

November 5, 1988 - Volume 26, Number 6 - Edition 830 - ISSN 0899-9732

In This Issue

National Public Radio AM Stations	4 5 8
DX Worldwide East Power-side Stations	11
DX Worldwide West	12
DX Worldwide II	16
Eastern DX Forum	17
nopot c	18

New Publications

Proceedings

Fine Tuning recently came out with Proceedings 1988, a 200 page book with equipment reviews, DXing Techniques, antenna designs, propagation studies, and feature articles. It's aimed primarily at advanced SW DXers, but much of the material is also applicable to BCB DXers. We'll have a review of it soon, but if you'd like to order a copy, send a check or NO for \$15 + \$2 shipping/handling to Fine Tuning/Special Publications, c/o John Bryant, Rt 5 Box 14, Stillwater, OK 74074.

China Handbook

The China Radio Handbook, published by the Asian Broadcasting Institute, contains very detailed information on Chinese radio stations, based on actual monitoring and replies from the stations. It includes information on administrative districts, IDs, QSLs, history of Chinese broadcasting, the current broadcasting system, schedules for more than 200 stations, and frequency listings for over 1000 stations. The price is US\$15 from Asian Broadcasting Institute, Box 1334, Tokyo 100-91 JAPAN. (info via Medium Wave News)





Station News

Roy Millar has some additional information on the low powered stations at the Washington Ferry terminals (see 9/24 DXM). The 1520 outlet is not the station authorized for Sequim, WA, but a low powered transmitter at the Edmonds, WA ferry terminal. There is also one on 1620 at the Mukilteo ferry terminal. Programming is a continuous string of ads and PSAs. All are 100 mw or less, and challenging DX targets for DXers in NW Washington and SW British Columbia.

KVEG-840

Another major clear channel station came on the air in October. KVEG-840 signed on at 5 am local time 10/18 with 50 kw days & 25 kw nights. They are located in Las Vegas and have a potent nighttime signal throughout the west. Format includes a late evening teletalk show with an 800 number. The host mentioned receiving calls from Lethbridge, Alberta, and Ft Stockton, Texas on 10/19. See WDXR & CDXR for more information.

WKLL-590

According to the St Louis Post-Dispatch, via Tim Kridel, WKLL was knocked off the air by a fire that destroyed their transmitter building on 10/20. No word as to whether they are back on the air yet. WKLL (ex-WRTH). IDs as "Cool" and plays 50s & early 60s rock.

News from Idaho

KRXR-1480 in Gooding and KMCL-1240 in McCall left the air recently, the apparent victims of economic problems. KBOI-670 will be switching to ABC Info soon, and KGEM-1140 may be changing format soon. (Info via Frank Aden)



EASTERN DX ROUNDUP

Editor: Ray Bauernhuber 141-12 243 St., Rosedale, NY 11422

DEADLINE: SATURDAY'S

	Gary A. Heisey Box 310F RD 1 Osterburg, PA -16667
	GE Superadio J.D. Stephens 3605-8 Chasewood
	Huntsville, AL - 35805 RF-2600 w/30' longwire
(JDS-2-AL)	J.D. Stephens 3605-8 Chasewood Huntsville, AL - 35805
(LH-AL)	Sears AM/FM car radio, car whip Lynn Hollerman 1237 Willowbrook Drive, Apt. 5 Huntsville, AL -35802 DX-302 w/30'longwire [CJBC] Toyota car radio [all others]
	KS, Coffeyville 9/29/88 0723-0730 Farm nx, ID, Eureka Downs ad, more farm nx. Lost after WVOK s/on. (LH-AL)
740 WWNZ	FL, Orlando 10/11/88 1909 Wx for Orlando, "WINS NEWS" ID by YL (another WINS station) w/Sally Jessi-Raphael later. Ex-WKIS; calls not clear (like the word WINS). (GAH-PA)
770 WEW	MO, St. Louis 10/1/88 0700 GOOD signal @ s/on; v/semi-local WVNN w/SSB, "Good morning, you're listening to WEW in St. Louis. WEW operates on 770 kHz w/a power of 1,000 watts." BBD mx; wx @0705.
790 WTSK	AL, Tuscaloosa 9/30/88 2022 VERY GOOD w/no sign of Cuban. Wx, spots for Harco (w/ment of W. Alabama Harco stores), Temporelli Imports, R&B mx. (JDS-1-AL)
810 WMTS	TN, Murfreesboro 10/11/88 1915 WEAK "Tune CH 27 WMTS for CLW Music Videos." ID by M; no SSB; QRM from WSVC, WGY. (GAH-PA)
860 CJBC	ON, Toronto 10/1/88 2054-2102 Opera sung by YL in FR(?), ID "CJBC" in FR on hour, talk by M in FR. Electrical QRM behind. (LH-AL)
870 WQRX	AL, Valley Head 10/1/88 1900 GOOD w/"North Alabama's Oldies Channel WQRX Valley Head/Ft. Payne", spots for DeKalb County Fair, unid tire store, Standard Furniture Co., into oldies rock. (JDS-2-AL)
870 WPRQ	TN, Colonial Heights 10/1/88 1900 POOR w/WQRX; w/possible s/off; "have a good evening from WPRQ." (JDS-2-AL)
880 WBKZ	GA, Jefferson 10/16/88 1855-1857 Ads, YL ID, into Rolling Stones music. (LH-AL)

