

STATIC FROM HQ

The new guest editor this time is...well, we don't have one as yours truly is returned (much to the chagrin of the rest of the publishing committee) with a first phone and a batch of back work. First off, I'd like to thank all for helping in my absence, especially Pat, Dick, Gary and Bob Walker for the fine job he did last time as guest editor—well done! Back at routine news...our sympathy to Chris Bobbitt of Berea, Ky. on the recent death of his father...congrats to Kelly Andrews (and his wife Kit!) on the recent addition to their family...members of the publishing committee will miss (we hope) Wayne Murphy, who moved to Nashville recently (details in his Muse)...As this issue went to press it appeared that the International DX Digest was mail-delayed. If you see it inside, we got it (how about that!)...as this is being written before the convention we don't know for certain, but we are 100% almost possibly kinda sorta sure that we all had a great time in Atlanta. Hope we will see, er, saw, er, seen, a lot of you there!

CHANGING OF THE GUARD....We are pleased to announce three new editors for DX News...Don Erickson of Riverside, Calif. will be assuming the post of Domestic DX Achievements Editor. His first column will appear in these hallowed pages shortly...John D. Bowker of Princeton Jct., New Jersey will shortly (like in October) become the new editor for the popular column AM Switch...and John Kromka of Montville, New Jersey will become the new editor of Contests. If that's not enough, new column The Verie Game, edited by Ron Schiller, will be found for the first time in this issue of DX News. Welcome to the new editors and a special thanks to the folks who had these columns last season for your work:

CPC TESTS (Times are ELT)

September 18 Monday WSUM-1000 Parma, OH. 0100-0200 w/500 watts. First thirty minutes of test will be with a directional pattern The second thirty minutes will be with a non-directional pattern. Program material will consist of gospel and march music, with frequent voice I.D.'s. Cassette tapes will be accepted and will be returned. Prepaid calls will be accepted at (216) 578-1111. Written reports and tapes should be sent to Dave Johnson, technical director, Mortenson Broadcasting Company, 619 Peoples Merchants Bldg., Canton, CH 44702. Arr: John E. Kromka.

LOOK INSIDE

We Get Letters	2
The Verie Gamea New Column By Ron Schiller	
Domestic DX Digest	4
Serving American Forces	7, 45
The DXers Guide to NFL Football	
Tilting T-Bar Antenna Tuner for the TRF	11
Musings of the Members	
Graveyard Frequency Maps (Conclusion)	
International DX Achievements	
The Travelling DXer	
The Manibridge Beverage	
DX change	
International DX Digest	
Propagation Noters/Afr Graphs	46

HAPPY BIRTHDAY NRC ! FOUNDED LABOR DAY - 1933

PAT HARTLAGE NRC HEADQUARTERS P.O. BOX 32125 LOUISVILLE, KY 40232

RENEWALS (List held over from last issue)
Thanks to the members renewing for their support of NRC! They include: Ed
Gehringer, Andy Rugg, Jack Faulkner, John Waha, Norman Sorensen, Robert Dome,
Fraik Johnson, Albert Lehr, George C. Stirling, Harold Whittier, Robert Eddy,
Jack Parks, Glenn Dempsey, John Clemmer, Andrew Mahoney, Sidney Feldman, Jeff
Kleppinger, Bruce Conti, Vernon Schearer, Mike Anderson, Ronald Sibbitt, John
Walters, David Peters, Thomas H. White, John A. Houghton, Debra Hidden, Pat
Hartlage, Cary Simpson, Paul Wardell, Al Jones, Mike Collins, Charles Rader,
Pete Kemp, Dennis Dean, Joel Lessing, Watson Wendt, Yngve Mattsson, Richard
Northup, W.R. McIntosh, Jim Lovell, David J. Kennedy, Don Kaskey, Bob Stonier,
Herman Meyer, Jerry Franklin, Daniel R. Bartex, Jr. (2 years), Bob Foxworth,
Calvin T. Augustine, Dave Bennett, Roger S. Horie, William Blazek, Bill Coleman,
Mark Connelly, Bill Harang, Glenn Hauser, Michael Good, Edward R. Cotton,
Michael G. Worst, Tom Fawcett, Richard Allen, Mike Smeltzer, Sam Dellit, Jim
Wallace, R.J. Loewen, Robert Hofer, Gordon L. Anderson, Alan Mayer, Ronald
Dennhardt, Bill Wurtzel, Don Eilers, Darryl Belanger, Elwood Borowski, Tim
Kerfoot, George Kesteven, Phil Sullivan and Robert V. Larson.

HAM OPS LIST Russ Edmunds is preparing an updated lists of amateurs who also NRC members. His deadline for the list, which will appear in the 0 23 DX News is Oct. 5. Please send Russ a postcard with your name, addre amateur call, license class, bands worked and days/times you work. Send info to P.O. Box 127, Boonton, NJ 07005.

<u>COMPUTER TIME?</u> Russ Edmunds (address above) is trying to find someone with computer and programming time who is interested in propagation and/or is just willing to help with a propagation project. Contact him soon please!

REFERENCES We recently received two publications here at HQ. The first was the 7th edition of "List of Time Signal Stations 1978/1979" by Gerd Klawitter. It's an offset printed 36 page booklet with the most up-to-date info on LW and SW time stations. It can be obtained for 4,- DM or 5 International Reply Coupons. Payments can also be handled thru the German postal account office "Dortmund", account number 1025 76 - 462. Gerd Klawitter, Ochtruper Str. 138, D-4430 Steinfurt, Federal Republic of Germany. The second publication was "Across the Dial '78", from Broadcasting Publications Inc., 1735 DeSales St., NW, Washington, DC 20036. It's a 140 page compilation of AM/FM/TV stations by state and city. Besides call letters and frequencies, the only other info given for AM stations is programming (Top 40, C&W, MOR, etc.). Price is \$2.25 plus 75¢ for postage and handling. The book doesn't compare with the NRC Log and is not recommended for use as a DXing reference.

WIRE/PARTS Dave Schmidt wrote to tell us Edlie Electronics, 2700 Hempstead Turnpike, Levittown, LI, NY 11756, has very good prices on tubes, transistors, wire, etc. Tubes are discounted as much as 70%, with some even better buys on surplus tubes. They also have a special on #22 wire, 1000 foot spools for \$5.95 (don't mention what wire is made of), solid or stranded. Write for a catalogue.

STATION IDENTIFICATION Mike Hardester sent info about an item in the July 1978 "Popular Science" magazine. "The Philips Research Lab in Holland has devised a new experimental channel-identification system for radios. As you tune down the band, the visual readout displays the station,...its transmitter location,...and even the type of program being broadcast...Working with the Dutch Broadcasting Corp., the participating radio stations transmit a digital code along with the standard audio, which is detected and decoded in the I.D. box. For actual commercial use, the decoder would be built into the radio and all stations would have to send their own coded signals." Very interesting Mike:

AN AM BEACON will be operated this Fall by Ken Cornell, 225 Baltimore Ave., Point Pleasant Beach, NJ 08742. Ken says he plans to run the beacon "KEN" on 1575 kHz using CW running 100 mw into a 10 ft. antenna (permitted under FCC regs, section 15.113). So far he's gotten out 18 miles with his set-up. If interested, drop him a card for dates and times he'll be running the beacon. He'll have a special QSL. Ken is W2IMB.

<u>DX NEWS</u>, barring a postal strike is next scheduled for Sept. 25. The new volume year starts with the October 9 issue, then October 23. We go weekly beginning with issue #3 on Nov. 6.

PLAYING THE

VERIFICATION GAME

RON B. SCHILLER 7657 LA BALSA DRIVE DALLAS, TEXAS 75248

Welcome to the long-promised column on verification, delinquents, non-verifiers, et al.! By way of introduction, ye editor is 39, father of three (by the time you read this, we hope), an NRCer off and mostly on since 1951, proud owner of 2,167 verifications; manufacturer's rep by trade. I firmly believe that all U.S. & Canadian radio stations can be verified! Foreign stations, with all due respects to our overseas members, can be a bit tougher, most probably because of language and postal problems. This column will attempt to serve two main functions: (1) identify those stations which are difficult to verify, and thus solicit the memberships' help in supplying (a) any known veri signers and/or (b) the incentive for nearby DXers to help verify reports or instruct station personnel to do so; (2) give tips on "how to" get that though verifier to answer!

Let's set a simple criteria on what is a hard to verify station: any station that fails to reply to three reports, at least one of which included a prepared card. (For those who don't know, a "prepared card" is a postal card sent by the DXer to a station, with his report, completely filled out with station data, date, time, etc., requiring only a station signature to complete and remail to the DXer to be considered a verification.)

What we need from you, if you're a "verie chaser": your list of non-verifiers, by CALL, FREQUENCY, and NUMBER OF TRIES. Your ED will compile these and cross-reference them with subsequent verie-signers submitted for them as well as from lists I've compiled from verie-signer columns. YOUR INPUT on HOW to verify stations will also be appreciated, from you 30-year NRCers to you new members.....we're ALL willing to learn new or old techniques!

By way of kicking off the column, I'll list my own HOLDOUTS, in the suggested format:

710 WUFF GA (6) 870 WGTL NC (4) 1530 KRNK WYO (4) *off air but freq. later relic. 750 KMMJ NEB (7) 970 KSYL LA (5)

MONTHLY VERIE TIP: On annually, for that matter.....one word, <u>PERSISTENCE</u>! I'll quote from a letter written to me by a fellow DXer, "With U.S. stations, unless DX Speical, I wait at least two months and then send follow-up, always polite, no matter if I write two or three years. Have never had a U.S. station fail to reply, in time. I sent Christmas cards to the Pres., Mgr., CE & PD of KFMA, Davenport, Iowa as they had not verified anyone. The result was that I got letters from the Pres., Mgr., & CE and NINE prepared cards all signed. Then everyone else began getting verie cards." Oh yes, that was in 1952!!

Let's year from $Y \underline{OU} \dots your$ holdouts, your tips, your questions, or anything else to help you and your fellow DXer receive more VERIFICATIONS. Thank you. Thank you. 73.

THEY JOINED

Welcome to our newest members. Please muse soon and introduce yourselves.

Richard C. Harrison, 325 East 80th Street, New York, N.Y. 10021
Michael Habeck, 1103 N.E. 36th Ave., Gainesville, Florida 32601
Anthony Porter, 22 Owen Street, Mattapan, Massachusetts 02126
Thomas M. Seitz, 153 East 26th Street, New York, N.Y. 10010
Ethel and Norman Parsons, 275 North Shade Ave., Apt. 203, Sarasota, FL 33577
David V. Lamb, P.O. Box 454, Leander, Texas 78641
Walter W. Elsaesser, 4201 Victory Parkway (701), Cincinnati, Ohio 45229

THE WORLD'S OLDEST AND LARGEST ALL MEDIUM WAVE DX CLUB

DOMESTIC DX DIGEST

RAY ARRUDA 47 BURT SIREET ACUSHNET, MASS, 02743 (617) 998-3958

BI INGIL

WHIC, WIN, WARN, KUCA, WHOM, WJVA all heard by JK WIEF - Not heard by JK

PREQUEST ORSORS

lst Pri. EFFS-960 (RPS) 2md Thm. WIDG-940 Tentative w/TT at 0000 (BPS)



SPROIAL

- 1000 IL GHICAGO 8/7 noted on well past usual s/off, MSP? (BPS) Think they are now Odo by Mutual Network, Brian. (RA) 1310 WBIO MJ PARSIPPANY-TROY HILLS - now using new call, EX-WOTK. (JK)
- 1320 KKOJ MO CHANTOM BX-KADY 8/7 2002 mint w/s/off. (KDF)
- DS PLEASE NOTE. Gall to WASR-1420 on 6/28 confirms that it was they with the 1 khs TT. (JK)

MIDDAY TO MIDWIGHT

- WGAI EC KLIZARETH CITI 7/21 2356 fair/good w/T40 mx. (WPT)
 CKI MB WIHHIPEG Has been a regular S-9 here almost every 580
- night from 7/21-8/1, Pattern switch? (BPS)
 LFCONGTON = 6/27 2344-2345 clear S-9 ID then back into 630
- mess, like 1 second switch to 50 KW! (BPS) ACCOM-03/3 2237-2245 fair w/talk show, first definite language, what direction is their DA? (BPS) Taking a guard, I would think it would be pointing away from 640 AHTO
- los Angeles. (RA) OSUKOSR 8/1 1640-1702 good in RS, lotsa spots, IW ORAW
- Grandly able to dig out from u/670 slop. (BPS)

 EDISTOL 7/23 2045 fair/poor w/s/off. (WPT)

 IJANUAGTON 7/28 good w/Rock o/UKAO 2200-2210. (PRM)

 PRESSBURGH 7/22 2043 good w/nx/wx, s/off. (WPT)
- CHESITR 7/25 2030 fair w/s/off by male anner. (WPT)
 TARBORO 7/26 2030 fair w/s/off ment. of XR northwest WYCH PA
- of city. (WPT) CROZET - 8/1 2015 fair w/s/off after relig. (WPT) WIPED.
- BOONWALLE 7/26 2042 MoR mx, then s/off. #500 heard WEST. here in DC since early '77. fair in CHML null. (WPT)
- OR, Bill, go for that big 1000! (RA)
 EDUTINGTON 8/1 2025 fair/good in WFMD w/Braves-Reds WGHT WW BB game. (WPT)
- WEDA. SPARTAMSBURG - 7/28 2043 fair w/ment. of "SPA Radio."(WPT)
- FURLIFICATION 8/7 2015 s/off fair w/mention of FM. (WPT) MORRISTOWN - 8/8 2030 s/off fair/poor u/WFBR. (WPT) MEER
- 1310 ----- UNID w/SS talk by male, fair in null of WEEL on 8/8 @ 2036. (WPT)
- SALISBURY 8/5 2002 fair w/s/off u/WGET/WKTQ. (WPT) WINCHESTER 7/25 2042 ID surfaced atop GY pile, sheer 1320 WICO 1,400 MIRO VA.
- luck, Fair in null of WEAM slop. (WPT)
 DES MOINES 7/19 strong w/OAW mx, ads, wx 2130-2229. (JO) 1460 KSO
- PONTIAO 7/19 2215 w/wx/ID, weak u/dominant KSO. (JC) WPON PEORIA - 1st noted off 7/19 at 2100, returned at 2230 1470
 - w/ID & Cardinal BB. Off again for 10 seconds @ 2232 then returned to RS w/full ID & mention of technical
 - where wi west bend 7/19 w/wmbD off, wx, "Dueling Banjos" then s/off w/promo for FM 92.5 @ 2130. (JC)
 - SIOUX CITY 7/19 2200 w/ID, mx, fair. (JO) WOHO OH TOLEDO - 7/19 2204 fair w/ID, ads. (JC)

VIA DAVE SCHMIDT:

- Seeks essignment of license from Hex County Radio
 Inc. to WCLY Radio For \$1.00. Station is off air and
 proposed essignment is consingent on PCC's Invorable
 consideration of petition for reconsideration and for They have no other broadcast interests. Buyers are
 reinstatement of license. Sellers are Kenneth E. Patrick Robert L. Parreil (66 27%) and Dr. Colinis (33
 (30%), John D. Poole and Robert Z. Callins (25%), 17%), Mr Parreil's Waldington closualing regiment
 WSZY(AM). New Casile, both Penneyt-enia, and
 WFGM(FM) Farmont, Wvs. Dr. Collins is Washington physician. Ann. July 7.

 **aturned*, w/ad

 **aturned*, w/ad

 **aturned*, w/ad

 **aturned*, w/ad

 Aturned. 1470 WPAN FA PARRELL - 7/19 2229 right before WMBD returned, w/ad. Called & reported, very friendly verie in a week. DJ couldn't believe I was hearing them, and informed me (JC) that one tower was out, using only one tower w/250 watts. 1480 WGSB II GENEVA - 7/19 Women's softball ads all alone w/WMBD off at 2135. (JO) WAZL HAZZLTON - 8/1 fair/good w/Phillies BB, ID 2030, several 1490 PA spots noted. (PRM) LITCHFIELD - 8/1 - 8/3 2100 has come up o/RIEL w/s/off 1540 WSMI IL after legal ID 8 came spot in s/offi (BFS) (BFS)

 REFFORD - 8/5 2058-2100 Fint w/s/off, slight EXEL QUM.

