SALE: Dovetron MPC - 1000 CRII regenerative RTTY terminal unit with digital autostart, E series Mark II, $525; Info- Tech tri-mode converter M-100E, $45; NEC 12" monitor, $75; E. Morsell, 385 Elm Ave, Larkspur, Ca. 94939, (415) 924 - 4572

FOR SALE: Plate Transformer, 6000 volt center tapped at 2 Amp, excellent for RTTY use, $75 plus shipping; good 4-400 tube with chimney, $40; Elmer Shafer, N8ES, 3479 Kersdale Rd, Pepper Pike, Oh, 44124

NEWS - NEWS - NEWS Amateur Radio's Newspaper "WORLDRADIO". One year subscription is $11.00; Send to: WORLDRADIO, POB 271309, Escondido, Ca 0770

HAL COMMUNICATIONS ANNOUNCES THE NEW DS - 3200 "RADIO DATA COMMUNICATIONS TERMINAL", RTTY, CW, ASCII, plus IBM "PC-XT" compatibility! Four models to choose from, including mass storage to 20 megabytes. For information and pricing call or write Dick, K0VKH, DIALTA Amateur Radio Supply, 212 48th St, Rapid City, SD (605) 343 6127

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