- 910 WTGE LA, Baton Rouge 10/1/88 0603 STRONG W/AOR mx, "WTGE/WTGE-FM, Digital 100.7 Baton Rouge." @0610 "WTGE 100.7 FM w/30 minutes of non-stop mx" by YL. (JDS-1-AL)
- 1010 WHIN TN, Gallatin 9/30/88 2002 GOOD w/no sign of KHLT w/spot for First American Bank, "WHIN Gallatin" ID, into football talk program, spot for Gallatin optical @2011. (JDS-1-AL)
- 1030 WBDX TN, White Bluff 10/16/88 1845-1853 "Country Gold" mx, ads, ID's. Local station QRM; faded in & out. (LH-AL)
- 1080 WEKS GA, Macon 9/30/88 2005 Peaking o/WCII w/local spots, frequent ments of Macon. (JDS-1-AL)
- 1190 WGKA GA, Atlanta 10/16/88 1845 GOOD after WBDY s/off; "Atlanta's WGKA Serving you with 10kw of power" by M; classical mx. (GAH-PA)
- 1190 WXGR MS, Bay Saint Louis 10/16/88 1930 s/off by man giving power, address, and from "staff & management of WXGR good night"; oldie type song just before 'qood night.' (GAH-PA)
- 1250 WTMA SC, Charleston 10/16/88 1900 POOR brief ID by Man; "On a Country Road" program. (GAH-PA)
- 1310 WDXI TN, Jackson 10/7/88 2335 FAIR PSA to register with Selective Service, ID, C&W mx, wx. (GAH-PA)
- 1380 WVSA AL, Vernon 9/30/88 1958 GOOD w/s/off ann by Joel Camp; "...we leave the air to return tomorrow morning @ 6 A.M. for what we think is the best in broadcast entertainment..."; SSB & s/off @2000. (JDS-1-AL)
- 1380 WYSH TN, Clinton 10/3/88 2149 GOOD w/"WYSH Community Bulletin Board", announced USA NET NX @ ToH, into Oldies. (JDS-2-AL)
- 1390 WADA NC, Shelby 10/3/88 2138 FAIR peaking w/C&W mx, "Stereo 1390, WADA" by announcer named Paul. (JDS-2-AL)
- 1410 WQVQ FL, Leesburg 10/1/88 0720 WEAK in muddle w/"WQVQ Radar Weather"; "WQVQ is your weather station." Frequent mentions of "Coast to Coast" slogan. Into Ray Charles song. (JDS-1-AL)
- 1440 WRBE MS, Lucedale 9/30/88 1957 FAIR w/closing annots. by Richard Mason (?), s/off @1959 w/mention of 1440 kHz and power, SSB and off @2000. (JDS-1-AL)
- 1490 WAJF AL, Decatur 10/1/88 2327 FAIR in jumble w/"WAJF the music people" jx, oldies rock. (JDS-2-AL)
- 1550 KKJO MO, St. Joseph 10/4/88 0121 VERY GOOD w/current & oldies Top 40 mx, "The oldies channel, 1550, KKJO" into promos for Ray Stevens concert, Fall Parkway Run, Mo. lottery, "The station that plays your mx, KKJO." (JDS-2-AL)
- 1580 WVKO OH, Columbus 10/1/88 2250 Peaking o/WEAM w/"The heart and soul of the city, AM 16, WVKO"; R&B mx. (JDS-1-AL)
- 1600 WTZQ NC, Hendersonville 10/7/88 2304 Clear ID by YL in local WAYC silent pause during NBC NX! Ex-WHVL; a lucky catch. (GAH-PA)