 MADISON - 8/7 2000 noted w/s/off as "15-Q" (EDF) (B NTEM WI WWQH WI 1550 LAKE GENEVA - 8/1 2059-2100 fair/very good w/WOVL w/s/off. CHAMPORDSVILLE - 8/1 2100-2103 Nint o/CHE w/ID & HB game, NHIB WI MOVE IN rare here, (BPS) JOPLIN - 8/12 2058-2100 suspected them w/many partial IDS EQYE MO and s/off. (BPS) 1580 WEBJ MI ST. JOHNS - 8/11 2102-2116 dominating frequency w/late s/off @ 2116 w/FM 92 plug. (BPS) WEND PA EBERSBURG - 8/8 2014 poor/good QHB'd mente, of Osmbria County. (WPT)
 TALLADEGA - 7/22 2101 fair at s/off w/mention of WHTB-FM outlet. (WPT) COLUMBUS - 7/29 2100 fair w/s/off, ment. of FM outlet being MSP. (WPT) WVKO OH 1590 WPLW PA CARNEGLE - 8/8 2015 fair/good w/m/off. (WPT) MIDNIGHT AT THE CASIS WFIL PHILADELPHIA - 8/7 0127 good w/telk (unusual here). (WPT) 560 580 MCHS CHARLESTON - 7/22 0041 good w/OSH, wz & ID. (WPT)
- 590 WPLO GA ATLANTA - 8/7 0200 noted w/OAV mx, spots for state
- elections, Elvis Presley Story, A flood warnings. (00) BIRMIFGHAM 7/20 0153-0200 blasting in w/me sign of 610 WSGM
- WDAT, auroral maybe? (BPS)
 PREMADELPRIA 8/10 0026-0030 completely e/powering
- MIP. What withstery Sheatre & ID, then QSBed back down to
- actaing. (BPS) ST. LOUIS 8/5 off the air, 0030-0105, maybe longer. (JC) CHATHAK 8/5, 0036 w/mx/ads/IDs, heard once before. (JC) 630 KIOK MO CKRO WINNIERG - 8/5 0055-0103 w/Rock, nr & ID on the hour,
- Weak Wistrong OFOO, new. (JO)
 SAM FRANCISCO 8/3 0228-0230 IL DJ, 740 mx, PSA, then
 ID & Morld Tomorrow at 0230. (GG) KHBR CA
- 740 WKIS FL ORLANDO - 8/7 0137-0200 fair w/BT/TT/ID, called, reported, very friendly ... 020? (3PS)
 - TORONTO 6/23 0106 s/off, apparently off this time per CBL announcement, not 0110 per MRC log. (BPS)
 - ----- UNID 8/14 0202-0221 tester w/lotes II then Soul & BZL mx, looped NE/SW from Chicago area, S-7 very little QSB w/faint other station playing unreadable code IDs in background. Suspect MTLH...anybody else leg this or get an ID? (BPS)
- MONTREAL 8/14 good w/CKLW nulled, PJB QRM w/sports 800 OJAD PQ 0442 "OJAD Montreal" jingle, into Pop mx, all EE, then faded under. (PRM)
- OURTIAND 8/14 good 0509-0530 w/Modern 0&W, Promos as M93 KRTH Why? I called them, because 93 rhymes with WERT MY KRT" they said. Into local nx 0530, ABC/CBS net, FF ORM. New. (PRM)
 - WVOH GA HAZLEHURST 8/11 0559 very poor u/WOKI w/s/on, caught. only "WYOH" & "serving Jeff Davis County". (KDF)

930			UNID 8/14 0440 fair/good w/TT/00 & SSB 0456.
			covered by WGHT SSB, likely WFMD. (KDF) WARTBURG - 8/10 0604 poor w/SSB & s/on. (KDF) (KDF)
940	WECO	TN	WARTBURG - 8/10 0604 poor w/SSB & s/on. (KDF) (KDF)
960	WHAK	MI	ROGERS CITY - 8/8 0612 fair w/local nx, then MI Farm Net.
	WSBT	IN	SOUTH BEND - 7/18 0159-0200 faded up for a moment w/xlnt
			ID, then gone. (BPS)
970	CKCH	PQ	HULL - 7/31 loud 0400-0500 w/local WWDJ off. FF & EE
		- •	Rock, FF talk, (PRM)
1170	KFW	ID	FARGO - 6/23 0110-0113 ET/TT/mx, weak ID u/WWVA, v/ppc
			in 10 days. (BPS)
	KSTT	I.A.	FT. MADISON - 8/3 0620 fair in mess w/ID, then gone. (BPS)
1210	VILLEY.	000	SAGINAW - 6/24 0106-0200 ET/TT/00 in WOAU null, seems
			to test whenever IR trouble of any sort per v/1. (BPS)
1230	WCUZ	MI	GRAND RAPIDS - 8/11 0630 fair o/WQUA w/ID & wx. (KDF) (KDF)
1260	WBBG	OH	CLEVELAND - EX-WMGO 8/7 0559 noted w/ID & phone in show.
200	WINOO	TH	CHATTANOOGA - 8/14 0600 good w/s/on & Soul mx. (KDF)
	WJJJ	VĀ	CHRISTIANSBURG - 8/14 0600 fair u/WHOO w/s/on. (KDF)
1270	WLIK	TR	NEWPORT - 8/14 0559 fair o/WJJC w/s/on. (KDF)
1280	WITE	VA	APPOMATION - 7/30 0602 fair w/NA at s/on. (WPT)
1300	KGLO	IA	KASON CITY - 6/25 s/off way u/WTAQ OC, new. (BPS)
1,00	LUDO	***	Time was 0108. (BPS)
	WMTI	TH	MORRISTOWN - 8/8 0600 poor w/s/on u/WTAQ 00. (KDF)
1310	WIBA	WI	MADISON - ID on 7/10 & 0100-0101 what to their Die (BDS)
1320	KHHA	AR	MADISON - ID on 7/10 © 0100-0101, what is their DA? (BPS) F2. SMITH - 8/8 0555 hrd on unlisted f/c w/TT & 3-4 IDs
1)20	ANDA	A.D.	per minute. (KDF)
	MOTO	II	COVIEGTOR - 8/10 0614 poor w/ID & Cincinnati address. (KDF)
1350	WHILE	OH	AKRON - 6/21 0159-0200 poor w/ID in mess, new, (BPS)
1360	WILL	PA	MCKESPORT - 6/21 0144-0146 mangled ID u/WBAI. (BPS)
4300	ESGJ	TA	SIGUX CITY - 8/4 CLOS s/off w/SSB. (JO)
1380	WHET	II	WINCHESTER - 8/12 0600 good w/s/on & spot. (EDF)
1390	WISE	GA	AMERICUS - 8/7 0600 fair at s/on w/ NA. (WPT)
1400	WGIL	IL	GALESBURG - 7/10 0100 ID very poor in GY mess. (BPS)
1460	WAKS	80	FUQUAY-VARINA - 7/21 0024 good w/PoP. (JK)
1480	WJIT	HT	HEW YORK - Off RS MM 8/14 0327-0400 Bring w/00, started
E-100		-	to say WHOM when IDing, gave location as Ridgefield Park,
			EJ (XR site). (PRM)
	VLEE	VA	
	420	3/174	of Underwater Broadcasting "exclusively on 1480" at
			VA State Fair in Sept, ID followed by Powerline pgm
			Ø 0330. New. (PRM)
1490	WOLF	HT	STRACUSE - 8/1 0330 after "a brief period of technical
			adjustments" into Rock to 0400, bumper sticker promos.
			adjustments into Rock to 0400, bumper sticker promos, Mutual Mx 0340, request "phone 479-1000"atop w/WUSS
			QRM. WJIT slop, New. (PRM)
	WUSS	MJ	ATLANTIC CITY - 8/1 u/WOLF w/Soul mx, wx @ 0339, New.(PRM)
	WPOR	ME	PORTLAND - 8/14 fair/good 0337-0359 w/O&W mx, many IDs.
			a MM regular amidst WBOB/WJIT slop/OO. (PRM)
	WABJ	MI	ADRIAN - 7/24 s/off distinctly & 0007, must be change
			ADRIAN = 7/24 s/off distinctly @ 0007, must be change in sked as they are 24 hrs. per log. (JK)
1550	MIRA	EX	IRVINE - 8/5 0133 good on ET/ID/mx. (KDF)
1560	MOMA	OH	FAIRFIELD - 8/5 0020-0021 on ET/ID/TT. (BPS)
	WHUE	MI	PORTAGE - 8/1 0600-0601 XInt o/WDXR w/s/on, good bet
			for MI besides WJR. (BPS)
	EXAL	SD	ABERDEEN - 8/11 0400 noted w/02W mx using LW antenna
	-	400	noted on 8/5. (OG)

My eyes are a bit heavy so we'll wrap it up quickly. Next deadline is set for 9/8. Special thanks go out to John Callarman for his tremendous effort with The NRC Log, and to those fantastic Atlanta Area DXers that put so much time in to make the Convention a big success...and The LADS, who bring us all DXH 30 times a year. Nice going to Paul Mount & Bill Townshend for passing 500 heard. Welcome to all new reporters.



REPORTERS:

JC	John Clemmer, Peoria, IL	TRF, SM2
KDF	Karl Forth, Villa Park, IL	HQ-160, SM1
CG	Charles George, Dallas, TX	Drake SSR-1, SM2
JK	John Kromka, Montville, NJ	DX-16 0, LW
PRM	Paul Mount, Teaneck, NJ	Trf, SML
DS	Dave Schmidt, New Castle, DE	HQ-180A, Looped
BPS	Brian P. Sherwood, Elmhurst, IL	TRF, SMl
WPT	William P. Townshend, Washington, DO	TRF

Boy, that TRF is a good receiver for the money. See you in 3 biggies.



SERVING AMERICAN FORCES, THIS IS

MIKE HARDESTER

....K-M-T-H, MIDWAY ISLAND

Situated some 1150 miles/1851 kilometers northwest of Honolulu and 140 miles/225 kilometers east of the International Date Line is the tiny Pacific island of Midway. Discovered by Americans in 1859 and formally annexed on 28 August 1867, Midway is comprised of two islets: Eastern and Sand: the combined circumference of the reef is 15 miles/24 kilometers. In addition to United States government personnel, the atoll is home for the Laysan and black-footed albatrosses, also known as "gooney birds."

Part of the entertainment on Midway is provided by U.S. Navy Broadcasting Service Detachment Twenty-Seven which is headed by JOI Gary L. Gunderson in addition to three other journalists and an engineer. The broadcasting facilities consist of an AM and FM station plus television. KMTH AM radio signs on at 1700 GMT and operates to 0830 GMT sign-off on weekdays. On Saturday, the stations sign-on at 1800 GMT with 0100 GMT sign-off. Sunday sign-on comes at 1800 GMT and continues to 0200 GMT sign-off. The transmitter is a CCA AM 250-D with 250 watts on 920 kHz. The antenna is a "shunt feed water tower."

KMTH FM is completely automated with continual operation twenty-four hours daily with periodic station identification during the hour. Operating at 94.0 MHz, the FM transmitter is a Gates BFE 50-C with 50 watts into a Jampro model JAT 1/4-L antenna.

Operating on TV Channel 4, KMTH-TV begins its broadcast day at 0300 GMT and continues until 1100 GMT sign-off on weekdays. On the weekend, sign-on is at 2200 GMT and, as on weekdays, continues until 1100 GMT. The transmitter is an Acrodyne TT-230VL with 100 watts of power into a Jampro model JA-TV 2/4 antenna.

The AM radio commenced transmissions on 18 April 1953 at 7:00 PM local time (0600 GMT on 19 April). The dates when the FM and TV stations began broadcasting are not exactly known, though the FM station had a target date of 10 May 1976. Television began in the mid-1960s with color transmissions beginning in January of 1977. The KMTH stations are an independent affiliate of the American Forces Radio and Television Service (AFRTS).

it in und in page 4!

DX'ERS GUIDE TO NFL FOOTBALL

Compiled and typed by Bill Hardy.

Sources: CBS Radio Network; NFL teams; flagship stations; 8/7/78 issue of Broadcasting magazine.

NATIONAL NETWORK COVERAGE:

CBS Radio: All 16 Monday-night games. Four special night games on Sun. 9/24, Thurs. 10/26, Sun. 11/12, and Sun. 12/3.

Two games Thanksgiving Day, Thurs. 11/23. Two games on each of two Saturdays, 12/9 and 12/16.

All post-season NFL games, including playoffs (two per day) on Sun. 12/24, Sat. 12/30, and Sun. 12/31; AFC & NFC Championship Games, both on Sun. 1/7/79; SUPER BOWL XIII from Miami, Sun. 1/21/79; Pro Bowl from Los Angeles, Mon. night 1/29/79.

Announcer crews:

Jack Buck (play-by-play) and Hank Stram (analysis) will handle 26 of the 36 broadcasts.

Lindsey Nelson (pbp) and Jim Kelly (analysis) for 7 games.

Don Klein (pbp) and Jim Kelly (analysis) for 3 games.

All broadcasts start on radio 10 minutes before listed TV start.

Mutual Radio: In addition to feeding Dallas Cowboys games to a nine-state area (see Dallas listing), Mutual will provide nationwide coverage of NFL games every Sunday afternoon at 1600 ELT, beginning 9/3 and ending 12/17/78. No further details known.

Station lineups for above: CBS and Mutual affiliates, respectively, have "right of first refusal" for NFL games from their respective networks. If the affiliate doesn't want the game, another station in the market may choose to take the feed. The CBS games may be heard on a station lineup approximating the regular CBS network, but Mutual games are subject to wide variations from the regular Mutual lineup. Blackout restrictions: the CBS version of the game is "blacked out" in the home cities and regional network areas of the two teams involved, except for the Championship Games and Super Bowl where the blackout applies only to the two home cities. (The Pro Bowl is an all-star game, so there would be no blackout.) Mutual games probably have similar blackouts for the two teams playing.

REGIONAL NETWORK COVERAGE:

Symbols used: * indicates daytimer; + indicates station operates FM station which will also carry the games.

Flagship station is <u>underlined</u>.

(pbp) = play-by-play announcer; (anal) = analysis announcer.

Other symbols will be explained as they occur.

Information is current as of August 20, 1978.

ATLANTA FALCONS

WGST-920 (rest of 50-to-60-station network lineup unknown)

Chuck Thompson (pbp), Vince Bagli (color) 970 WAMD-MD 1240 WCEM-MD+ 1390 WEAR BALTIMORE COLTS 1390 WEAM-VA 1470 WTTR-MD*+ 680 WCBM-MD 910 WSBA-PA 1010 WCST-WV*+@ 1280 WBRX-PA* 1410 WDOV-DE 1530 WCTR-MD* 1430 WNAV-MD 930 WFMD-MD 1050 WMSG-MD*+ WHVR-PA 1590 WETT-MD 960 WBOC-MD@ 1230 WCMD-MD 1330 WASA-MD*+@ 1450 WTHU-MD@ WCBG-PA@ 1340 WEPM-WV@ WFIR-VA WNOR-VA 1460 WEMD-MD+ (plus 4 FM's) $\Delta V - \mathbf{W}QQW$

These stations are also on the Washington Redskins network. WASA-1330 is on three networks - Baltimore, Washington, and Philadelphia!

BUFFALO BILLS Al Meltzer (pbp), Ed Rutkowski (color), Rick Azar (color)
1240 WJTN-NY 1410 WDOE-NY 1460 WWWG-NY 1590 WGGO-NY*
1320 WHHO-NY* 1450 WHDL-NY 1520 WKBW-NY (no FM's)

CHICAGO BEARS

WBBM-780 (no regional network)

CINCINNATI BENGAIS Phil Samp, Jimmy Crum

WLW-700 (except that some games will be on WUBE-1230 instead, because of conflicts with Cincinnati Reds baseball on WLW) (rest of network lineup unknown)

CLEVELAND BROWNS

WHK-1420 (rest of 53-station network lineup unknown)

<u>DALLAS COWBOYS</u>
<u>KRID-1080 (Mutual Southwest Radio Network will feed some 250 stations in nine states; exact station lineups are unknown at this time)</u>

DENVER BRONCOS Bob Martin (pbp), Larry Zimmer (color) (the following "Intermountain Network" listing is only preliminary:) 550 KRAI-CO 1240 KRDO-CO 1360 KICX-NE* 1450 KGIW-CO 810 KWSR-CO* KFBC-WY 1380 KUVR-NE* KYOU-CO 850 KOA--CO KASL-WY 1390 KENN-NM 1400 KDTA-CO 1480 KPUB-CO* 920 KLMR-CO KRAL-WY 1490 KBOL-CO 1030 KTWO-WY 1260 KPOW-WY KBZZ-CO KGUC-CO# 1060 KLMO-CO* 1290 KOWB-WY 1410 KCOL-CO KUGR-WY 1140 KNAB-CO* 1340 KVRH-CO KAHL-NE KGOS-WY 1230 KEXO-CO KWYO-WY KSID-NE (plus 4 FM's) * KBRR-CO KWOR-WY # Specified-hours station KBCR-CO GREEN BAY PACKERS WTMJ-620 (rest of 50-station network lineup unknown) HOUSTON OILERS Ron Franklin, Ron Stone (the following "Texas State Network" listing may possibly be augmented by additional "Oklahoma News Network" stations in that state:) 1330 KVKM-TX 570 WFAA-TX 1130 KBGH-TX* 1490 KNEL-TX 690 KPET-TX 1150 WTAW-TX% 1340 WAML-MS KSAM-TX 740 KRMG-OK 1200 WOAI-TX 1500 KTX0-TX* KWKC-TX KTRH-TX 1220 KVLL-TX* KAND-TX 1510 KMND-TX* 800 KDDD-TX* 1230 KLVT-TX KLBK-TX 1530 KGTN-TX* 910 KNAF-TX* 1540 KGBC-TX KGRO-TX KTEO-TX KSEY-TX KRIO-TX 1390 KULP-TX*+ 1550 KWBC-TX* 920 KYXX-TX 1240 KXYL-TX 1400 KDWT-TX# 1580 KTLU-TX* 980 KFRD-TX* 1250 KPAC-TX 1440 KEYS-TX 1590 KGAS-TX* 1010 KKIK-TX* 1260 KPSO-TX* 1450 KMBL-TX 1600 KEWS-TX* 1050 KPXE-TX* 1280 KTTX-TX*+ KMHT-TX KXVI-TX* 1060 KCLT-TX* KLUE-TX* KNET-TX (plus 13 FM's) 1290 KIVY-TX* KSNY-TX % Daytimer with CP to go fulltime # Specified-hours station KANSAS CITY CHIEFS KCMO-810 (rest of 53-station network lineup unknown) LOS ANGELES RAMS Al Wisk, Dick Bass, Steve Bailey (note: three pre-season games will be carried on KLAC-570 rather than KMPC-710, because of conflicts with California Angels baseball on KMPC) 570 (see above) 710 KMPC-CA 1240 KSMA-CA 1400 KTUC-AZ 1450 KOWN-CA+ 920 KORK-NV 1280 KFYV-CA KVOY-AZ KTIP-CA 1560 KPMC-CA 970 KCHV-CA 1340 KFBR-AZ KAAP-CA 1230 KWTC-CA KDOL-CA+ AUNG-UA (plus 2 FM's) KXO--CA KSFE-CA 1440 KPRO-CA KPRL-CA MIAMI DOLPHINS Rick Weaver (pbp), Henry Barrow (color), Hank Goldberg (color) 610 WIOD-FL 1060 WRMF-FL 1250 WDAE-FL 1490 WTRL-FL 740 WKIS-FL 1150 WNDB-FL 1270 WNOG-FL 1500 WKIZ-FL 850 WEAT-FL 1230 WONN-FL 1600 WJNJ-FL*+ WTNT-FL 1400 WTRR-FL 960 WJCM-FL* 1240 WINK-FL (plus 4 FM's) MINNESOTA VIKINGS Ray Scott, Grady Alderman 1230 KTRF-MN 570 WNAX-SD 1320 KOZY-MN 1410 KRWB-MN 710 WDSM-WI 1240 WMFG-MN 1340 KVBR-MN 1450 KBUN-MN 830 WCCO-MIN KPRM-MN KDLM-MN WELY-MN 930 KSDN-SD 1250 KBRF-MN 1360 KEYZ-ND KVCK-MT 970 WDAY-ND 1260 KROX-MN 1400 WHLB-MN+ 1480 KSDR-SD* 1220 KOUR-IA* 1310 KNOX-ND 1520 KLYX-SD* KEYJ-ND (note: two additional stations are listed as (plus one FM) "tentative" and may join up: 1490 KRIB-IA, and 1570 KQWC-IA*) NEW ENGLAND PATRIOTS Gil Santos 930 WWNH-NH 1110 WHIM-RI* Gil Santos, Gino Cappelletti 110 WHIM-RI* 1340 WFAU-ME 1400 WIDE-ME 1000 WHWB-VT* 1170 WVLC-MA* WBRK-MA WLTN-NH 1030 WBZ--MA 1080 WTIC-CT 1230 WJOY-VT WDCR-NH 1450 WRKD-ME 1240 WSKI-VT 1380 WOWW-CT 1490 WTVL-ME WNUS-MA (plus one FM)

While I have the space, I'll put out a call for information on NBA basketball and NHL & WHA hockey broadcasts. If you live in an NBA, NHL, or WHA city, please call or visit your local team and/or its flagship station, and send the info to Bill Hardy, 2301 Pacific Ave., Aberdeen, WA, 98520. Please get the info to Bill by Sept. 30th if possible! Thanks.