TENTATIVES & UNIDENTIFIED'S

TRUTATIVES & ONIDENTIFIED 2

810 UNID 10/11/88 1856 POOR w/several ID's by M; C&W mx; sounded like WJSN. First two letters - WJ; WSVC later. (GAH-PA)

1030 WBDX TN, White Bluff 10/12/38 1920 Fade up to fair; several spots for White Bluff Foodland; "Solid Gold 1030"; many ID's by M, played C&W mx (I never made this change in my NRC log and am not 100% positive on the calls); WBZ weak. (GAH-PA)

1150UNID 10/9/88 2125 POOR/WEAK w/WDEL; numerous ments of ARK; talk of ARK State Fair, ARK State Capitol, wx update for ARK Interstate. SLOGAN = "Travelers info Radio AM 1150" by YL; calls not clear. Possible KEZQ? (GAH-PA)

1540 UNID 10/1/88 2343 GOOD in lengthy program of R&B mx. OM announced request line # 870-9117. (JDS-2-AL)

Thanks to all the reporters this time out and a reminder that from this date on...DEADLINES will be SATURDAY'S. If some get to me late they'll certainly make the following week's EDXR. Till then 73's de DX de Mr. B.

Designing a parasitic array

Broadcast Engineering June 1988 via John Johnson

By John Battison, P.E.

Engineers recognize that two vertical radiators, spaced 90° apart and properly driven with one tower leading the other by 90°, result in a cardioid pattern. This design produced what was probably one of the earliest intentionally created directional patterns. The technique may have been applied by an amateur in search of DX, or it may have been developed by one of the pioneer engineers. If an amateur was responsible for the technique, it was almost certainly achieved through use of a parasitic element. If a broadcast radio engineer came up with it, the design probably used a driven element.

Directional antenna use has become almost universal. The United States is undoubtedly the largest user of the DA. Without directional antennas, more than half of U.S. AM radio stations would not be on the air.

As far as I know, no directional antennas in use today employ parasitic radiators. It is doubtful that any were intentionally built with parasitic elements. However, I have recollections of a station at which the DA started out as a conventional array with a driven element and ended up as an unintentional parasitic array.

Franklin antenna

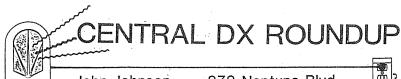
The station was WWWE-AM, Cleveland, operating at 1,100kHz, DA-1 with 50kW of power. It was bought from NBC, and I was director of engineering for the new owner. As originally built, the transmitter used the tall tower of its sister TV station as a radiator. Because the tower height was approximately one wavelength of the AM frequency, the tower was built as a Franklin antenna. One vertical section of the tower was built above the other, as shown in Figure 1.

Because of a slight problem with excessive radiation toward Canada, the commission deemed it necessary to reduce radiation in the direction of Toronto. To achieve this reduction, a wire was dropped from a guy on the side toward Toronto, and a phaser was designed to drive this wire, which was close to the Franklin radiator.

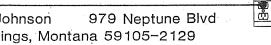
The original plan was to drive the directional element. A transmission line was installed out to the tower base. As it turned out, driving the vertical wire did not accomplish the desired reduction in radiation toward Canada. The tower was then made parasitic by disconnecting the transmission line and substituting a resistor to ground to dissipate the undesired radiation. I do not recall whether the original base network was left in the circuit, but I think approximately 5kW was dissipated in the grounded resistor.

This vertical DA was monitored in much the same way as it would be today, with

Continued on page 7



John Johnson Billings, Montana 59105-2129



All times are Eastern Local. Deadline: Saturdays <<<<<<<<<<<<<<<<<<<<<<<rain

= Shawn Axelrod, 30 Becontree Bay, Winnipeg, Manitoba R2N 2X9

ICOM IC-R70 with a loop, 140' longwire, and mini TUN-3.

= Tom Laskowski, 1334 East Miner Street, South Bend, Indiana 46617 Superadio II, ICF-2010. [TL-IN]

[FTS-MN] = F. Todd Skaine, 2024 Grand Avenue South, #3 Minneapolis, Minnesota 55405-3402

Sony ICF-2010

[FTS-AV] = F. Todd Skaine DXing in Apple Valley, Minnesota

GE Superadio, ICF-2010, 250' SSE longwire.

[JCJ-MT] = Your editor using an ICOM IC-R71A with a Radio West Loop.

840 KVEG NV North Las Vegas, 10/19 very strong, un-nullable. WHAS very faint under during silent periods between music. 0350 with lite-rock such as Cher, Madonna, Stevie Wonder, etc. 0400 ID "Las Vegas Calling, KVEG North Las Vegas" into local news. 0404 ID "Bustin' the border and blasting the Pacific, this is 50,000 watt Super Station KVEG Las Vegas" Numerous "AM 8-40, KVEG" mentions. Some interview segements w/Las Vegas stars and comedy bits which they

call "Comedy Company". Mentioned this was their first day on the air! New for me, NV#26. [JcJ-MT]

930 WRVC WV Huntington, EX-WAMX, 10/2. 0604 with religious music (Sunday morning). Only ID heard "WRVC AM and FM". [TL-IN]

1120 KANN UT ROY, EX-1090, 10/23 good, KMOX nulled. 1930 W/Insight For Living.
2000 ID "KANN Roy, Ogden, Salt Lake City" into half hour back-toback contempory Christian music. 2030 a religious show on "The S-O-S Radio Network" (Sounds of The Spirit). Station has had CP for 1120 for quite awhile, just recently moved. Logging thanks to a tip from Robert Wien of CA. New, UT#57 [JcJ-MT]

570 WWNC NC Asherville, 9/19 mixing w/WSYR, WNAX off. 0531 w/spots for area merchants, ID, weather. New for me, not heard before. [FTS-MN] 580 CKY ON Winnipeg, 9/26 fair u/WKTY. 0138 noted slopping on 570 & 590. [FTS-MN] {JCJ: No programming information given.}

620 WGNR AL Lexington, 9/19 very good. 0700 w/sign on. Mentioned 5000 watts and 99 watts PSSA. Into C&W music. [FTS-MN]

630 CFCO ON Chatham, 9/3 strong u/KDWB. 2106 w/song by George Micheals. Per

tip from George Sherman. [FTS-MN]
660 WVAL MN <u>Sauk Rapids</u>, 9/4. 2048 w/TalkNet. Night power, but normally not heard here at night. [FTS-MN]

680 KWKA NM Clovis, 9/19 weak. 0700 clear ID. Station #682. [FTS-MN]

720 WWII PA Shiremanstown, 10/1 very strong w/WGN. Dominating at times. 0630 with ID "W-W-2, 7-20 AM Stereo". First time heard. [TL-IN]

800 KXIC IA <u>Iowa City</u>, 9/23 fair in WDUX null. 2053 w/pre-game of West HS football. Mentioned sponsers, full ID. Finally logged! [FTS-MN]

900 KFAL HO Fulton, 10/12 good at SRS. 0703 w/local news, three "KFAL" IDs, CEW music followed. New for me. [TL-IN]
930 WFMD MD <u>Frederick</u>, 10/1 good and alone. 0659 w/ID "This is 9-30 AM...