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NEW ORLEANS SAINTS
                   Wayne Mack (pbp), Danny Abramowicz (color)
   710 WKRG-AL
                   1250 WHNY-MS
                                     1360 WFFF-MS*
                                                       1430 KMRC-LA*
   810 WSJC-MS
                   1260 WGVM-MS*
                                     1380 WNLA-MS*
                                                       1440 KMLB-LA
  900 KREH-LA*
                        WNSL-MS*
                                     1400 WFPR-LA
                                                       1450 WNAT-MS
  1050 KLPL-LA*
                   1270 KVCL-LA*
                                          KAOK-IA
                                                       1470 WCHJ-MS*
  1080 WECP-MS*
                        WVOM-MS*
                                          KWLA-LA
                                                       1490 WIKC-LA
 1110 KPAL-LA*
                        WMLC-MS*
                                          WBIP-MS
                                                            WLOX-MS
                   1280 WGS 0-LA
 1230 WHSY-MS
                                          WNAG-MS
                                                            WCLD-MS
 1240 KASO-LA
                   1340 KRMD-LA
                                     1420 KPEL-LA
                                                       1510 KAGY-LA*
                         WKCU-MS*
       WGRM-MS
                                          WIGG-MS*
                                                        (plus 14 FM's)
NEW YORK GIANTS Jim Gordon (pbp), Dick Lynch (color)
  WNEW-1130 (no regional network)
NEW YORK JETS
 WOR-710 (no regional network)
OAKLAND RAIDERS
  KGO-810 (rest of 13-station network lineup unknown)
PHILADELPHIA EAGLES Merrill Reese (pbp), Jim Barniak (color) 590 WARM-PA 1070 WKOK-PA+ 1360 WPPA-PA+ 1480 WSHI
                                                       1480 WSHP-PA*
   610 WIP--PA
                   1260 WNRK-DE*
                                     1400 WOND-NJ
                                                       1510 WJIC-NJ*
   920 WTTM-NJ
                   1280 WBRX-PA*
                                     1440 WMVB-NJ*+
                                                      1600 WPDC-PA*+
   940 WVLV-PA*
                   1330 WASA-MD*@ 1450 WILM-DE
                                                        (plus one FM)
    @ WASA-1330 is on three networks - Philadelphia, Baltimore, & Washington.
PITTSBURGH STEELERS Jack Fleming, Myron Cope
  WTAE-1250 (rest of 35-station network lineup unknown)
ST. LOUIS CARDINALS Bob Starr, Bill Wilkerson
  KMOX-1120 (rest of network lineup unknown)
SAN DIEGO CHARGERS Tom Kelly, John DeMott
  1130 KSDO-CA
                   1300 KROP-CA
                                     1370 KWRM-CA
                                                       1450 KOWN-CA
                                                        (plus one FM)
SEATTLE SEAHAWKS Pete Gross (pbp), Don Heinrich (color),
                    Wayne Cody (comments from the sidelines)
   560 KVOK-AK
                     850 KICY-AK
                                                      1450 KLAM-AK#
                                     1240 KXLE-WA
       KPQ--WA
                    920 KXLY-WA
                                          KGY--WA
                                                           KONP-WA
   610 KONA-WA
                     930 KTKN-AK
                                     1280 KIT--WA
                                                       1470 KSEM-WA
   630 KJNO-AK
                   1130 CKWX-BC
                                     1320 KXRO-WA
                                                       1490 KVAC-WA
   660 KFAR-AK
                   1150 KNOI-WA*
                                     1340 KIHR-OR
                                                            KLOG-WA
   700 KBYR-AK
                   1170 KPUG-WA
                                     1370 KAST-OR
                                                            KTEL-WA
   710 KIRO-WA
                   1230 KIFW-AK
                                     1390 KSLM-OR
                                                       1520 KYXI-OR
                        KOZI-WA
                                     1430 KBRC-WA
                                                       (no FM's)
      # Specified-hours station
TAMPA BAY BUCCANEERS Dick Crippen, Dave Kocourek, Jack Harris
  WFLA-970 (rest of 32-station network lineup unknown)
SAN FRANCISCO 49ers
                     (On KSF0-560): Lon Simmons (pbp), Gene Nelson (anal)
                      (On KCBS-740): Don Klein (pbp)
  (note: games on 8/25, 9/24, and 10/1 will be carried on KCBS-740 rather
   than KSF0-560, because of conflicts with San Francisco Giants baseball
   on KSFO)
   560 KSFO-CA
                     740 (see above) 1230 KDAC-CA
                                                       1490 KSYC-CA
   580 KMJ--CA
                     970 KBEE-CA
                                     1400 KQMS-CA
                                                       1530 KFBK-CA
   620 KWSD-CA*
                     980 KINS-CA
                                          KUKI-CA
                                                        (plus one FM)
   630 KOH--NV
                     990 KHVH-HI
                                     1450 KVML-CA
WASHINGTON REDSKINS
                     Dan Lovett, Sam Huff
   540 WDMV-MD*
                    1000 WKDE-VA*+
                                     1250 WEER-VA*+
                                                      1450 WTHU-MD@
   550 WSVA-VA
                   1010 WCST-WV*+@
                                     1330 WASA-MD*+@
                                                            WFTR-VA
   630 WMAL-DC
                   1060 WMAP-NC*
                                     1340 WKEY-VA+
                                                            WREL-VA
   790 WSIG-VA*
                   1070 WINA-VA
                                          WJMA-VA+
                                                       1460 WRAD-VA+
                   1220 WLSD-VA*+
   910 WRNL-VA
                                          WEPM-WV@
                                                      1470 WBIG-NC
                   1230 WCBT-NC
   930 WLLL-VA*+
                                     1370 WKIK-MD
                                                       1490 WOPI-TN
   960 WBOC-MD@
                         WFVA-VA+
                                     1400 WHLF-VA+
                                                            WVEC-VA+
                   1240 WJEJ-MD
   970 WANV-VA
                                          WINC-VA+
                                                       1590 WCBG-PA@
                        WSSV-VA
                                                        (plus 8 FM's)
     @ These stations are also on the Baltimore Colts network. WASA-1330
```

is on three networks - Washington, Baltimore, and Philadelphia!

ADDITIONS, DELETIONS, AND OTHER CORRECTIONS ARE HEREBY REQUESTED FOR THIS LISTING. Especially needed are network lineups from Atlanta, Cincinnati, Cleveland, Dallas, Detroit, Green Bay, Kansas City, Oakland, Pittsburgh, St. Louis, and Tampa Bay.

PLEASE SEND ALL NFL STATION INFO TO: Bill Hardy, 2301 Pacific Ave., Aberdeen, WA, 98520, as soon as possible. If needed, an updater will appear at a later date. Thank you.

TILTING 'T-BAR' ANTENNA TUNER FOR THE REALISTIC TRF

Gerry Thomas (IRCA, NRC, DDC) Charlie Barfield (NRC, IRCA, DDC)

11

Recently, in both the DX Monitor and DX News, there have appeared a number of suggestions for improving the Realistic TRF's response to external antennas (Thanks--Nick Hall-Patch, Chris Bobbitt, Mark Connelly, et al.). While all of these suggestions represent a definite improvement over the stock state-of-affairs, we believe that the system described here offers some unique advantages and a measure of versatility that should be of interest to TRF owners.

Basically, this accessory is a simple antenna tuner that is built into the TRF's cabinet and inductively coupled to the TRF's ferrite loop. Since it is a <u>resonating</u> device, another stage of tuning is added to the TRF's <u>circuitry</u> before amplification (with the resulting benefits of increased sensitivity, improved selectivity, reduced spurious response potential, etc.). However, what makes this system somewhat unusual for a built-in tuner is the fact that the degree of inductive coupling can be manipulated by the user. Being able to vary inductive coupling gives the DX'er some control over two important variables. First, signal strength can be adjusted to an optimal level. Secondly, the "Q" or "sharpness" of the tuning curve can be varied from fairly broad to relatively sharp. In fact, when set for maximum "Q," the tuner we use requires peaking every 10 kHz at frequencies below about 1300 kHz. (Being able to peak a target frequency above adjacent frequency splash has some rather obvious advantages.) A bonus feature of this unit is that, since a fairly large ferrite core is used in the tuning circuit, the TRF's built-in antenna is given a modest but noticeable boost even without an external antenna attached. This boost is most apparent below about 1000 kHz and also can be varied. Finally, this system exhibits a "notching" characteristic which, in some instances and with extremely careful tuning, can help reduce interference from nearby channels.

Given the preceding features of this external antenna tuner, one might think that its cost or construction would be prohibitive. In reality, this project is almost embarrassingly simple and fairly inexpensive. The key element in this parallel resonant circuit is the ferrite loop assembly which is of the "swing-away" or "tilting" variety used on the backs of AM/FM stereo tuners and receivers. Actually, the most difficult part of this project is obtaining one of these assemblies. It is possible to order one from stereo repair shops or departments, but rather than wait, we scavenged a nice "T-bar" type from a seldom used Pioneer AM/FM tuner. Besides terminal connectors, the only other component required is a miniature (the small (1"-square) size is important) mylar-gap 365 pF variable capacitor (VC). These are available for less than \$2.00 from several manufacturers but we used the Calectro A1-232. Our total construction time for this project was less than one hour and assembly was quite strightforward.

Construction

(To conserve space, these instructions are necessarily brief. Detailed, step-by-step instructions can be obtained for a SASE from Gerry Thomas, 2355 W. Michigan Ave., #460, Pensacola, FL

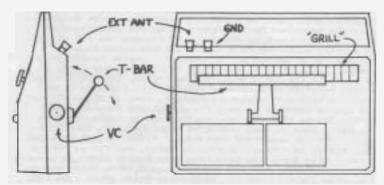
- 1. Drill hole and mount VC between earphone jack and battery compartment bulge on inside of cabinet -- shaft of VC exits from right side of cabinet.
- 2. Mount T-bar assembly on the rear (outside) of TRF so that its ferrite bar (when closely coupled) touches and is parallel to the "grill" (running the length of the top, rear of TRF).

12

3. Drill hole to enter T-bar's wires to inside of TRF and connect wires across VC.

- 4. Mount connector (binding post, jack, etc.) for external antenna input and connect to one side of VC. Another connector can be added to the other side of the VC for an external ground connection, but at our location (with its poor soil conductivity) our apparently inefficient external ground seemed to have little effect.
- 5. Attach longwire and adjust T-bar's ferrite slug in the usual manner for high- and low-end peaks.

Notice that no physical connections to, or modifications of, the TRF's circuitry are required.



(Note: Exact T-bar mounting point for optimal performance will vary according to individual T-bar's size, gain, tilting assembly, etc.)

Operation
With no external antenna attached and the T-bar swung away, the TRF will perform as stock. Swinging the T-bar close to the grill and adjusting the VC will result (especially on weak stations below about 1000 kHz) in a signal increase above stock. Attaching a longwire will show a much larger increase (across the band) in signal level (VC might require re-peaking) that can be adjusted by re-positioning the T-bar. You'll find that moving the T-bar closer to the TRF's grill will give you an increase in signal strength and a broadening of the tuning peak, whereas positioning the T-bar farther from the grill will result in a decrease in signal level but a sharpening of the tuning peak. Furthermore, you'll discover that by careful T-bar positioning and VC setting, interference from nearby channels can sometimes be lessened or eliminated. Realize that since several of the variables are functionally correlated (e.g., gain and "Q") optimal use of this system requires a "fine touch" and perhaps a bit of practice.

Concluding remarks

The variable inductive coupling feature of the "T-bar tuner" has, at our location, been totally effective in preventing any overloading problems caused by strong locals. Living in the shadow of a 50 kW'er, however, might require the insertion of a potentiometer between the antenna input and its VC connection. Also, we have used this tuner on antennasranging in length from 10' to 145' with no capacitance alteration...hopefully you'll be as lucky. Finally, suggestions for improvement are always welcome. Especially welcomed would be reliable sources (mail-order) of the ferrite core assemblies.

73's & "YellriFid" DX

ERNEST R. COOPER 5 ANTHONY STREET PROVINCETOWN, MASS. 02657

The opinions expressed in this column are those of the individual members. and do not necessarily reflect those of the editors, publishers or NRC.

ANDY RUGG - 668 de Gaspe - Apt. 400 - Nuns' Island, Quebec - H32 1H9 VERMOR Thanks to RON SIBBITT for the CKJD bumper stickers. On 24/7 I was gratified to log the WANM-1070-TEST. It was in & out from 12:05 to 1:05 a.m. with all sorts of TT. The only ID that I discerned was at 12:43. There was QRN, QSB, & QRM - what a battle!

'Twas my first Florida logging since 10/66. New veries are WANN-1070 CRL-1165 & WWWG-1460. I now have 1,479 veries from 1,552 loggings. In the 1978/79 season it would be mice to hit 1500 veries. Now that I've spent over half my life in the NRC, it's time for a re-intro. I'm 33, single, and a financial executive with a sleepy old paper company. In 1957 I started as an SML. I drifted into BCB DX in 1960 & joined the NRC in mid-1961. In 1967 I got my ham ticket. I've lived most of my life in Quebec, a lovable and tumul tuous place. The rest of the time I resided in Ontario, namely Ottawa, Georgetown, Waterloo & Toronto. In 1962-65 I worked on the NRC CPC and lined up a handful of TESTs. I hosted the 1966 Montreal NRC Convention, & attended seven others. From 1961 to 1965 I DXed obsessively. The zemith of my career was that season of 1964/65 with 30 new TAs & a plethora of other goodies. Once that season petered out I diverted my energy into university studies, and DXing began to wane. It really tailed off in 1967 when I graduated from McGill U. and became an overworked apprentice in a firm of Chartered Accountants. I passed my CA exams in 1969 and moved to Domtar in 1971. The rat race and apartment living certainly detracted from my DMing & I've only added 130 new catches since mid-1967. The nadir years were 1970 (three new ones), 1975 (only one), and 1976 (two catches). When my workload gets heavy I barely have time to read DE NEWS. Lately, things are calmer & I can find the time for DNing. The "TRF" solves some of the problems of apartment DXing but remains a comedown from the mifty DX that I used to relish. All things are relative and I still get a kick out of every new catch. In the very early 1960's, I would sulk if I only got five new ones on a MM. These days I get suphoric with five new ones in a month. 73.