WFMD in Frederick, Maryland." [TL-IN]
990 WYAT LA New Orleans, 10/12 good, alone at SRS. 0724 w/two men talking about the World Series, local spots with mention of Convention

Center. ID. [TL-IN]
1010 KHLT AR Little Rock, 10/12. 0732 with "K-Lite" ID, mentions of Little Rock and Pulaski County. News. Last heard as KLRA earlier this year. [TL-IN]

WHIN TN Gallatin, 9/1 on top. 2013 w/HS football, spot for car dealer, ID into game. What's their nighttime power? 1010#17. [FTS-AV] {JCJ: I show them as a 5000 watt daytimer...PSSA?}

1030 KTWO WY Casper, 10/17 good. 0659 w/SSB, Sign on. Clobbered WBZ. [SA-MB] WBDX TN White Bluff, 9/1 good o/WMIN. 2020 heard with TN football, spots, ID. [FTS-AV]

1040 WSKE PA Everett, 9/28. 1920 W/C&W music, promo for a Hall Mestival with mentions of Bedford. Weather, ID by male DJ. My \$300! [27.-IN]

```
lest 7 TH MC. Fortageville, 9/1 fair o/mess. 2048 w/HS football. [FTS-AV]
     WFAN ma Hew York, 8/28 (before move to 660) poor in CHUM fade. 1955 with
```

sports talk, ID. New for me. [FTS-AV]
WWIC AL Scottsboro, 10/13 very weak in OC of local WTCA. 1943 heard ID only, "WWIC AM 10-50". Other stations heard, but no IDs. [TL-IN]

- 1060 KGFX SD Pierre, 8/30 rarely heard here. 2010 w/spots for Pierre area, ID,
- and spot for Minnesota Twins. [FTS-MN]
 1120 WKOW PA Oil City, 10/1 burying KMOX. 0800 with ID by man, "this is your favorite station, 11-20 WKQW, Oil City, Franklin." New. [TL-IN]
- 1160 WJJD IL Chicago, 9/26. 0100 noted w/TT w/daytime pattern. [FTS-MN]
- 1220 WCPH TN Etowah, 8/31 good. 2040 W/Big Band Music, ID. [FTS-MN] WTCN MN Stillwater, Noted this local going off the air at 1900 daily. Finance trouble? [FTS-MN]
- 1230 KFJB IA Marshalltown, 9/23. 2100 W/East High vs Marshalltown HS football game. [FTS-MN]
 - KMRS MN Morris, 9/15. 2300 w/many mentions of Morris, ID. New. [FTS-MN] KTRF MN Thief River Falls, 9/15 good. 2306 w/Twins game, ID. [FTS-MN]

 - WAUD AL Auburn, 9/19 best GY yet. 0136 W/"WAUD" ID, quickly gone. Heard five new ones on 1230 in one weeks time! [FTS-MN]
 - WCLO WI Junesville, 9/12. 0636 tune into "WCLO" SID, Phil Collins song
- played. [FTS-MN] WKLK MN <u>Cloquet</u>, 9/15. 2258 w/sign off w/America The Beautiful. [FTS-MN] 1250 KCFI IA Cedar Falls, 9/3 good o/jumble. 2030 w/UNI vs Pitt football game.
- Always good to hear my hometown station! Only 2nd time heard, and not even 50 watts beamed this way. [FTS-MN]
 1260 KFGQ IA Boone, 9/23 good. 2020-2030. 2030 sign off mentioned that they
- regret leaving the air. [FTS-MN]
- 1270 WJJY MN Baxter, 9/4. 2037 W/ID, spots, religious program. New. [FTS-MN]
- 1280 WWTC MN Minneapolis, Noted not changing to directional antenna. Also, format has changed back to live oldies (EX-New Age). [FTS-MN]
- 1290 KHSL CA Chico, 10/21 good w/KOWB nulled. 0355 w/PSA, promo for news, C&W. 0400 ID "First in Country, 12-90 KHSL Chico, Willow" into CBS
 News. Not needed, but rare here at this daypart. [JcJ-MT]
 KOWB WY Laramie, 10/21 strong, KHSL in null. 0400 w/Sign Off. [JcJ-MT]
 1360 WWHY TN Milan, 9/1 fair W/KSCJ. Excellent TN area conditions tonight.
- 2033 W/ID and C&W music. [FTS-AV]
- 1390 WADA NC Shelby, 10/7. 1922 W/song by Crosby, Stills & Nash then ID as "Stereo 13-90, WADA that's what we are." More C&W music. [TL-IN]
- 1400 KMHL MN Marshall, 9/19. 0105 w/weather, mentions of Marshall and IDs. Finally heard. [FTS-MN]
- 1410 KLFD MN Litchfield, Noted off the air since 9/30/88. [FTS-MN]
 - WHLN KY Harlan, 9/29 mixing w/WLBJ. 1944 sign off. [TL-IN]
 - WLBJ KY Bowling Green, 9/29 mixing w/WHLN until 1944. 1941 w/C&W music, two IDs followed by local spots and announcements. Faded by 1944. [TL-IN]
- 1430 KASI IA Ames, 9/13. 0715-0745 w/IDs, school lunch menus for Gilbert, IA. Was looking for WRDN. [FTS-MN]
 - KEZW CO Aurora, 9/14. 0745 w/MST TC into area events. [FTS-MN] WWRB TN Madison, 10/9. 2004 w/rock music, ID "WWRB Jackson, Madison,
- Nashville's" (FM 100?). More music, faded. [TL-IN]
 1440 KEWI KS Topeka, 10/14 good. 2015 w/numerous "KEWI 14-40" IDs. High School
- Football game. New for me, KS#20. [SA-MB]
 - KPUR TX Amarillo, 10/20 good. 2115 w/"Stereo AM 14-40 KPUR Amarillo's Oldies Channel" ID into weather and music. [SA-MB]
 - KORS MN Golden Valley, Lowers power but noticed recently ND on and off. Called KORS, said it was cloud cover! hi. [FTS-MN]
 - WEZJ KY Williamsburg, 10/5 in mess during SSS. 2000 heard only SID "WEZJ Williamsburg". New for me. [TL-IN]
 - WHIS WV Bluefield, 10/5 in SSS mess, fade up when WEZJ faded out. 2001 W/ID "AM Stereo 14-40 WHIS Bluefield." New. [TL-IN]
- 1480 KLEE IA Ottumwa, 9/13 fair o/WTDY. 0710 w/farm reports. [FTS-MN]
- 1520 KMAV ND Mayville, 9/13 u/KOMA. 0722 w/area news. [FTS-MN]
- PQ Chicoutime, 10/15 good. 0554 w/Oh Canada then sign on for Radio 1580 CBJ
- Canada. Maybe they aren't NSP anymore? [SA-MB]
 1590 WLBN KY <u>Lebanon</u>, 10/1 in mess of stations. 0604 W/SSB and into sign on by woman, call and city only then nosedive fade. New. [TL-IN]
- 1600 KATZ MO St. Louis, 9/1 very well on longwire. 1955 w/soul music. [FTS-AV] WEUP AL Huntsville, 9/12 all alone, no WCWC, KCRG, etc. 2058-2110 W/soul mx, ID, spot for guy running for council in Huntsville. [FTS-MN]
- 540 [SA-MB] had an unID on 10/2, poor, 0818 playing C&W, no IDs. Any ideas? [SA-MB] had another unID on 10/13, poor. 0730 with man talking about the "Tiger Hills" area. This u/CBK. Any ideas?
- 1430 [FTS-MN] had an unID on 9/12 w/satellite fed nostalgia. ? WRDN ? KEZW ?

1490 [SA-MB] had an unID on 10/18, poor. 0535 with calls sounding like "W-A-F or S-L. All in GY mess.

Todd, your 1430 might be KEZW since you heard them two days later; As for WRDN I show them as C&W.

Robert Wien offers some help on [SA-MB]'s 9/11 unID on 1030 with SS format and mentions of San Antonio. There is a CP for a new station in Tye, Texas which was granted a long time ago, no calls available. CP shows 5KwD, 1KwN.