WILL BE REALING HIS POETRY ON FM's WBAI-99.5

WURTZEL - 32 West 31 Street - New York, New York - 10001 212-594-4892 8/4/78 I have an unusual DX reception to report. The night of July 24 around 10:20 p.m. while turning by 1260-70k I heard a faint signal with mention of the book of Proverbs. pumishing children, & "Back to the Pible." I was certain it was R. Paradise on 1265k. This was on a small Panasomic transistor model RF-513 while in Madison Square Park in Manhattan. I lost the signal quickly. A new member of the NRC, LARRY RUHIN in Forest Hills, called me recently & we talk on the phone each week. A poetry reading at Saint Clements Church in York was tape-recorded by station WBAI, & I read about five minutes of poetry. This will we broadcast by the station in the near future, possibly in September. The audience laughed some of my humorous poems, &I went over well. Anyone within range of WBAI's signal at 99.5 F. should try to hear my reading. They will enjoy it. A limerick I wrote about and sent to BRUCE CONTI is included. We all should know that super-power is coming to this heaisphere with a Caracas, Venezuela station on 750k soon going to 600kw. I could not get up to the AMARC Convention in Canada & will not be able to attend the ATLANTA Convention. Here is some humor for this issue. First, a poem about renewing to NRC:

My subscription to DX NEWS Is about to expire Shall I try to stay on as a member? or will I retire?

Now, two limericks:

A Canadian Dier who lives in Gander Was playing with his pet salamander It crawled into his radio set And he micked up a het which turned out to be Soviet propaganda. I like the magazine so much There is only one thing to do Send in my money order It is time to renew!

At a recent convention of ANARC The sky grew overcast and dark Distant stations were being heard Including the song of a bird And one Dier picked up Canoga Park.

MAY HOST THE 1979 IRCA CONVENTION

JOHN CLEMER - 2937 West Gilbert - Peorls, Illinois - 01004

I've had some fairly decent DX lately thanks to WMBD & KNOK being off the air recently. SEE DDD for details. I received a very friendly v/1 from WFAR-1470 Farrell, Pa. I had a great time at the WTFDA Convention in Louisville. I am looking forward to the upcoming DX season. I am going to submit a bid to host IRCA's Convention in '79. ST. LOUIS looks like the forerunner to host IRC in '79. It has been suggested that IRCA's convention be moved back to the westend before Labor Day (annual date of NRC's Convention) making it easier for people to attend both conventions, as St. Louis is only 170 miles from here. Please let me know if you have any ideas, preferences, on the dates of IRCA's convention either Aug. 10-11-12, or Aug. 24-25-26, the weekend before Labor Day. The graveyard station maps in a recent DX NEWS ought to be an invaluable DX aid. Good DX & 73.

A NEW DN SEASON IS UPON US. HOW ABOUT ARRANGING A TEST WITH YOUR LOCKET.

WHO'S HEARD WFIR-960?

PAUL MOUNT - 471 Emerson Avenue - Teaneck, New Jersey - 07656

6/5, con'd.: Four on 1590 - a TTer, two w/rr & one talker. One rock pest WAKR, the talk WQIQ, ex-WEZ Chester, Pa. Now here's something odd. On 620 I was getting a station with "I Was Only Joking" loud, & assumed to be WHEN, & it was WIMJ again. But in Palisades Park (two towns over) IRCA member Mike Anderson heard WLBZ Me., which I've never heard! And not WIMJ. WJW-850 O. & 3:34. Cuban on 880. Another mightmare: Mix of WNJR & WNEN on 880. How does this work! With WWDJ-970 off, WEIR-960 Roanoke heard. I spoke to DXer Bill Brattan who said that their all time farthest report was from Albany, N.Y.! They didn't believe the Chicago call. We spoke of DX stations heard, then I hung up after he asked "Have you ever tried to hear WET!" Hasn't anyone in their night pattern heard wFIR from a distance greater than Albany, which is not "in their pattern"? Finally, w/WHN off Father John told me of "XEG-1050 on the AM dial with 150,000 watts," and WNOE-1060 w/KYW on OC at best. After that only some groundwave FM the next AM. 73.

BACK FROM BARBADOS

KARL JETER - 2816 Frontier Trail N.E. - ATLANTA, Georgia - 30341

Greetings! Now that vacation time is over, and Convention time draws near. I find a few moments to report in. The two-week stay in Barbados was immensely enjoyable. I took the TRF for some DI, but found little time for that. I did some daytime checking and it was interesting to note SA's on many channels during the day. Barbados is oney 300-0r-so miles from SA, so it is not surprising. I managed to make a short tape of some daytimers, which is now with Chuck Hutton, our trusty IDXD Ed. He'll check it out and report anything of interest in his column. My recent Diploits: 8/1- WBUL-1220 Ala. noted s/off a bit early 68:27pm. Shortly after, a strong signal on 1220 w/rr, mentions of FM 93.5 @ 8:38pm. It turned out to be naughty WLSD, who forgot it was August, and were on their July sked! Too bad they were unn, because they were L&C! I got up early 8/3, and heard WIFM-1540 @ 6:31am w/ads and "Open Mike" program. Seemed early for a call-in show, and I didn't hear any calls - only mx & spots! Back to 7/31, I heard unn R. Cayman-1205 @ 12:29am w/what sounded like a s/off. Hetting 1205 was something on about 1206 or so, which Chuck tells me is Haiti on 1206.5. It's hard to tell on an HQ-150, hi. That's all my meager DX for now. The following veries piled up in my absence: WQOK-1440, WXRS-1590, WKGN-1340, WVMG-1440 (two letters) WGOC-1090, all v/ls. WERM- 1250, WRAD-1460, v/PF/c's, & WFEL-1390 w/v/q. I sent the v/s to Ermie. Registrations are coming in quite well for Labor Day - I hope to see lots of you there, I mean HERE, hi! 73's. (Here we ARE, Karl, hi! -ERC)

NEWS ABOUT THE CHICAGO RADIO SCENE
KEN ONYSCHUK - 239 Fir - Park Forest, Illinois - 60466 8/1/78

I just thought I'd update the membership on the Chicago scene. In late September WIND-560 will dumo all its mx & institute a 24-hour NX & talk format. w/NX blocks during morning & afternoon drive time and talk shows all other hours. Staffers retained will be Dave Baum, "Contact" host, AN man Eddie Schwartz, & Clark Weber, plus SX reporter Jim Durham. The change will put WIND in more direct competition with WGN & WBEM. By the time you read this, WCFL will be Mutual 5.5.'s solely owned station - price: \$12 million. With the possibility of Paul Harvey ending his 30-year relationship with ABC radio, to join Mutual. WAIT-820 is having its trouble with poor ratings. After 11 years at WJOB-1230 John Anastaplos switched to WAIT for \$24,000 a year. He was canned July 28, four months on the job for so-called "conduct unbecoming an air personality" by declaring himself a Greek first, an American second! plus similar statements. However, look forward to a format change soon, possibly to BFL or commercial religion. WLS is slowly phasing out the jobs of DJ engineers who run the controls. By September, staffers Jeff Davis & Yvonne Daniels should be engineering their own shows. Personal DX: New stations heard: KNWS-1090 Ia. was heard in early June at 9:25-9:30 w/WX, strangely alone, no WGLC or anything else at the time. 6/22- WHUT-1470 Ind. Hoosier #42 o/u WM3D 3/T-40, ID 6:50-7am. WMCL-1060 ILL. #97, heard 7/16 3 9:15pm s/off alone on car RX after fishing at a local pond. 7/26- On 1460, still looking for WRIL. I had WOCH Ind. #43 at s/on 3 7am. CPC TESTs: WLKN-990 was a no-show, just weak WNOX. WARM-1070 a noshow; WTSO c/w overpowering WIBC at times. I will probably try for WOWN-1380 Aug. 4. I spent my vacation late June in Springfield, Decatur, & St. Louis. I stopped at MARTY WRIGHT's place for a short visit. He's quite a DXer. I'm looking forward to his Musings. However the 950 heat was too much for my three children. My daughter came down ill so we had to go home after four days. I got a copy of the 1977 Broadcasting Yearbook from a friend, Larry Cordes who used to work at Ch.50, St. John, Ind. It's a terrific book. Enjoy your Summer vacation!

WWDE-1490 IS ON - EX-WVEC

EDWARD R. COTTON - 4106 2nd Street - Chesapeake, Virginia - 23324

Hi all. No DX to report. I've been concentrating on TV-FM. The way this season was I should have stuck with MW DX. The only thing to report is WVEC-1490 changed over to WWDE & Adult contemporary mx on 7/31. Now, get this original ID they have - 2-W-D-1 I just love it, don't you, hi hi. Also, WDKT-1270's format is now EL mx, ex-WTID. I hope to get back to more serious DX now that the season is almost back upon us, or did it ever leave? I can't make it to ATLANTA but I will make it in these pages more often this season. I like your headline idea for the Musings, Ermie - keep up the good work! 73's from the only DXer I know of in Chesapeake, Va. (and this city covers 344 square miles).

THERE'S STILL TIME FOR Y-O-U TO BE IN THE NEXT ISSUE OF "DX NEWS"! BUT YOU'LL HAVE TO HURRY - DEADLINE IN PROVINCETOWN FOR MUSINGS IS MONDAY, SEPTEMBER 11. PLEASE LET'S HEAR FROM YOU!

SAYS MANY ACTIVE MRCers DON'T MUSE!

MORTON D. MESHAN - 7682 North Star Avenue - Twentymine Palms, California - 92277 8/2/78 Aug. 2 1932 I started BCB DXing when I was a teemager. My veries ended at 603 in 1937 from my New Jersey location. I then moved from place to place. Think of the postage I saved over those years by not verifying many more! So now 46 years later on Aug. 2nd at a recently new location I'm going to start a new log of BCB stations heard. Except for DI TESTs I doubt if I'll write for verifications but my goal is to hear 603 stations in one year. On the local scene KCMJ-1010 Palm Springs is now announcing they are located in the Gene Autry Hotel. Previously they had a small house as main studios, located on the N end of town under their IR. It was very crowded & sure didn't look like a CBS level station then. I haven't seen their new studios but they must be a big improvement as they are better located. I don't know why, but my reports to MRC & IRCA often bring letters from members I've never seen in print asking about the 29 Palms Beverage, the Panasomic RF2200, the Bardlow-Wadley, etc. Things I mention in my reports but which I'm not an expert on. these numbers are numbers of rock groups, radio announcers, etc. One was even a langer. So we must have many active or semi-active Diers who read the bulletins and just don't get around to reporting. (Alas, "The Silent Majority"-ERC) I notice MRC & IRCA print a complete list of members with their addresses. I & many others keep these lists handy & use them. I sure wish the NNRC would also list their numbers with home addresses. I've belonged to NNRC since 1935, longest of any clubs I belong to. Back in the 30's they had the most numbers & the game was to keep addresses secret so other dubs wouldn't steel their members. But, things have changed since then but my sentimental favorite club hasn't changed as they still keep numbership lists secret. This coming season I hope to report more often as I expect to have more time to DI, FINALY! with a GRANT NAMBUNG altered FRG-7, a Barlow-Wadley, a Panasonic RF2200, a Sony 5900, a few TRFs, & some old time sets I've got the RIes. For antennas, RALPH SAMSERINO's Loop rates #1 with me & I've also got a Radio West & am 3M-2 to use, also outside wires. A three or four foot wire loop takes up more space but gives a better mill than the ferrites that take little space. Please repeat how many lines you allow. (30 -ERC)

TAKES TOUR TO SASKATCHEMAN

JAMES E. CRITCHETT - 1635 Walbridge Street - Med Bluff, California - 96080 7/31/78

I have not reported recently, because I have not heard anything of much value to other Diers. We took a trip from June 14th to the 26th through Iellowstone and Medicine Hat, Alta. to Saskatoon, then SE to Weyburn and Portal and back through Bouglas, Myo. We stopped at CFSL-1190, Weyburn to report hearing them here during the silent period of MEK, Portland. They said that I should not; but I noticed they were still coming in 6 & 6:06 on Sun. 7/23. SM 7/9 6 3:56 on 1080, EMJ Fortland went off, to return 6 9, EDT. EMLD only was heard after that time. The 550 frequency surprises me. MM 7/17 6 7sm I heard MBC MX, and at its end, MFIR, Bismarck IDed. No KBOW, Butte. EDI & KHI IDed, also. On 1130, ERDU, Dimbba, is now AM except MMs. The Central Americans are beginning to show. IML-750 Managua, IDed as "La Eckes" 6 5:16, & as "Y Cinco" 6 6:09, 7/31. The Boise station on 630 used "KIDO, Boise" 6 s/on 6 7:01, so no change to MMA, as authorized in the 7/24 Broadcasting Magamine. I will try to report the interesting ones soon after being heard. Have Convention fun, and travel safely, and keep Ernie busy.

LIKE JIM ABOVE, BILL HEARS CFSL-1190 ON SUNDAYS

HILL HARDY - 2301 Pacific Avenue - Aberdeen, Washington - 98520 8/14/78 Since I don't have to work Sundays but do have to work Mondays, I've been spending a few 3M DX sessions lately. Such a session was 3M 7/30 when I got up 6 6am in hopes of hearing something exotic on 1190 w/KEX off. 6:15am, a PSA talk show suddenly appeared out of nowhere. This matches July pattern change for MOMO, but the talk show rambled on with no IDable info till KEX popped on for an ET 6:29-6:32ml After that, the unID had faded too far into the mud to ID. Rats. 7:02mm, CFSL suddenly appeared out of nombers w/strong signal, in middle of MX, many Saskatchewan stories, folo by "S-L WX", CST TC, & into pop mx 6 7:04mm. They were still way atop @ 7:26. I thought the change to 10kw ND was an error until I checked the SRS/SSS maps & saw that July LSR there was indeed 7aml 7:13 mm I tuned into 1150 & heard "CKX" mentioned u/KAYO; they had "CKX Sports" @ 7:20%, o/u KAYO, both good signal s. I also had some c/w on 1080 when KWJJ wasn't OCing or Ting - probably unn CKSA. I noted some possible sked changes from KONA-610 & KHVH-990 later, which I'll send to DDXD. As one who's had the privilege of seeing advance proofs of the new NRC Log, I can assure everyone that it is bigger & better than ever. The two lists of applications for FCC CP's alone are worth the price of the Log, & listings such as operating hours, formats, & MI skeds are being fine-tuned as more & more Diers report the correct info from their local areas. Be sure to get this new Log, & be sure to let JOHN CELEMAN know of any incorrect listings. John is too humble to admit it, but it's a mountain of work to type such a project single-handedly, so we should ML be grateful for his time and efforts! In fact, let me say thanks to ML the editors and publishing crew that make it possible to read DI NEWS 31 times a year! 73, y'all (I guess, that a what you say to a Club whose Convention is in ATLANTA, hi?)

WGRC-1300, ex-WEQW, MAKES INTO QUEENS DATLY
ERIC FADER - 23-35 Bell Boulevard - Bayedde, New York - 11360

Hi folks - some DX tried lately, to wit: 8/4- WDWW-1380 TEST not noted u/local WBNX; I doubt it was on by 12:15 when I gave up. I did hear a TT u/WCKY-1530 if that helps, hi, 6 12:03am. 8/5- In years of trying I never heard WKQW, but WDRC-1300 N.I. (call change) was heard early 3:35-4pm w/local BB game o/WAVZ null, ovbiously not the old WKCW pattern. They IDed so I wasn't fantactsing hi. BM 8/7-1:16-1:19am qut unID ik TT loud on 940, ditto 740 @ 1:22, Canadians? Unn WKRC-550 good u/unID talker (WGR) 1:24 W/SID. Who's SID, hi?) 73s.