Does anyone know if this Tye, Texas station is on the air for sure? Bob also pointed out that not enough information was given on other unIDs to offer any help. I once again want to mention, when reporting unIDs, please try to offer as much information possible. If you don't have enough information, please do not report the unID. Simple logic should be used when reporting unIDs. John. Good examples have twice the value of good advice. A big CDXR welcome to Todd who recently re-joined the IRCA! Remember, you too can report to CDXR. It's very simple. Just send in your loggings of actual DX or station changes you feel will help others (Call changes for example). Avoid the powerful clears you always hear--unless there is a change of interest to all. You don't have to put the loggings in frequency order, and you can even use both sides of the paper! Please, if you hand write your loggings go for neatness!! John.

widely varying antenna-monitor readings. Continued from page 4 Stability was not one of the system's strong the antenna monitor reading phase and current in each of the vertical elements Even so, the commission was finally perof the Franklin and in the base of the wire suaded that the transmitter was "within element. Continual problems were enlimits" as long as radiation toward Canada countered because of the high voltages in did not exceed a certain level. A monitor the center of the Franklin antenna. Slight point was established in the appropriate changes in weather conditions resulted in direction, and this became the official TV ANTENNA checkpoint. Sooner or later, the commission will accept parasitic antenna arrays in some specialized cases. However, I do not see this happening in situations in which a critical, or even mildly tight, tolerance exists. As far as I can tell, the rules do not T2 prohibit parasitic arrays, but they do not specify how the desired radiation control is to be accomplished. 1=(-)))] APPROXIMATELY ONE WAVELENGTH ATU CANADA T1 ТЗ COAX 1 COAX 2 ATU

Figure 1. The original WWWE-AM Franklin antenna used a sectionalized, tall TV tower. Directional operation was first attempted by dropping a vertical wire from a guy and using it os a driven element.

COAX 3 (UNUSED)

NANCY HARDY, EDITOR



DEADLINES: MONDAYS

REPORTERS FOR THIS ISSUE: (TRH) Tim Hall-350 G St. #F-1-Chula Vista, CA 92010 Sony ICF-2010, Radio West loop

Nancy Hardy-2301 Pacific Ave.-Aberdeen, WA 98520

FRG-7, Radio West loop (RtH) Ric Heald-8539 Bellamy Way-Sacramento, CA 95828 FRG-7, SM-2

Patrick Martin-Box 843-Seaside, OR 97138

SP-600, 1500 E. Beverage, 200 NE LW, 1400 NNW wire Curtis McMenamin-2917 Georgia St.-Vallejo, CA 94591 Sony ICF-2010, Radio West loop

(CM)

Bruce Portzer-6546 19th Ave. NE-Seattle, WA 98115 (ad) Sony SRF-M40W

Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118 GE Superadio, GE long-range portable, SM-2

OF SPECIAL INTEREST:

840 KVEG $\underline{\text{NV}}$, North Las Vegas 10/18 2230 coming in very strong. This is a new station on the air. Newstalk format. Heard them mention a power of 50,000 watts day/25,000 watts night. (CM-CA) +10/19 0412 "...on our almost 24 hours of operation, your Las Vegas superstation." (And what about KDWN for 14 years? hi.) AdCon music. Poor signal, WHAS can be equal to KVEG or slightly

better. New station on the air. (RtH-CA) +10/23 0700 forst noted very strong on car radio with AdCon music, male DJ, slogans including "AM 840" & "Superstation, Las Vegas style." Also 10/23 1530 with fair signals midday. There goes another clear channel here. Called station, first day was

10/18, will be 24 hour NSP. More details in an upcoming Forum. (TRH-CA)

+10/23 2257 AdCon music, 2300 "Superstation Las Vegas style, K-V-E-G." Fair-good over nulled KSWB. (NH-WA)

550 KUZZ CA, Bakersfield 10/16 2137 o/u KOAC with country gold show, IDs. New. (PM-OR)

HI, Honolulu 10/18 0420 fair with rock music & phone-in requests. 690 KQMQ

Best heard in a while. (PM-OR)

ID, Blackfoot 10/18 0530 fair to good with "The music you remember" satellite service. XETRA off and on testing. Called KHLI to get address and was told they operate with something K BT. T like 45 watts at night! (PM-OR)

710 (KFIA) CA, Carmichael has been off after 0300 every night since 10/15.