LET'S ARRANGE LOTS OF TESTS THIS SEASON! STEPHEN FRANCIS - 1620 Lodge Street - Alcoa, Tennessee - 37701 Summer TEST results, such as they are: 6/14- I forgot to try for unn WJVA-1580. MM 6/19- Unn KUOA-1290 good 3 1:04 o/WTOC ,/march mx. MM 7/10- Trying for WHHO-1320 yielded somebody w/brief TT & two plays of oldie "Ferry 'cross the Mersey" twixt 12:43 and 12:56, but too much WVOJ/WKTQ/WOIC for ID, if any. A call @ 1:10 to try and get confirmation of the song went unanswered. MM 7/24- Unn WANM-1070 fair u/WIBC w/TT and station address. Mary a teace of WNIC-830, WHHO-1320 (7/17), WENW-1470, WINF-1230, WLW-990, WWCO-1240 or WDWM-1380. Otherness: WAKI-1230 Tenn. briefly atop on day rig @ 8:32pm, 5/20. 5/30- WQQW-1590, Conn. poor u/WAKR/WYIG w/Larry King AN Show & "Q-Q Radio 1590" promos during breaks, noted 12:04-1:30. 6/3- The New WYRS-1590 Ga. fair @ 6am s/on for #2,199, a total I remained stuck at for seven long weeks. 2,200 came & 2:24am on 7/22 w/CJBK-1290 Ont., heard almost by accident bile trying to find some decent music for listering. They were sometimes topping WTOC/WHIO; I strongly suspect a misbehaving pattern. This is the last "4-00" catch I ever expect to hear, unless SPs come back in style. 7/29- WLTD-1590 Ill. weak @ 9:31pm w/tail end of s/off for 1590 #50, no call changes. Two more frequencies have gone down the drain here: WFBC-1330 & CFOR-1570 were AMing on MMs 8/7 & 14. Where will it end? Let's all write gobs of CPC requests this season to stations on the remaining semi-clear MM frequencies - if '78-'79 is destined to be the last season when MM still meant something, let's end it with an explosion of TESTs!

PROFITS FROM EARLY SUNDAY S/OFFS OF DAYTIMERS STEPHEN J. McINTIRE - 2225 Searle Street - Des Moines, Iowa - 50317 Here's an overdue Musing from the Phamtom of QRM Valley. DX has been pretty good for the summer doldrums, though most of it has geen of a rather short-range nature. Two exceptions: KORL-1240, Okla. heard 7/2 @ 10:15pm ELT, & the 7/19 WAYN TEST which briefly made it in, u/WHO slop (worse than usual) & an unusually strong WILA, for a most-welcome new state capital. One opportunity afforded only the summer Dier is a chance to hear stations to the H & ME which are usually blocked by daytime regulars who usually s/off at the same time or later but now s/off earlier because SSS comes earlier inflower latitudes during sommer. A good example of this is KTMN-1080 Northfield, Minn. which is buried u/regular MOAK most of the year but came w/QRM from only KRLD 7/28 @ 9:52pm. Another item of DX importance is that many stations, especially in small towns, do not stay on past 6pm local time on Sunday (and occasionally other days too) even though SSS time is much later. A prime example of this is my semi-local EWEG-1590, which has a 6:05 MLT s/off on Sunday, the year 'round. I've managed five new catches on 1590 the past couple months due to this early s off, including a somewhat surprising WNTS Indianapolis (which has been in well every Sunday) & much-wanted WSWW Watertown, Wis. who I've always assumed that I had logged (but didn't have written in my logbook) who came in briefly 8/6 @ 8pm for logging #900. Reviewing the past season, highlights for me were over 200 new loggings, five new countries logged, two states previously heard were finally verified, & I rejoined the NRC. If the coming season is only half as productive, I'll go over the 1,000 mark logged. I trust that those who were lucky enough to make it to ATLANTA had a great time; maybe next year for me. 73.

SUNRISE DY HAS BEEN GOOD FOR KAH

KARL FORTH - 630 South Archore - Villa Park, Illinois - 60181 Judging from sunrise reception so far in August, we may have another good 1974type season of good southerly reception. There have been a lot of stations heard here in recent weeks that haven't been heard in a couple of years, and even some new ones (underlined). 8/5 found WIRY-1550 testing w/mx 61:33sm EDT. 8/8- KWHN-1320 Ark. w unlisted f/c 6 5:55sm; they ran about three or four IDs every minute. MMTM-1300 heard poor w/s/on u/WTAQ OC & just prior to their s/on 6 6. 8/10- WECO-940 W/SSB & s/on 6 6:04am, first time on RS; WCLU-1320 w/ID & Cincinnati address @ 6:14am. Two call changes noted at SSS on 8/7- WWQM-1550 (ex-WMAD) w/"15-Q" ID & KKOJ-1320 (ex-KADI). 8/11- WWOH-920 very poor u/WOKY w/s/on 5:59am. I caught only "WWOH" and "serving Jeff Davis (county)." WCUZ-1230 heard fair o/WQUA w/ID & WI 6:30am, usually dominant WJOB was absent, 8/12- WWKY-1380 w/s/on & spot, good @ 6am. 8/14 UnID-930 w/TT @ 4:40 m, then OC & SSB @ 4:56, but buried by WGNT s/on. My guess would be WFMD, can anyone confirm? WLIK-1270 w/s/on @ 5:59am o/WJJC, WMOO-1260 w/s/on & into soul mx 6 6, then WJJJ-1260 w/s/on u/WNOO. Other good SRS frequencies like 810 & 860 were live but nothing was in strong enough to ID. A few veries: v/1- KEDD-1550 KUOA-1290-TEST WANN-1070-TEST. V/c- WUNN-1110, & V/r, WMUS-1090. Also a V/q back from KXLY-920, which took ; seven months from my third f/up & returned my tape. Address at school this Fall will be: 1406 Schneider, SIU, Carbondale, Ill. 62901; I probably won't be able to do any DXing until Thanksgiving, so see you then. 73.

WELCOME TO THE N.R.C., FICKI MUSE OFTEN!

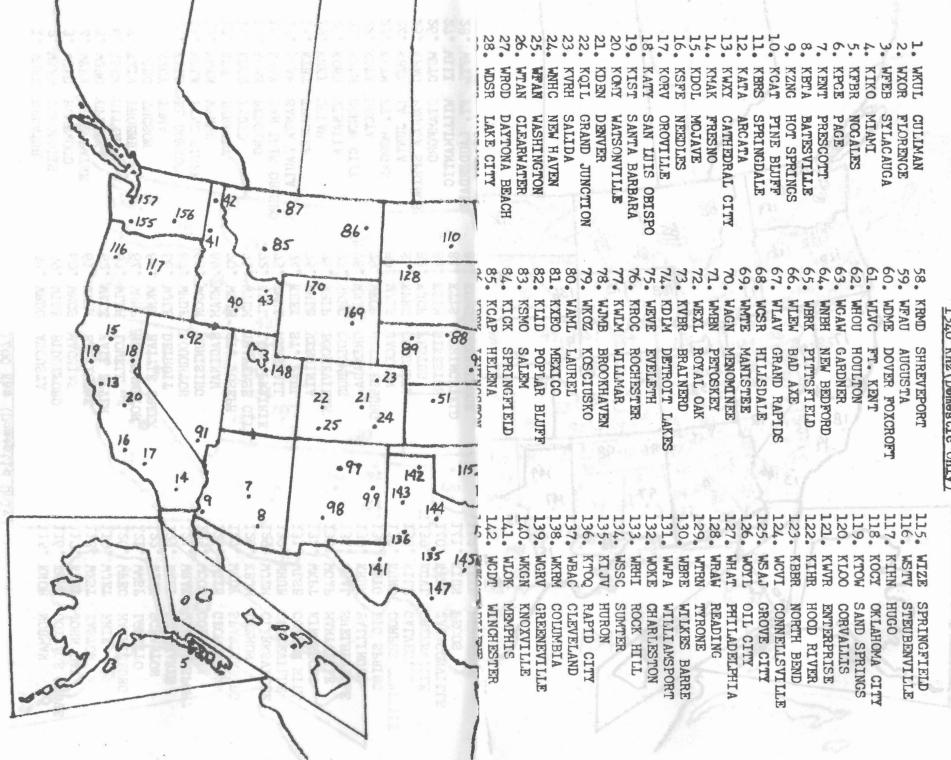
RICK KENNEDY - 8132 Amagrove Drive - Cincinnati, Ohio - 45244 513-474-1460 8/16/78

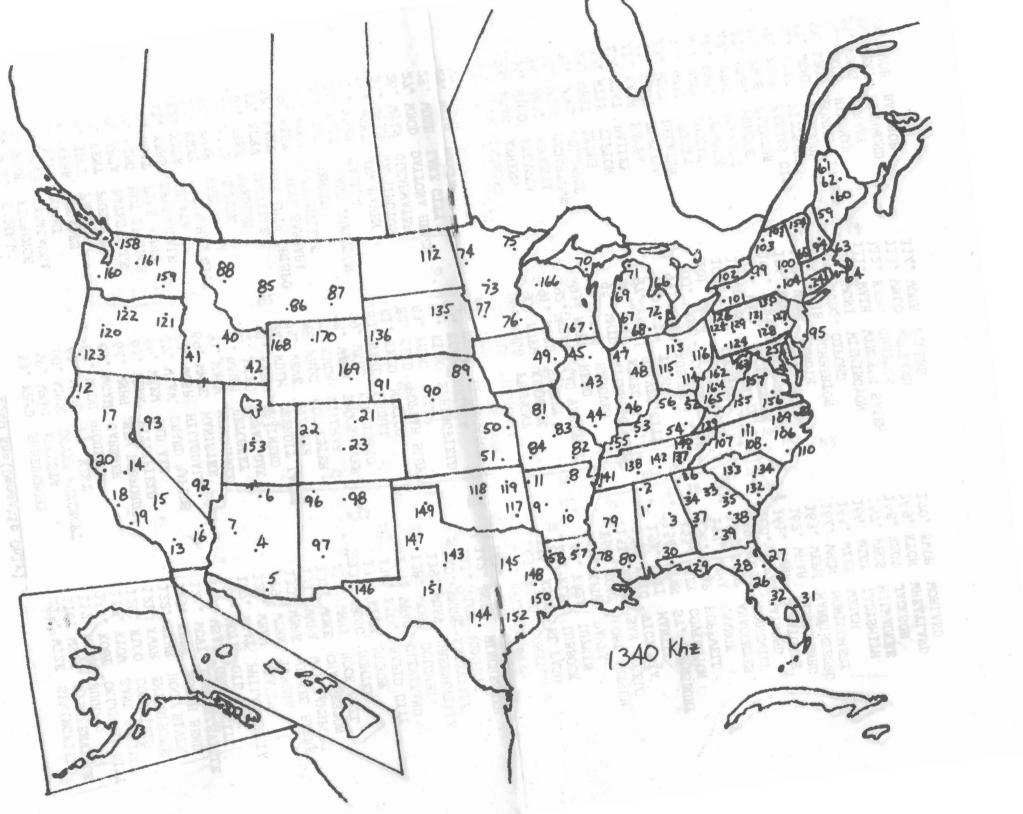
Hello, NRC. This is my introductory issue so here goes. I'm 16 years old & a High School Junior as of the end of August. My start in radio came with a CB which I still use when BCB CX are bad. I started DXing half-heartedly with my mother's GE ten-hand & a copy of Communications World magazine. I wasn't serious until I caught the Bonaire travelog on PJB. Wow! That did it. My first log entry was 3/23/78. 178 stations later I got a DX-160 on sale & joined NRC. The DX-160 is a good RX if you aren't really sure you will like the hobby. I have it hooked up to my CB antenna. Better antennas will come when I'm out of debt for the radio. My totals stand at 332 stations in 31 states & eight countries. Best catches are ZDK-1100 & KFBK-1530 (yes, WCKY was off at the time). ID's are taped. I can't afford veries. One question, what TA's can be heard on a DX-160 & CB antenna in Ohio' to Batt.

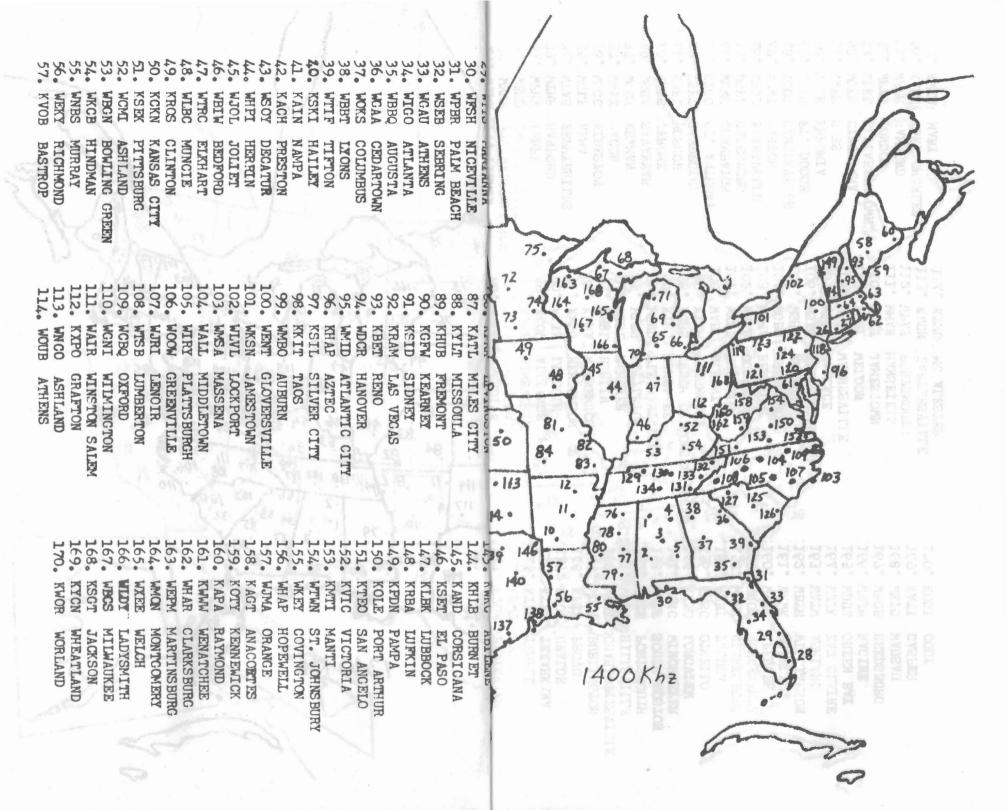
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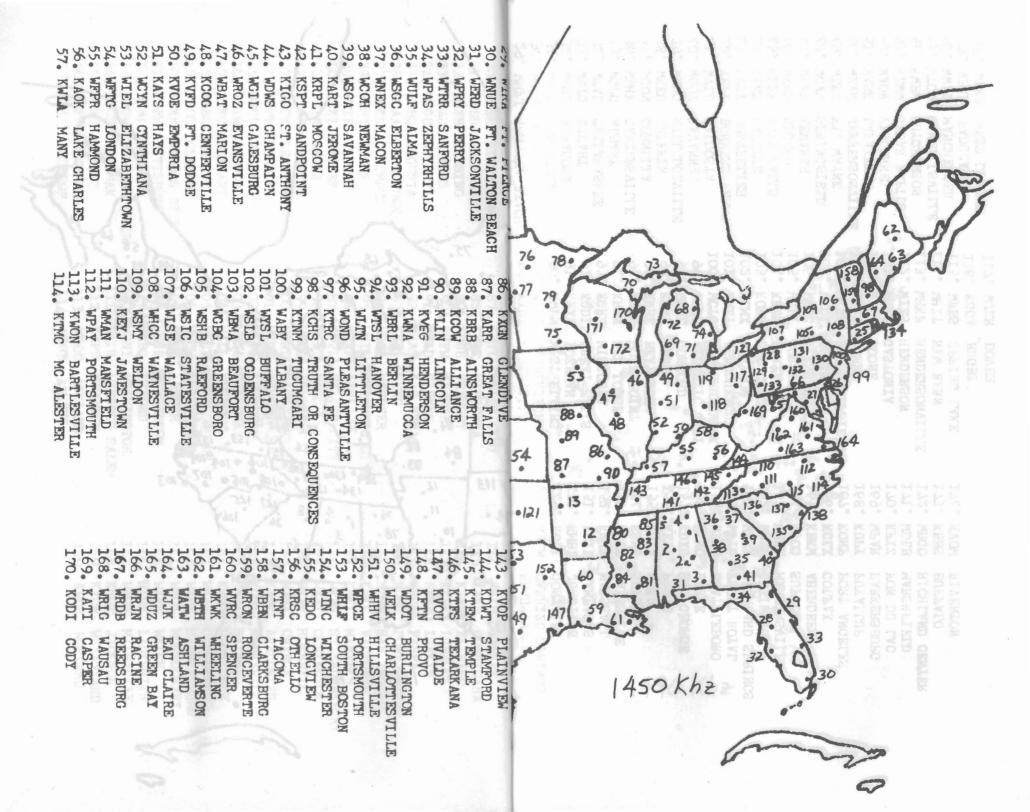
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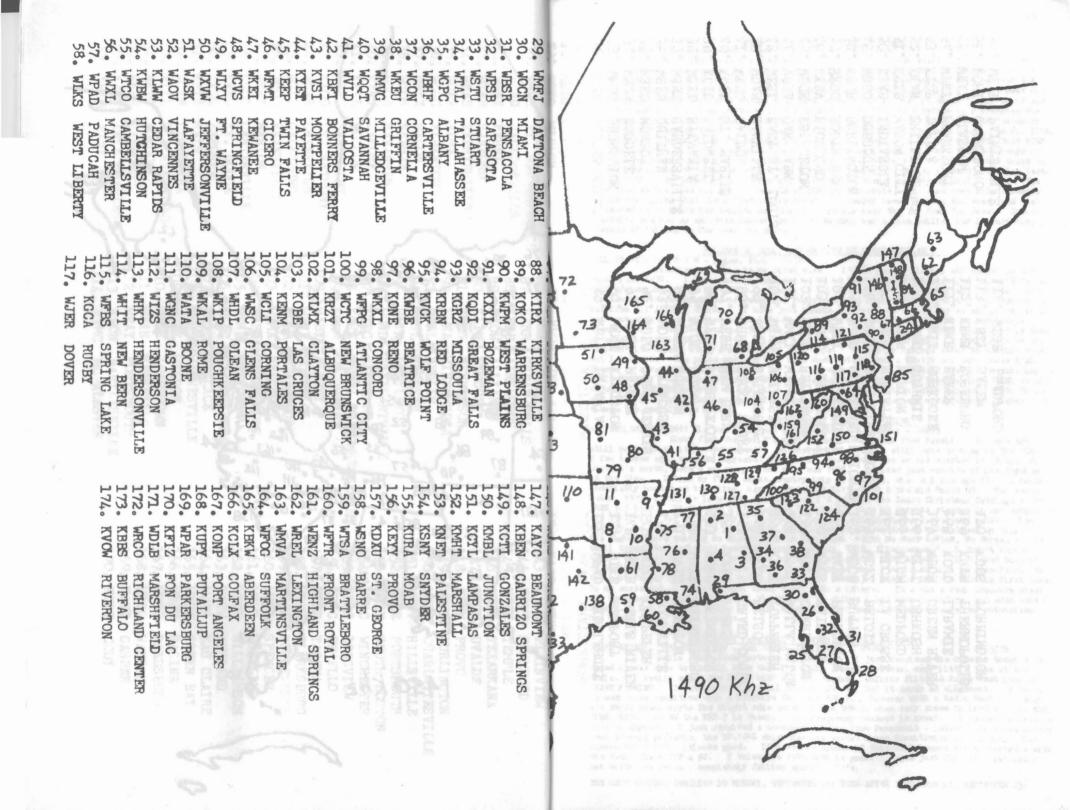
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PAINTSVILLE	GLASGOW	FRANKFORT	TOPEXA	PHILLIPS BURG	MASON CITY	INDIANOLA	DUBUQUE	BURLING TON	SOUTH BEND	RICHMOND	PRINCETON	OAK PARK	EAST ST. LOUIS	DANVI LLE	CAIRO	ST. MARIES	CALDWELL	SYLVANIA	SANDERSVILLE	QUITMAN	MONROE	CORDELE	BRUNSWICK	WINTER HAVEN	VERO BEACH	STARKE
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SALEM	ROSEBURG	BAKER	MUSKOGEE	GUTHRIE	MARION	MARIETTA	EAST LIVERPOOL	CLEVELAND HEIGHTS	CHILLICOTHE	VALLEY CITY	HEITINGER	WILMINGTON	VALDESE	SALISBURY	ROCKY MOUNT	NEW BERN	FAYETTEVILLE	EDEN	DURHAM	SYRACUSE	PORT JERVIS	MALONE	KINGSTON	BATAVIA	AMSTERDAM	RATON
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KGOS	KRTR	KOJO	KUGR	TIYW	WIGM	MLCX	WGEZ	WSGB	WAEY	WICS	TIXW	KTEL	KENE	KLOG		KVAC	KBRO	WAYB	WVEC		WCVA	WKYR	WIKE	WFAD	WKVT	KVOG
TORRINGTON	THERMOPOLIS	LARAMIE	GREEN RIVER	OSHKOSH	MEDFORD	LA CROSSE	BELOIT	SUTTON	PRINCETON	FAIRMONT	CHARLESTON	WALLA WALLA	TOPPENISH	KELSO	GRAND COULE	FORKS	BREMERTON	WAYNES BORO	HAMPTON	FARMVILLE	CULPEPER	WELLS RIVER	NEWPORT	MIDDLEBURY	BRATTLEBORG	ODGEN

SOUTH DAKOTA IS NOW EASY TO HEAR

BILL HARANG - 811 Nevada Avenue - San Jose, California - 95125 South Dakota at one time was really not a very easy state for many Diers to However, the opening of KKAA brought relief to many DXers who had a need to hear a radio station from South Dakota. As one now residing San Francisco Dier told me over the phone, it opened up South Dakota radio to almost all of the continental U.S. This same Dier joked around saying that even though they have so many nulls, that it doesn't stop their signal from coming in to many portions of the country. As I've said before in a previous Musing, even though KKAA is widely heard by many DXers, I happen to be in the unlucky category so far of not hearing them. I have heard KIMM-1150 & KGFX-1060 from out there. As for KIMM. I wasn't even intending to try to hear the station. I read in a DX club bulletin that KIMM was testing on a MM shortly after midnight. As soon as I read it, I put that knowledge in the back of my mind saying to myself to forget about it, there's no way the station could be heard. When that MM came, shortly after I started tuning the dials, I found a station testing on 1150. By surprise, it turned out to be KIMM & then I remembered what I read. The announcer at the time was Ron Hansen, CE at KIMM. Ron wrote to me some very mice comments on the v/f saying that his mother-in-law lived in a nearby tawn, Mission San Jose, and that he wanted me to phone her telling her that I heard him over the air from San Jose. Unfortunately, she had an unlisted number, so I had to drop her a line telling her I heard him, instead of talking to her over the phone.

WELCOME TO BILL. AND WE HOPE HE MUSES REGULARLY

BILL TRAUE - 550 N 1 W - Logan, Utah - 84321 Greetings. This is my first Muse. I'm 23 years, single, NRC member on & off since late 1970. I was recently employed as CE at local EVNU-610 & arranged those TESTs last Fall w/mucho help from RON MUSCO. Thanks to all for the generally excellent reports. Both the best and worst examples of reception reportage came from NRCers. Most distant phone call was from RAY ARRUDA, thanks. I have just become a convert to FM, as far as employment goes, and went with a new station here, KJKJ-FM, and it's mice to have a IR with no modulation transformer. The IR is circa 1948, an old RCA that keeps me busy. Most DXing here is done on a Hallicrafters SX-28 (1941). I can hear people laughing already. I would like to correspond with anyone using a receiver of this type. No one in Musings seems to mention them, but I like it. The price was right. It's much better over a DI-150 any day, tubes & all. Thanks in advance to JOHN CALLARMAN for what is sure to be an extremely useful Domestic Log. DAVID ROGERS: WRR changed because they were acquired by Bonneville International (KSL et al) which sold KSL-FM in order to buy it. At least it's better than Dolly Holiday. KSL-FM is now KSFI: there goes another beautiful three-letter call. Perhaps more relevence later. 73 & keep the oscillators hot.

GUY KUDLEMYER - 2611 Ala Wai Bouleward \$1002 - Honolulu, Hawaii - 96815

Aloha from the world's most famous Cowboy Dier from Hawaii. CI here are still poor (or is it my technique?). Whichever it is, DXing still nets nothing on the BCB. A few issues ago, someone suggested that we all Muse about how we got started in DE ng. For what it's worth, here's my story: The year was 1968. I lived just outside of Los Angeles at the time. I took my first cross-country trip to Oshkosh, Was. & I was age 12. I became insatiably hooked on traveling, having traversed I-15, I-80 & the old Route 66. Two years later, 1970, I fell in love with a ratio that I'd seen in the Sears Christmas Catalog: a COM-TREX V-5 band. It was \$65 & I'd managed to save \$30 when my parents stepped in and bought me the other half for my birthday. I used it heavily, mainly on the 2 to 18 mhz bands. Then one day, in Junior "igh, I was talking to my friend. He said that he'd stayed up till 3= the night before writing to his brother in Viet-Nam. When he went to bed, he turned on his small transistor radio and heard the announcer say, "KOB, Albuquerque." I didn't believe him. The next day he came to school and said he'd gotten KNBR & KOGO. I figured that if he could get those on his little radio, just think of what I could do with my five Dand. So the next Fri iay might (when I could stay up till 10:00!) I DXed on the BCB for the first time. To my grazement, I received KOB, KNBR, WCCO, WDR, & others. This was a real treasure chest for me because I could now travel vicariously to cities I had been to before, and even some I hadn't. Now, in 1978, DKing is still my main hobby, and after eight years, my enthusiasm has waned none. 73's & Aloha.

ASKS ABOUT PANASONIC'S NEW AM PORTABLE RF-104Z

JERRY NEVES - 3951 Colby Way - San Bruno, Califormia - 94065

Hello again from Northern Califormia - 1 just received the buletin today & decided it was time to let all know that I'm still around, however, very little time at the dials. I really enjoy the FRG-7 with digital readout, Collins filter & Radio West Loop by GRANT MANNING. Great combo! I still have my SW -4A, but it needs an alignment. My SW-4A is much more sensitive with a longwire than the FRG-7. However with a Radio West Loop they are about even, maybe the slight edge going to the SW-A, when very close to locals, i.e. KDO, KNBR, KFRC. On SW the FRG-7 is champ. The frequency readout is great. I recommend Grant's mods to anyone. I just received a consumer catalog from Panasonic - latest. It shows a very neat AM-only portable, the RF-104Z which has the words: Super Sensitivity on the dial. Has anyone tried it? Ithooks good. It makes me wonder if this will become the fi portable with the Radio Shack TRF a f2. I think the 1978 WRTH is poor. Pages just fly off - certainly not worth the price - completely falling apart: 73's.

THE NEXT MUSINGS DEALLINE IS MONDAY, SEPTEMBER 11; THEN AFTER THAT, MONDAY, SEPTEMBER 25.

8/18/78

WAYNE MURPHY - 270 Tempa Drive - Apt. U-7 - Nachville, Tennessee - 37211 Greetings from the Volunteer State! The above will be my address effective 8/24. Do not call and ask why! (I don't have my phone in yet). Seriously, I just took a job as auditor for the Dep't. of HEW in Nashville. I'll be living in an apartment on the S side of town, & I've heard a lot of horror stories about how apartments and DX just don't go together. To make matters worse, I'm on the ground floor, actually a semi-basement type deal. Still, a daytime bandscan unearthed a fairly crowded upper band on my spanking-new TRF, so there may yet be hope. If anyone gets down to Nashville, by all means call & drop by, but do the former before the latter, because I'll be out of town about half the time during the week, & will probably be returning home on the order of once a month or so. So I'll probably still be adding entries to the Louisville Log from time to time, as well as on-the-road loggings a la PAUL MOUNT. Mail sent to the old address will still get here e-

ventually, but it may take up to a month. I hope to see everybody in ATLANTA, and here's

hoping the coming season will be a good one. 73.

PRIENDSHIP THROUGH DXING

PANE MOUNT - 471 Baerson Avenue - Teaneck, New Jersey - 07666 My family took a trip to the Midwest in July with the purpose of visiting relatives, but I got to meet several Diers & record several stations. We left 6/30 & travelled across I-80 (thich begins in Teaneck) past Toungstown (where JERRI STARR was heard on WSRD-FM) to Akren, where we stayed the first might. I visited with DAVE GRIM and drove around the NE part of Akron and Kent, with GEORGE GREENE, in search of TIM DAVISSON and other towners. I stayed at George's that might, then Dave came over next morning, too. Saturday we visited Ashland College on the way down to my aunt's in Wyoming, a suburb N of Cincinnati, about ten miles from downtown on Route 4. I continued my log from there with these noted especially: KATZ-1600 No. loud 8:57pm 7/2; WTVB-1590 Mich. good w/jx into NX @ 9. 7/3: Four s/offs on 1490 between 12:55 & 1:05 but none IDed. R. Libertad-1090 w/announcement to 2mm - is this Panama? ('Tis indeed Panama -ERC) KHLD-1080 Tex. w/promo for "weekday news for the Metroplex", then said the mx is "always gentle on your mind." I wonder what Glen Campbell thinks of that, hi. 7/4- WIXI-1390 Athens, Tenn. testing w new day CP 2500w, c/w mx, femme DJs, & said per my call they'd be on "till we're through." They're getting the new power 8/1, the CE is Jim Sliger. Also noted on 1390 were WVON Ill., WCSC-S.C., & CHOO-Ont., "Chew Country." Both MLCY Fla. & WAOK-Ga. were noted on 1380, which was AOK by me. Someone as "14 KTL" ORMing WBO2-Ind. on 1400, "Rosey Country, WROZ." FM stations are overloaded there. I met ex-IRCA Fred Prechtl and saw the area with him on a deserted 4th. In Anchorage, E of Louisville, BOB WELKER came down to visit, with a box of goodies, baseball games, & frisbees. GARY ATKINS

& I drove all around Louisville and walked in the River City Mall past WAKY, looking for a refreshing drink. We went to WUOL, where I found TED FLKISCHAKER, & Gary left. I went to Ted's place, where we were joined by Syracuse's FRED MORDQUIST. Ted & I went to dinner, THANKS! 7/6 we wisited I.U. Hoomington & Butler in Indy, home of the Buszard. We arrived in Chicago later that day, & got in contact with JOHN ZONDLO, whom I visited in Hammond the next day, w/ trips to WJOB & the EDIR/WTFDA National DI Monument. Monday night I visited KARL FORTH in Villa Park, hearing a Texas station on Ch. 3 while viewing action Photos. Then we went up to BOB KRAMER's roof & photo lab in Chicago. Then, stops in Wabash Ind., Colon, Mich. and Oakland of Pittsburgh, where I got to seedowntown & a Pirates-Giants game. In W N.J. I was listeming to WRNJ-1000 when we went around a turn of something, & WRNJ was gone to WINS. Also, once we got past WQTK/WEIO's tower, the signal drop was so marked I could watch the tuning meter on my Sanyo drop. A great trip, & thanks to the many I visited or spoke to for their

RETURNING TO COLLEGE IN NO COGDOCHES

Friendship through DXing.

CHARLES GEORGE - 6407 Howard - Dallas, Texas - 75227

My latest veries to arrive were: KEEL & KLRA for a report in November. My latest DX heard: INBR-680 w/T-40, @ 2:28am ELT 8/3; R. Columbia-725, San Jose, C.R., w/two men talking in SS & playing local mx; 0310 GMT Aug. 5; (11:10pm, EDT -ERC) R. Panamericana-945, Tegucigalpa, Honduras, man and lady were playing jazz and background mx, 0350 GMT, Aug. 5, & KKAA-1560 w/c/w mx, 4am ELT, Aug. 5. On Aug. 29th I will be going back to Stephen F. Amstin State University, Nacogdoches. I will be resuming studies for my degree; my major is Sociology. I may pick me up a portable like the TRF. I no longer have the 'ony TR-6500 since I was made an offer that I couldn't refuse. I may be on the campus station KASU (FM) 90.1 mHz, 1kw. I really enjoy the subtitles - I hope Ermie keeps them. 73s. (Thanks, Charles - IRC)

JOHN ROUSE - 2703 Bartlett Lane - Bowie, Maryland - 20715

SCOOP! BRAND NEW STATION IN WASHINGTON, D.C. - WYCB-1340 Hello everyone - I've got two veries - WZIX York, Pa. (v/1), & WOWD Ft. Wayne, Ind. (card) which I sent out over a year ago. I haven't DXed much lately but I'm looking forward to the DY Season. My goal this season is to get the West Coast. There's a new station in Washington D.C.; I watched the opening celebration on TV on the news. It's the first all-Hack-owned station in D.C. It's a mixture of soul & gospel. It is WYCB-1340. I was listering to a record we have that's a reproduction of an original broadcast of WMEX-1510 from 1961 with Armie "Woo-Woo" Ginsburg the DJ and early rr mx. Well, that's about all for this Musing - 73's to all. (Is WYCB AN, John? -ERC)

WHY NOT VISIT YOUR LOCAL STATIONS AND TRY TO TALK THEIR ENGINEERING DEPARTMENTS, INTO A DX-TEST THIS SEASON? YOUR LOCAL MAY WELL PROVIDE ANOTHER MEMBER WITH HIS CATCH OF THE YEAR! GIVE IT A TRY! THE WORST THAT CAN HAPPEN IS THAT THEY SAY "NO"!

A DXER'S VACATION

HILL BAIL NY - 92 Woodl and Road - Holden, Massachusetts - 01520

He set up in France in an attic, And copied DX through the statio; with post cards they sell

At the Place de Pigalle His veries have been automatic!

He lists some astomishing claims.

I thought I'd go ape On hearing a tape

He made from the bank of the Thames.

You'd never believe if I told ya: He stayed at the Hotel Magnolia. And casually tuned

The band around noon To Inner (and Outer) Mongolia.

Did he fiddle like Nero in Rome? No. he Died from Saint Peter's dome. To Italianos

He finally chose

To claim DY better -- at home.

Allured off the Cote d'Azure, He continued Dling on tour;

Aboard a fine liner He heard Asia Minor

Talk Turkey \$17# It's dammed bull --- I'm sure.

6 For countries with strange-sounding names; In any cross-section or group. You'll find a real champ - or a dupe, Along for the ride; Antenna wires tied

To bed springs - to act as a loop.

You try to improve on his system. Turning dials to the spot where he lists 'cm; As often as not That frequency's got Few tales to unfold as you twist 'em. 73.

P.S. - You've done a great job through the years.

HEIT DEALLINE IS MONDAY, SEPTEMBER 11 - THERE'S STILL TIME TO GET YOUR MUSING IN THAT ISSUE!

WELCOME TO THE N.R.C., CHRIS! WE HOPE YOU MUSE OFT!

CHRIS BASKIND - 603 Enger Drive - Pascagoula, Mississippi - 39567 8/15/78 Greetings MRCans. To business: I am in charge of revemping MRC's stationery - Domestic and Spanish report forms, letterhead, etc. I require immediate feedback on the numbership's needs in this department if a late September deadline for publication is to be met. It is hoped this set of forms will be more innovative and useful than the last batch; imitial comments suggest the possibility of bilingual EE/SS sheets, which would cut costs and eliminate using separate pages. By the term "immediate feedback" I mean all ideas should be submitted no later than one week following this bulletin's publication date. The phone here is 601-762-7819 after 2300 Zulu. (Zulu?? -ERC) Let's have some bright ideas. 73 from Little England. (How about colored paper? -ERC)

ATTENTION, PATTERN BOOK FOLK

JERRY ROBERTSON - 6065 Gardner Line - Croswell, Michigan - 48422

Just a short note to ask if anyone knows the address of the company from which the radio stations' patterns were bought. I was wanting to buy some daytime patterns and/or maybe volunteer for the Daytime Pattern Book. 73.

LOGS ONLY ONE NEW ONE IN THREE WEEKS - AND YOU'RE COMPLAINING? ERMIE COOPER - 5 Anthony Street - Provincetown, Massachusetts - 02657 617-487-9337 One more verie, a PP/c from WXRS-1590, and the count is now at the next milestone, \$4,100. One of my portables, a Sony TFM-1000-WA, was recently dropped and has a broken tuner, says the nearest Sony agency, and to repair it, says he, would cost more than a comparable new set. It still works quite well on BCB, but is very weak on FM, & is good on the two SW bands. I feel 'tis only the FM antenna which is out of the circuit - is there a good buddy out there who knows how to fix such a set, as I value this one quite highly? Now, to the DX dial. MM 7/31- WINS-1010 & WFTQ-1440 noted off today. UnID TTer on 1450 @ 12:57 & one on 1460 @ 1:02, & 740 @ 1:31, but this one IDed as KRMG. Someone u/CFRB-1010 w/WINS off w/c/w & PSA for Goodwill Industries circa 1:53mm, KLRA likely, unn. Unn WOOK u/CFGO-1440 on AN w/Public Service (sic) (sick??) stuff, blah-blah about Vietnam, etc. In the day. local WPLM-1390 was stangely silent at 1 p.m. (their FM was on, though) & on 1390, 'twas a fight twixt WRIV & WCAT, both unn. Then, the best daytime signal ever noted - on 1350. a strong signal was noted from Honey Radio WHNE all the way down in ANTHONY LAGATTUTA country! 8/1- Unn CFLS-920 (FFC) u/NJAR @ 1:22. 8/2- WCSH-970 off today, leaving WNDJ/CKCH. Who was the loud unIDing TTer on 1590 u/WQQW 2:17-2:38+7 8/3- inother odd daytime catch noted on 1520 in the person of new-needed WIEG, ex-WELT, Ocean City-Somers Point, N.J., with light rr & many local commercials, including one for Zaberer's Restaurant, a fabulous place where I had once eaten on a short vacation trip in North Wildwood. No sign of Long Island's wighty WIRE! This, 8 1:15 p.m. on a rainy day. 8/4- Unn WSOA-1400 topping there again, 2:41. Unn WABK-1280 was Alling today, but not noted since, so 'twas evidently a one-timer. They used rr. 8/5- No CKLM-1570, all CFOR there, what an improvement! CBF-690 & CBM-940 were running AN w/ cl mx. SM 8/5 UnID FF on 1205a running AN, I understand 'tis a new Haitian. Semi WBSM-1420 was off today with CKTL (FFC) atop and strong. WPCP-1410 as usual off @ 3:06 after CBS NX for weekly maintenance period. MM 8/7- WPEN-950 & WHN-1050 off today. TT-950 @ 1:42, unID. Unn WYFA-1580 L.I. testing @ 2:51, with OLD, OLD Gene Autry records. 8/8- WRKO-680 off today. TTers on 1560 @ 12:58; 1050 @ 1:12, 1420 @ 1:53, & 1580 @ 2:12. On 1400, WABY atop with the Larry King Show @ 2:30. SM 8/13- UnID TT-1290 2:02, & the FF on 1205 again, AN. He'a tough to log with WCAU on 1210. O.K., thassit - Hi, everybody in A-T-L-A-N-T-A-1 C U N 21a, hi. Watch out for me! I became a sexagenarian on August 28th, hi!

MOTHBALL MEMORIES

CHAPTER LXXVI - ABOUT DX IN THE MID-FORTIES DX for me began on 12/25/45 when I received my own radio for Christmas. It was a Silvertone with six tubes, a battery that must have weighed at least ten pounds, and covered two short wave bands as well as AM. This is done from memory as all logs and most QLs were lost in a fire in 1964. In those days of the late 40's, one could follow eastern time sign offs at midnight with central time stations and so on right across the country. KGO-810, KYA-1260, KFI-640, KHJ-930 in California, and even KOMB-590 and KORL-650 from Hawaii were almost mightly regulars. The first all mighter I can recall that could be considered even remotely local for northern New York was CHL in Toronto on 740 followed by WGY-810 in Schenectady. Shared frequencies were quite common in those days. WLS/WENR-890 in Chicago, on 1330 WEVD, N.Y.C. & WBBR as I recall IDed as Staten Island, WMNB and WWNE North Adams, Mass. shared 1230 with 100 watts, and back a few years earlier WSYR-570 Syracuse shared with WCAZ (I think) in mearby Cazenovia. During this era there were soveral locals that were rather short-lived, WQSR-1320 Solvay, N.Y. with 500 watts and WOPT-1220 Scriba, N.Y. are recalled. WOPT was a pioneer FM station in Oswego and started an AM that I Ded as WOPT, Scriba, that's the small town where the transmitters were located. WOPT (AM) came on the air on a Friday morning and ran until sunset. At 2 a.m. the next day the transmitter and studio building burned to the ground. The station never returned to the air. Their QSL for that first day's broadcast is one of the few from those days that I still have. I believe it is the only one ever in existance from them. Another oldie from the very early 40's was the North Country's pioneer WCAD-1220 in Canton, N Y. They were owned by St. Lawrence University and G.E. and at times would relay G.E.'s WGY-810. Another short-lived station of the late 40's was WVBN, which operated briefly from the Tug Hill hamlet of Turin over in Lewis County on 1400 or 1450, I believe. They had a grand power of 100 watts and their antenna was a long wire hung between two trees. They lasted less than a year. They started earlier with an FM station on the old Rural Radio Network and that was on the air for some time.

STILL ON HAND for MOTHBALL MEMORIES are contributions from PETE KEMP (several of them!), and from TED FLEISCHAKER, ANDY RUGG, RICHARD WRIGHT, JAMES B. CRITCHETT, and VERNON SHEARER. In honor of the NRC's ATLANTA Convention, we'll run the latter's next, at least, part of it, for it is quite lengthy, in the next issue, as he is from ATLANTA. It was submitted to us by CHUCK HUTTON, co-host of this year's Convention.

HILVEME

6105 DEL CAMPO NE ALBUQUERQUE, N.M. 87109

##	DXer	Location	Coun	tries	FOR.	T.V.	Ocea	nia Best
58 W.	Powis	Virginia	23		208	312	177	WXLE Canton Is. 1385 250w
36 N.	Maguire	New Mexico	82	VAC	536	3023	167	WVUQ Guadalcanal 690 1kw
40 G.	Allen	California	65	VAC	540	2876	91	2KO Australia 1410-500w
7 S.	Dellit	Australia	37	VAC	218	362	80	WXLE 1385 250w
39 C.	Freeman**	California	67	VAC	368	1571	62	2VM 1530 500w
34 H.	Gustafson	Illinois	107	VAC	305	851	60	2BE 1480 100w
32 H.	Wilkinson	California	72	VAC	380	404	56	WXLE 1385 250w
38 R.	Anderson**	Virginia	105	VAC	514	1448	48	5MU 500w
33 D.	Reynolds	California	85	VAC	493	1368	44	9PA Papua 1250 2kw
58 B.	Dangerfield	Pennsylvania	117	VAC	353	430	8	2BL 740
58 E.	Wesolowski*	*Nebraska	24		168	1898	7	4YA New Zealand 780
61 A.	Imprescia**	New York	67	VAC	253	1573	3	2YB 800
31 F.	Wheeler	Pennsylvania	24		189	1703	2	1YA 769
33 R.	Sperry	Connecticut	42		249	1669	2	KHON Hawaii
? R.	Pistek**	Illinois	34		121	1141	2	KORL 650
64 B.	Reynolds**	Missouri	28		121	1103	2	2NA 1510
51 R.	Schiller	Texas	86	VAC	381	2166	1	KORL 650
60 A.	Rugg	Quebec	60		1259	1457		
75 R.		Illinois	28		108	693	-	
39 H.	Robie	Massachusetts	90		148	263		
74 5.	Waterman**	Massachusetts	39		89	239	-	
70 K.	Rychalsky	Connecticut	11		46	225	-	
	Mount**	New Jersey	6		24	216	-	
7 J.		Ontario	3		124	212	-	

Am finally getting settled in my new home and had my typewriter cleaned while I was moving. Hope to be on regular schedule from now on. Many members have been carried over a few extra months due to the moving. Please update your totals, those with the (**) notations after your names. ## = year started DXing. VAC = Verified all continents. Next month, South American totals and best verie,

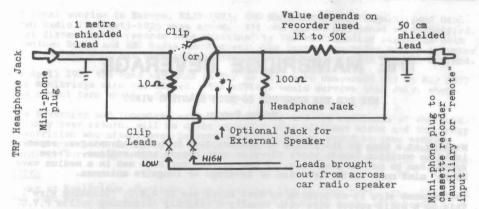
73. Zoim

THE TRAVELLING DX'ER

MARK CONNELLY

The purpose of this article is to give some insights into DXing away from home, something that most of us like to do, whether we're on holiday or business trips. DX activities may only be a quick tune on the car radio or they may mushroom into a full-fledged DXpedition (in which DXing becomes one of the primary activities of the trip). The DXpedition, long popular among Hams, is gaining momentum among MWDXers; witness the "beverage beach parties" held by Bruce Portzer and friends in Westport, WA and by John Allchin in Te Araroa, New Zealand. My activities on trips to Southern NJ, Long Island, Maine, Nova Scotia and Ireland fell between these two extremes. The following equipment should be adequate for a serious "on the road DXcursion"; Realistic TRF (modified for loop if possible), SM2 or other amplified loop, interface fixtures for tape recording (to be described below), FM/SW/LW receivers if desired, headphones, extension cord, wire for longwire antenna, longwire tuner, small speaker, portable cassette recorder, 12-volt adapter for recording in the car, extra batteries, cassettes and a logbook.

A common problem is breakage of leads, especially those to battery terminals; it would be advisable to carry a small repair kit with a pencil-type soldering iron, solder, "dikes", longnose pliers, wire, clips, clip leads, electrical tape and screwdrivers. Reference literature such as the NRC Log, IRCA Foreign Logs, World Radio-TV Handbook, Vane Jones Log, NRC Pattern Book, and recent issues of DX News and DX Monitor should be brought. Don't forget a credit card for emergency trips to the Radio Shack. Accessories that could prove useful would be a switchable battery-operated 10 kHz/100 kHz fundamental crystal calibrator and an accurate LCD digital watch. If possible, drill a hole in the back of your TRF to allow trimmer-capacitor "tweaking" with a screwdriver without opening the radio. The following diagram shows how I tape from a TRF or car radio:



The 100 ohm resistor cuts down the audio to the headphones to allow a comfortable listening level while permitting adequate audio levels for recording. The recorder should be located far enough from the receiver and the loop to minimise the introduction of erase-head bias harmonics. The interface recording fixture may be assembled on a small "Vectorboard" or in a metal "mini-box".

A frequent problem encountered in "motel-room DXing" is outrageous TV QRM/ mains QRN. So don't rule out the possibility of DXing from the car. Leads should be brought out off the car speaker and out from the 12-volt supply if taping is to be done. DXing from the car allows the selection of a good location such as a beach or a mountaintop, away from power lines and build-

Taped receptions should be logged in tabular form by 1. frequency, 2. station/station location, 3. programming heard, 4. signal strength/interference data, 5. time, 6. date, 7. tape counter index. Local stations as well as DX should be taped: this will help in ID'ing these when you try to get them back home. A useful tool is the "bandscan tape": the receiver is slowly tuned from the bottom of the band to the top. Stop and leave 15 seconds of silence on the tape every 100 kHz for AM and every 1 mHz for FM scans. Run bandscans at different times such as midday, sunset, midnight and sunrise. Play the tapes as DX get-togethers. Other DXers may hear tell-tale hets, SAH's, ID's, jingles, ads and slogans that you missed-especially if they live in the area you visted.

Gather radio/TV related material on your trips: newspaper radio/TV sections, survey charts, car stickers, etc. Use your camera: pictures of station facilities, radio advertising billboards, and TV identifications may be desired by other DXers, or keep your own DX photo-album. Visiting a station that you heard hundreds of miles away at home may impress the station's personnel; good will towards the DX hobby could be promoted.

Before leaving home, define objectives for your travel-DXing, such as times to listen and specific stations to try. Size up the TA, TP and LA possibilities of the location to be visited. Perhaps you'll want to get your hometown stations from a distant site. This can be quite satisfying as I can attest to from listening to WHDH-850 loud and clear with Boston news, sports and weather while I was in Ireland. Check propagation forecasts. Establish a packing list before you go. If flying, don't overdo the DX gear - just bring the essentials: TRF, portable recorder, interface fixture, headphones, batteries, reference books and cassettes. Use batteries instead of cumbersome overseas AC adapters - you can buy more batteries almost anywhere.

I mention the TRF as a good DX portable. The FRG7 and DX160 can be used as portables in conjunction with a loop. Avoid "cheapie" multi-band portables. On many of these, shortwave images become a real problem in areas where MW signals are weak. Run a full test on your travelling DX system before departing. And above all, share your experiences with your fellow DXers through contributions to the columns in the club bulletins.

Mark Connelly, 52 Amsden Street, Arlington, MA 02174.

THE MANIBRIDGE BEVERAGE

or

WHY DID THE MINE USE SO MUCH BLASTING WIRE?
Brian Vernon

Working at a mine in the middle of nowhere does have its advantages, especially in northern Canada where the wide open spaces seem endless. These spaces can be put to great use, of course, and one such use in a medium wave DXers' mind must be the erection of Beverage or longwire antennas.

The antenna wire is no problem as most mines use 20 A.W.G. "blasting wire". This is a solid copper wire with usually a slightly illuminous yellow P.V.C. insulation. This wire comes in duplex, so the two wires should be separated, thus doubling the actual wire length. A a mine obtaining such wire calls for a little strategy, as the wire must be begged, borrowed, stole, or traded for. The latter best fits the arrangement I had, and working as I did in the Electrical Department, plastic insulation tape was a great lure. My superintendant was a great help also. The Manibridge mine, in fact, would close in May 1977, so rolls of wire (which would probably never find a use lying on shelves) were a great temptation for me. Knowing this, the superintendant let me have a couple of 1000 foot rolls of 12 A.W.G. insulated wire, which again, was of great help.

Erecting wire in the bush is easy. All one needs is a long stick to lodge the wire high up in a branch of a tree; then, it is on to another tree, perhaps 20 feet further on. The only problem is that in thick bush, walking in a straight line is almost impossible, especially when trees tend to grow in anything but straight lines. However, if the wire is in an approximate straight line, this seems to be good enough. The wire must be secured every 100 feet or so. This was accomplished by winding a separate piece of wire round a tree; then twisting the ends round the antenna wire; holding it reasonably secure from one direction. A similar piece of wire held the antenna in the other direction. Antenna wires could be joined in the slack between these two securing wires.

Steel rods used for re-enforcing the drifts or tunnels underground made reasonably good grounding-rods. These were used for terminating the Beverages. Having cut the rods into 6 foot lengths and then pounding them in to the ground, using a very heavy sledge hammer, was not an easy task, especially in winter, when the ground is frozen solid in many places.

Using the ground as absolute zero ohms at the bunkhouse (where the antennas started), the grounding rods did read up to $1K \, M_{\odot}$, but some actually got down to around $200 \, M_{\odot}$; so a zero to $1K \, M_{\odot}$ pot was put between the wire and the rod(s), with the total resistance being adjusted to around $575 \, M_{\odot}$.

All together eight such antennas were constructed but some were not terminated, owing largely to frozen ground conditions. The antennas ranged in length from 600 feet to 2600 feet. Having so many antennas, one tends to have favourites; mine in fact were the 600 foot longwires. Hearing a het or a faint signal on these, I would then try one of the Beverages and one of them could usually be depended upon to bring in some audio. The nulling qualities one finds in very long longwire or Beverage antennas would have resulted in many missed catches if it hadn't been for these shorter longwires, as these tended to bring in stations from many directions, instead of from one or two as one finds on a Beverage.

The nulling quality on the Beverages, as a whole, were rather poorer than I had been led to believe after reading so many articles about them. One Beverage, strung out in a N.N.E. direction, brought in XEAA-1340 from the S.S.W. It was an incredible catch of course, but one which wasn't expected, even in what was an auroral condition at the time.

Transatlantic (TA) conditions were fantastic at times. On a number of occasions in January and February 1977, at local sunset, the whole band was alive with TA's and few stations (except the big Winnipeg stations) were noted from the south. Among the great catches at this time of day were: Greenland - 570/650/700; EAJ2-917; Babylon-1035; BBC Manchester-1457; BBC Merseyside-1484; BBC Bristol-1546; Radio Baku-1295; and Radio Mi Amigo, then on 1562 kHz.

At local sunrise in Europe, EAJ8-1025; BBC Manchester-1457 (again); and Downtown Radio (Belfast)-1025 were noted. All the before mentioned were verified. Most distant catch records were mentioned by the Verification signer at both Downtown Radio and BBC Radio Manchester. The latter was tried for on a number of occasions as I was born and raised some 10 miles from that city in England.

By April 1977 the band was dead as far as TA's were concerned and by May 1977 the Manibridge mine had closed. The village would survive till July, when the school term ended. Then it too would close.

The Beverages and longwires were left standing and old residents of the area, if they ever return, will no doubt remember some of these wires and the crazy electrician who often, even in very cold conditions, would be seen mending broken antennas; having again gotten ahold of some blasting wire, either by begging, borrowing or more than likely....., well, better not go into that.

NOTES

73.

I was at Manibridge, Manitoba from September 1976 to May 1977. The village was some 400 miles north of Winnipeg, or just 18 miles south of Wabowden.

Receivers used were the Realistic (un-modified) DX160 and the DX150A.

Acknowledgements must go to the many former residents of the mining camp, and Manibridge village; who probably unknowingly helped make this article possible.

1000 DAY 500 NIGHT

KSEL

950 KC



WTAG

WDEV

Radio Broadcasting Station
WATERBURY, VERMONT

DXCHANGE

RUSS EDMUNDS F.O. BOX 127 BOONTON, N.J. 07005

Hello again, and welcome to another episode in the continuing saga of DXChange:

FOR SALE: (antennas)

SPACE MAGNET SM-2, battery model, good cx, \$35 * (Gene Nix, 503 Aber Hall, Univ. of Montana, Missoula, MT 59801)

SELECT-A-TENNA, 11" enclosed portable loop for use with portable receiver. Vernier tuning dial added and jack for external antenna. \$12.50* (Nix)

FOR SALE: (receivers)

REALISTIC DX-160; mint cx, 1 yr. old, never used because I bought an HQ-180. \$120* (Dan Gradin, 27540 SE Chase Rd., Gresham, OR 97030, (503) 663-3292)

HALLICRAFTERS SX-42, w/ spkr. Needs a tuneup, but works well on BCB. Weight approx. 70-80#. \$60. (Gradin)

COLLINS R-390A; Physically and electrically perfect. (Glenn Jacobs, K3WEI, RD #1, Box 354A, Moscow, PA 18444, (717) 842-8245)

REALISTIC DX-160; vy gd cx, w/ manual and orig, carton. \$80 or best offer *. (Robert Rush, Pequot Rd., Southampton, MA 01073)

Technical Materiel Corp. GPR-90 RXD general coverage rcvr tunes 530-khz to 30 mhz in 6 bands. Military designation R-840/URR. Rack mount, supplied with black cabinet to fit. Has provision for ten fixed-frequency crystals in HF oscillator, and external HFO. Has beautiful full range audio quality. Crystal filter. Needs minor work (BFO level weak and tuning dial plates need tightening of set screws). Also TMC GSB-1 Sideband adapter (hets 455 kHz IF down to 17 kHz) also in rackmount panel, and with black steel cabinet also. Both equipments come with original factory manuals. GSB-1 has low gain and needs servicing for that. The GPR-90 RXD is double conversion on HF and is the electrical equivalent of the SP-600, and this receiver is built to military standards and the insides are completely enclosed. Due to weight, no shipping. Pick-up only. Am asking \$250.00 for both units. Last year a GPR-90 RX alone was offered at \$375 in Ham Radio Magazine. Located in Mineola, Nassau County, New York. Call Bob Foxworth (516)-248-3870 or write GPO Box A-866, New York, NY 10001.

"Command Set" BC-453-A small superhet tunes 190-560 kHz with IF of 85 kHz. Made by Western Electric. Complete with power supply providing 225 vDC and 24 vAC. This is the famous "Q-Fiver" of Surplus fame and makes your set a Double Conversion job by picking out the IF from your set and running it through the BC-453; selectivity comparable to a Mechanical Filter results. Both units \$35 includes UPS.(Foxworth,NY)

Receiver. Hammarlund HQ-129X. With Cabinet. An Experimenter's Dream. Has mixer tube conversion to 6x8 which should be done over, power supply opened up and needs replacing, S-meter missing BUT has ADDED both a mechanical MIXER TRIMMER on Bands 1 (540-1320 kc) and 2 (1310-3200 kHz) and padders on the local oscillator high-end set as described in Receiver Reference Manual. Also, the BFO is missing. Two SO-239 coax jacks have been added to the rear for Al-A2 connections. Sold "as-is" and is not in operating shape. Best offer over \$50.00 received within 3 weeks of the cover/masthead date of the issue of DX News in which this ad appears. Make allowance for shipping expenses (probably 2 cartons for UPS). The original dial plate on this set was replaced with separate dial escutcheons so that the panel looks like a HQ-140 or HQ-150, a very attractive panel. This set has all tuning components complete and will come with a spare crystal filter unit and other spare coils RF and IF, and original tubes. Contact Foxworth, address as above. Phone 516-248-3870.

. Sonset 3158FM tunable hi-band (152-174 mHz) tube type. Sold "as-is". Needs minor servicing but is intact with tubes. \$10 includes UPS shipping. (Foxworth, NY, address as above)

PHILCO AM/MARINE Radio, ca. 1935. Chassis type 60, Code 121; 8" speaker mounted above table model radio. Wooden cabinet, will send photo. (Bill Gilbert, 26 Terrill La., Kings Park, NY 11754, (516)-269-9554)

FOR SALE: (accessories)

BC-221 Frequency Meter with Calibration Table. Mint cx. (Jacobs)

SKL Variable High/Low Pass Audio Filter, ideal for tape work, etc. (Jacobs)

Dumont 304H Rack Mount Oscilliscope with P-7 Phosphor already installed. (Jacobs)

Hewlett=Packard 524B Frequency Counter (Jacobs)

FOR SALE: (Miscellaneous)

Magnetic Tape. High Quality Scotch type 176 low-noise, all has been cleanly erased and tensilized by running backwards thru a Scully 280 in record mode, reels are splice-free or a few have 1 splice per reel, and have been used only a few passes. Tape was used for storage of DX on 1 track format and material has since been cassetted, so tape is surplus to my needs. I cardboard box of eleven 7-inch full reels, \$15 and can supply 15 more individual 7-inch full reels, make offers. Also, two cardboard boxes, each with 12 (twelve) Five-inch reels of #176. Each box \$7.50. Tape is guaranteed to be clean, no stretches etc and with full oxide, or you can return it for refund. A winner! (Foxworth MY)

WANTED:

Old DX NEWS copies. Most for use in completing library collection for Temple University Library. Need many issues from Volumes 36-39. Will accept any and all donations of same. Also need copy of Vol. 43, #9 (12-15-75) for personal collection as mine has disappeared. (R;E)

Following is an unfortunate but necessary addition to the normal run of this column. We are informed by member James Bryan that during a vacation, his home was burglarized, and his DX equipment, among other itums, was stolen. A list of this equipment, with serial numbers, is presented here in the possibility that this stuff may turn up somewhere on the WC surplus market and be spotted.

- 1) Drake SSR-4, all parts installed, S. N. 4248
- 1) Yaesu FRG-7, S. N. 6J060562
- 1) Kenwood R-300, S. N. 520097
- 1) Realistic CTR-73 Casette recorder, S. N. 20722311.

If any of this equipment is spotted, please contact immediately:

James Bryan, 6841 Herndon Pl., Stockton, CA 95209

Thanks to the membership out there on this, and we hope that the equipment has already been recovered.

DXChange will return again, after a brief hiatus, in late October. 73's





Box 74 . Long Island. New York 11746

CHUCK HUTTON P.O. BOX 2087 DECATUR, GA 30030 (404) 633-1198 (BEFORE 2300 ELT)

Times are GMT. For ELT subtract 5 hours. Deadlines are usually Mcnday.

535	GRENADA Mourne Rouge weak w/male vocal 0103 7/30. (Connelly) Weak w/Caribbean mx and man in EE 0205 7/31. (Kazaross)
550	CUBA Pinar del Rio CMAN poor w/KTSA nulled. Several mentions of Cuba and "La Revolucion 7/24 at 0722. (Krueger)
550	MEXICO ??? 0300-0400 8/21, mentions of Chihuahua, not sure whether it was nx or location. No call or location heard. (Maguire)
555	ST. KITTS Basseterre ZIZ good w/on the air bingo or lottery; man in Caribbean EE reading numbers w/long pauses. WGAN nulled 0101 7/30. (Connelly) Noticed leaving carrier on AN. Strong OC 0645 8/1 bothered by WGNG slop. (Kazaross)
584	SPAIN Madrid in w/good carrier, mx pgm in WEEI slop 0055 7/30. (Con)
595	DOMINICA Roseau likely w/very weak signal 0215 8/7. (Lankford)
600	SURINAM Paramaribo dominant w/East Indian talk, atop SS stn, 0052 7/30. (Connelly)
640	GUATEMALA TGW heard "buenos dias, Guatemala", "buenod dias America" followed by an anthem like song. Complete fade with only a weak KFI left 7/22 1132. (Krueger) Fair w/s/off at 0603 8/5. I heard "buenos noches Guatemala" u/Cuba w/YVQO nulled. (Kazaross)
640	SURINAM Paramaribo RADIKA fair in slight WPRO slop with strange lang 2355 8/6. (Kazaross) Probably pidgin-CH. RADIKA atop het-growl w/Oriental-sounding talk and mx 0040 7/30. (Connelly)
650	DOMINICAN REPUBLIC Santo Domingo HIAT fair in WSM null w/R. Universal ID's at 0553, TC 1:54 at 0558 8/5. (Kazaross)
650	MEXICO R. Simpatico 1206-1233 8/17. R, cincuento-cinco hrd, adds uo to 55, not 65). Also think I heard XEZM but could be mistaken. (Maguire)
655	EL SALVADOR San Salvador YSS R. Nacional good signal 0344 and later 8/6. (Lankford)
670	CUBA San Pedro de Cacocum CMKP good w/big band jazz //690 0532 7/29. (Connelly)
690	CUBA Habana CMBC good w/jazz //670 0532 7/29. (Connelly)
699	DOMINICAN REPUBLIC Valverde HIDC fair w/man in SS 0036 7/30. (Con) Putting a big het on 700. Man in SS w/poor to fair audio at 0047 8/1. (Kazaross)
700	UNID "Radio CuCu" 0908-0920 8/21. Is this R. CuCu from 6257 Clear as a bell/(Maguire) Can't claim to know anything one way or the
701	other. However, there is already a Costa Rican on 700-CH MOROCCO Sebaa-Aioun w/weird AA mx, fair sig before WLW fade-in
705	0053 7/30. (Kazaross)
720	ST. VINCENT Kingstown weak w/male vocal, QRM de WOR 0035 7/30. (Con) CUBA Colon QMGN atop other LA's, man and woman anners in SS 0050 7/30. (Connelly)
725	COSTA RICA San Jose R. Columbia w/2 men talking very fast and giving many ID s 0310 8/5. (George)
725	SURINAM Paramaraibo at local strength w/calypso, EE vocal 0033 7/30. (Connelly)
735	ECUADOR Quito R. Melodia likely w/bits of SS coming thru 0213 8/7. (Lankford) Very good w/R. Melodia ID, MoR LA mx 0525 8/5.
737	(Kazaross) SPAIN Barcelona poor in noise w/apparent cl mx 0048 7/30. (Connelly)
750	NICARAGUA Managua YNX had good signal most of the time w/male and young woman anners in SS. A bunch of "La Equis" or repeated Equis
760	ID's followed by an "en Nicaragua" sometimes 7/21 0440. (Krueger) GUAYANA Georgetown 8RG fair to good w/nx about Caribbean area by YL in slightly accented EE at 0000 8/1. Ten minutes later it was completely covered by YVQQ. Heard again w/0000 nx on 8/7 w/good
765	signal just before the YV faded in. (Kazaross) Not so bad-CH SENEGAL Dakar w/strong carrier and fair audio in FF 0051 7/30.
	(Kazaross) Superloud W/African mx similar to LA mx 0028 //30. (Con)
780	BRITISH VIRGIN ISLANDS Roadtown atop SS LA's: hard soul mx then annot by US style annor "8:30 in the Virgin Islands" 0030 7/30.
	(Connelly) yory good w/s/off early at 0040 8/14 w/CSTO. (Kazaross)

VENEZUELA San Cristobal YVOD fair to good w/MoR SS mx and ID in heavy static w/ZBV1 off 0053 8/14. (Kazaross) MEXICO XEROK in like a local w/SS ID 1028 8/15. Never heard before. I'll have to get up early more often. (Kenneally) Normally heard 818 MOROCCO Rabat poor to fair w/AA chanting 0520-0525 8/8. Bothered by unusually strong WBAP. Still in there at 0540. (Kazaross) VENEZUELA Upata YVSH fair at s/off 0357 w/NA 8/5. (Kazaross) 820 DOMINICAN REPUBLIC Santiago HIAZ fair w/s/off-NA u/HJED 0358 8/5. (Kazaross) COSTA RICA San Jose TIOS fair w/ID at 0540 7/31. (Kazaross) 827 MOROCCO (tentative) carrier/bits of mx 0510 7/29. (Connelly) DOMINICAN REPUBLIC Santo Domingo HIJB w/"HIJB mas musica" at 0411 8/7, fair to good sig. (Kazaross) 830 COLOMBIA Medellin HJDM fair w/R. Vision ID way o/another SS that was not the YV or HI 0518 8/7. (Kazaross) BELIZE Belize City R. Belize very good around 0315 8/6. (Lankford) Fadey but clear at peaks. British sounding sopa or play 7/19 at 0144. (Krueger) Fair W/nx then s/off 0502-0510 8/8. (Kazaross) 836 CANARY ISLANDS Las Palmas EAK35 suspected w/man and woman talking in SS after slow SS mx. Faded up to fair level briefly at 0533 8/8 during an opening to the Morocco area. I believe this to be the Canary Islands and not Spain since Spain doesn't s/on till 0630/. (Kazaross) 840 HAITI Cap Haitien 4VEF good w/lively mx, FF ID 0030 8/5. Het from something about 841. (Kazaross) Fair w/Caribbean dance mx, then FF talk o/SS LA's; low het on high side 0018 7/30. (Connelly) ITALY Rome in and out of WHDH slop w/operatic male vocal 0014 7/30. (Connelly) PERU Lima, R. Nacional likely w/very weak signal 0209 8/7. (Lankford) BRAZIL Rio de Janeiro, R. Mundial fair-poor 8/7 from 0620-0640 in PP. Caught a few rather weak ID's. First time I've ever been able to get an ID on Mundial. Globo was better on 1180 a few years ago. (Hutton) PUER TO RICO Hato Rey WHOA very good w/Seals and Crofts then clear 87 HOA ID, TC 8:12, more EE talk including marine wx; hetted by unid LA on 871a, 0012 7/30. (Connelly) ID all in EE after r&r 0019 8/1. (Kazaross) 871.5 VENEZUELA Caracas YVKU believe this to be the drifter that was crushing WWL w/het all eve 8/5. Lively LA mx. S/off w/Venezuelan NA at 0356 8/5. Signal strength was about right for a 5 kw YV considering the cx that night. (Kazaross)
CUBA R. Habana ID 0435-0507 8/13. (Must have been rather complete what with that length-CH) Different from 880 Cuban, 870 Cuban u/WWL. (Maguire) Not noticed here-CH MON TSERRAT Plymouth ZJB good carrier-fair audio w/nx 0100 8/5 in WCBS slop. (Kazaross) Poor w/pop mx in QRN 0009 7/30. (Connelly) 890 COLOMBIA Bogota HJCE heard w/"La Voz de Bogota" ID 7/22 at 0545. (Krueger) VENEZUELA Valencia YVLW w/lively SS mx and "mas musica de Venezwela" 0115 7/31. (Kazaross) DOMINICAN REPUBLIC Santo Domingo HIPJ w/talk ID at 0110 7/31 w/ YVLW. (Kazaross) 910 VENEZUELA Miaquetia YVRQ fair w/R. Aeropuerto mention w/domestic QRM and a growl 0703 8/1. (Kazaross) SURINAM Nieuw Nickerie w/strange mx, strong carrier in WJAR slop at 0045 8/5. (Kazaross) COSTA RICA San Jose R. Juvenil TICM w/good sig, lively LA mx 0245-0300 8/6. (Kazaross) UNID flutter on CR 0245-0300 8/6. (Kazaross) 925 CUBA Cienfuegos CMHP R. Reloj dominant w/usual pgm 0513 7/29. (Connelly) Calls and location unk. There is a Reloj stn here. It was fair w/usual minute man nx from 0628-0635 7/31. Does this replace Dobleve? (Kazaross) Connelly, where did you get the calls from? Conjecture? I haven't seen any information on him-CH HON DURAS Tegucigalpa HRYW fair to good w/slow LA mx and R. Panamericana ID 0524 8/7 w/945 het. (Kazaross) Big band jazz and folk mx 0350-0430 s/off 8/5. (George) Note correct freq, Charles. VENEZUELA Barquisimeto strong o/WZZD w/ID, MOR LA mx 0655 8/1. Great night for the YV's. (Kazaross) COLOMBIA Neiva HJJR good w/fades and SS mx, R. Colosal ID 0550 7/31. (Kazaross) Very good 0438-0510 8/21. (Maguire) COLOMBIA unid w/"La Voz de" (not HJBN's ID), same time as above. (Maguire) 1020 VENEZUELA La Ascuncion YVRS w/tremendous local like sig w/KDKA

off. Way u/another unid SS w/ID 0605 7/31. Noticed crushing KDKA at 0700 8/1. Who might the second stn be? (Kazaross) Emisora

Claridad, Radio Panzenu, or Radio Calendario likely-CH ***1021 *** PARAGUAY Ascuncion, R. Nanduti logged with fair-poor signal 8/7 from 0400-0427. By the end of that time I had three defibite ID's, a mention of Paraguay, and a mention of "departemento de Filosofia de la Universidad Catolica". Readable on peaks, sometimes with a decent strength. Happily transferred to the tape library as I never did get an ID on Caaguazu 645, making this Paraguay #1 on tape. Thanks Ron Schatz for confirming the ID's and picking out the University mention. Listed on 1020 with 5 kw. (Hutton)

1025 COLOMBIA Ibague HJFT fair w/slow SS vocal and ID 0619 7/31. (Kaz) 1034 PORTUGAL Porto Alto weak w/female choral group, PP talk at 0555.

Maybe s/on. WBZ off 8/7. (Kazaross)

1040 CUBA ?? SS looping CUba, no ID hrd 1000 8/20. (Maguire) 1043 MOROCCO Sebaa-Aioun poor w/soft vocal in FF, guitar mx. IciRabat ID heard in fade-up at 0011 8/8. (Kazaross) Strong w/1 khz TT's 0450 7/29. (Connelly) This is now 300 kw per feature material I am holding-CH

1055 COLOMBIA EspinalHJFZ fair w/SS mx, some WHN slop 0145-0155 7/31.

1060 COLOMBIA Manizales HJFJ fair w/ID, KYW off, 0718 8/7. (Kazaross) 1060 MEXICO XEEP R. Educacion 1026-1030 8/21. Hrd often, not long enough for a report. (Maguire)

1061 PORTUGAL Norte suspected w/audio just barely above the noise level

0000 8/7. (Kazaross)

VENEZUELA Maracaibo YVHA vy good w/R. Zulia ID 0630 8/1. (Kazaross) 1070 1075 COSTA RICA San Jose Faro del Caribe TIFC w/weak signal 0305 8/6.

COLOMBIA Cucuta HJBC w/CARACOL ID u/WBAL 0325 8/5. (Kazaross) 1091.6 COLOMBIA Monteria HJAW good w/La Voz de Monteria ID, big het on 1090 0305 8/5. (Kazaross) Fair signal 0307 8/6, xlnt 8/7. (Lank)

ANTIGUA St. John's ZDK on late W/EE talk about Caribbean King contest 0600-0615 8/7. (Kenneally) Same thing, same time-CH. O/WWWE w/live calypso vocal mx, EE and SS songs, Caribbean EE anner 0404 7/29. (Connelly)

DOMINICAN REPUBLIC Santo Domingo HICN good w/R. Antillas ID at 0115 8/5 after Copa Cabana. Alternating w/an LA carrying BB. (Kaz) 1165

AN TIGUA St. John's CRL good w/radio drama in EE 0124 7/30. (Con) Very strong signal, hymn, carrier cut 0200 8/7. (Lankford) In w/tremendous signal 2345 7/30 about 15 minutes b4 sunset. (Kazaross)

1180 CUBA Isla de Pinos CMBN in fair to poor w/nx and time. Time tones are about 35 seconds late. (Krueger) Considering it's a Cuban, it could be 25 seconds early for the next minute, 85 for the minute after that, etc., etc.-CH

COLOMBIA Barranquilla HJCT in like a local w/LV de la Costa ID 0520 8/14. (Krueger)

1200 VENEZUELA Caracas YVOZ w/local like signal and slow SS vocals at 0141 7/31. (Kazaross)

CAYMAN ISLANDS George Town, R. Cayman fair to good signal when checked several times between 0310 and 0430 carrier cut 8/6. (Lankford) R. Cayman fair w/soft mx 0438 7/29. (Connelly)

1206 HAITI Port-au-Prince 4VDS likely the unid noticed as a het on Cayman Islands about 0310 8/6, weak to fair signal gave audio at times, especially after 0430, but heavy QRM and QRN defeated any chance at a positive ID. Repetitive mx and unusual accent of male anner baffled me. (Lankford) A Haitian believed the one here w/ strong high side het on Cayman; LA style female vocal, then man in FF 0440 7/29. (Connelly)

1210 UNID almost as clear as XEB is here. Several mentions of Guatemala and "este es Radio Rumbos" with American pop mx in SS following. (Krueger) Nothing unid about this-you called it yourself. Calls

1232 MOROCCO Tanger suspected-fair w/singing in strange lang from

0110 to 0115 8/8. (Kazaross)

ST. KITTS Basseterre R. Paradise 0933 8/21, just after s/on. Faded shortly thereafter. Still need verie from this one. (Maguire) Local-like, creaming adjacent domestics; EE religious pgm giving mailing address in Trinidad 0119 7/30. (Connelly) Very strong signal, EE choir 0158 8/7. (Lankford) In 30 minutes before sunset at 2330 7/30 w/usual rlgs pgm. Local like sig. (Kazaross)

1315 DOMINICAN REPUBLIC Bani HIAV w/slow LA mx, fair sig 0052 8/7.

(Kazaross)

1403 GUINEA Conakry very good w/man talking in native African language w/bits of FF thrown in 0426 7/29. (Connelly) Fair audio w/African rhythms 0120 8/5. (Kazaross) Good carrier noted 0330 and later 8/6, but as is often the case, no audio. (Lankford)

ANGUILLA The Valley suspected in heavy slop w/fair sig and 1505 soft vocal mx 0016 7/31. (Kazaross)

1602 WEST GERMANY Munchen briefly rising o/QRM; woman in GG noted on strong carrier 0134 7/30. 1586 just a carrier at the time.

00ps....

CUBA CMJX R. Moron apparently here ex 1210 per ID recorded at 1530 unremembered time this month. Calls and location are quite clear. (Hutton)

8/7 was a very interesting evening for summer DX. Kazaross must have noticed the same thing as lots of his logs are from the seventh. Little static and South America was just rolling in. Zillions oh HJ's were sticking their little heads up out of the mud. Nothing new except 860 and 1021 but that doesn't matter, all things considered. Welcome to Mssr Krueger and Kenneally. Let's see some more names for the September issue-ought to be some more DX rolling in by then.

Charles George, Dallas, Texas Chuck Hutton, Decatur, Ga. Neil Kazaross, Narragansett, R.I. Richard Kenneally, Cincinatti, Ohio Joe Krueger, Corpus Christi, Texas Dallas Lankford, Austin, Texas Norm Maguire, Albuquerque, N.M.

Mark Connelly, West Yarmouth, Mass. R390A, 2 37 m phased wires SSR1, SM2 R390A, 1900' Beverage HQ180A, 100p DX160, CB antenna 2222222222 HQ180A, TRF loop and RF amp SPR4, Sanserino loop

Continued from page 7 "Serving American Forces "

....THE SOUTHERN COMMAND NETWORK

Located between Colombia and Costa Rica in the Central American nation of Panama. As many know, Panama has been in the news in recent months owing to the Panama Canal treaties. While these treaties were being finalized, I was looking through the current World Radio TV Handbook when I came across mention of two United States Department of Defense radio stations located in the Canal Zone area. In doing research, MSG Robert J. Foster, Jr., USA who is the Director of the Southern Command Network was able to provide information relating to the stations.

In 1963, the Caribbean Command (Caribbean Forces Network-CFN) became the United States Southern Command. Following in February of 1964, the unified command assumed operational command of the network from the Army element and has since been operated under the direction of the Public Affairs Officer of the U.S. Southern Command.

All studio facilities are located at Fort Clayton with differing transmitter sites. On the Pacific side of the Canal Zone, HOACA20 operates on 790 kHz with 10 KW of power from Fort Clayton. The FM-Stereo outlet on 91.5 MHz and TV Channel 8 (5 KW) eminate from Quarry Heights. On the Atlantic side, all transmissions originate from Fort Davis. HOSCN on 1420 kHz has a power of 1 KW. The FM-Stereo operates on 98.3 MHz and TV Channel 8 has a power of 5 KW.

The staff of the Southern Command Network averages around thirty in size with staff coming from the Army, Air Force and Navy. In addition to the AM, FM and TV outlets on each side of the Canal Zone, a weekly newspaper is also published. Should anyone be fortunate enough to log any of the Southern Command Network's transmission, their address is The Southern Command Network. Radio-TV, P.O. Drawer 919, APO New York, NY 09827.

As a note, Mr. Foster is also an amateur radio operator with the call signs of KZ5BA, HP1ZRF and WB7QWG.

Coming soon in DX News, other features by Mike Hardester, including "Radio Tonga", "WXLE - Canton Island", and "American Forces Radio - Diego Garcia".

PROPAGATION NOTES

Some time back in this space, we made mention of a paper on the "Maunder Minimum", or perhaps Box Foxworth did (at this point I can't check it too readily, but in any event...) which was published in QST. Author was J.L. Lynch and the paper appeared in the July, 1976 QST (NRC Monograph #33), and noted a period of low to non-existent solar activity between the years 1645 to 1715 from various sources. A clipping recently quoted in 73 Magazine now confirms this from Antarctic ice core studies which have also indicated that this period was essentially without sunspots! On the strength of this, cores from Antarctica and Greenland which are already in storage will be studied in an attempt to chart solar history back over 100,000 years to possibly discover a relation-ship between sunspots and ice ages. If this effort is successful, we may have the tools to more accurately predict solar activity based upon extremely longterm periodicity. And by the way, can you imagine what DX on the BCB must have been like back then with no sunspots???? (Both thanks and apologies to W2NSD/1 de RjE, hi).

In the same issue of 73 (April, I believe, but not sure), on the following pages even, is an article entitled "How Sunspots Work -- Basics for the Novice" by L.A. Erwin, Jr., WA4FDE. It's an interesting article, but it does promote one theory which is as yet rather tenuous, despite the author's comments. This is the theory that there is a direct and demonstrable correlation between the measured 2800 mHz solar flux levels and the A-indices a short time later. This same idea was noted in a Musing in the 8/14 DX News by Dan Bartek. (Did you read this article, Dan?). I have made a cursory study of my records for both indices as well as for the K-index over the past 18 months, and can find no Continued top of next page

significant correlations. Further, I can also find no correlations between the sunspot count and these indices. I'm currently tracking down the study which was cited by the article for further perusal. More on these topics as it becomes available.

So far, there's no sign that the normal reduction of solar activity prior to the fall DX season is on time this year. It certainly won't be early, nor will it be very marked. All levels continue high, and the predictions still indicate the ultimate peak around January 1980.....

73 de RjE