Hope it's permanent. (RtH-CA) UT, Ogden 10/17 1006 faded up nicely over KPNW with ad for 1120 KANN speaker in Brigham City, Ogden weather, then into hymns by woman. Freq. change ex-1090. Thanks to Tim Hall for this tip.(RW)
2KANN?+10/16 0920 & 10/17 0015 Christian music in KPNW null. (bp-WA)

1150 KKEY OR Portland 10/17 0940 good on top with ID into missionary

program. (RW-CA)

1210 ?KEBR? CA, Rocklin-Sacramento 10/17 0820-0830 prob. the one with "Family Radio" format per loggings by others. Fair & fadey but alone. (bp-WA)

```
1210 KASY WA, Auburn 10/17 0830 suddenly popped on & said "KASY Auburn
                                        now begins another broadcast day, " into AdCon music. No longer
                                         CA, Stockton 10/20 2211 TC, contest promo by woman mentioning "KWG," into oldie. In quite well over others. New. (NH-WA) ID, Burley 10/15 0658 heard with s/on info, into NA. (PM-OR)
                                         AN? (bp-WA)
1230 KWG
                    KBAR
                                         NV, Las Vegas 10/20 2202 oldie, 2204 ads, followed by ID.
                     KLAV
                                         Fair to good over the mess. New. (NH-WA)
WA. Chelan 10/15 0340 ID out of pop song, "Serving Brewster &
                  KOZI WA, Chelan 10/15 0340 ID out of pop song, "Serving Brewster & Okanogan County, this is KOZI AM & FM Chelan." New Now AN apparently at least on weekends. Heard again 10/17 0457 with "Listen to Radio KOZI" ID. (PM-OR)

KTEE ID, Idaho Falls 10/17 0800 good at s/on in KOIT null. Ment. 5kw days, 500w PSA. (RW-CA)

7KWYR? SD, Winner 10/17 0715 susp. weak in KOIT null o/u KVSF-CFRN with TC of 6:15, ment. of ad "...brought to you by South Dakota's ...??" then faded out. Had ABC-I news on hour. C&W music fits KWYP. Should've been on 500kw PSA at this time. (RM
 1260 KTEE
                                          music fits KWYR. Should ve been on 500w PSA at this time. (RW) OR, Lake Oswego-Portland 10/16 0900 fair o/u QRM with legal ID
  1290 KLVS
                                       and Elvis music. (bp-WA)
+10/17 0447 faded up strong over mess with ad for National
Broadcasting School, ID "It's 1:47, on Elvis 1290," all-Elvis
Presley music, faded under KUMA-KGVO with KMEN-KCUB nulled.
                                          Presley music, faded under KUMA-KGVO with KMEN-KCUB nulled. Call change, ex-KVIX. (RW-CA)
OR, Enterprise 10/15 0605 ID out of news. Fair in jumble. (PM)
OR, Enterprise 10/17 0445 weak with ID. Faded soon after. (PM)
AB, Medicine Hat 10/17 0440 weak with ID. (PM-OR)
KY. Paducah 10/17 0459:30 fair with ID in passing. (PM-OR)
AL, Montgomery 10/19 0520 fair o/u mess with Black Gospel. (PM)
MO. St. Louis 10/17 0459 good over mess with Homeless Kids PSA,
ID at 0500. Best heard in a while. Again 10/18 0400 good over
mess with R&B music, "KATZ-St. Louis" ID. (PM-OR)
  1340
                      KWVR
  1360
1390
                       KRKK
                       CJCY
   1560
                       WPAD
   1600
                       MXVI
                        KATZ
    UNIDs:
                      10/17 0330 coming in very poor with CBK off. I thought that I heard them mention CBC-540 then gone. I do know that it was not CBK. Anybody know what this could be? Possibly CBT? (CM-CA)
        540
   body know what this could be? Possibly CBT? (CM-CA)

1070 10/3 0100 coming in very poor under KNX. Heard them mention Ontario, then lost for good. Looped east. Possibly CHOK, but I don't know. Anybody know what this could be? I was looking for WTSO. (CM-CA)

1180 10/10 0400 with KERI off, coming in poor under KOFI. Looped east. Heard with Spanish programming. Anybody know what this could be?(CM)

1290 10/17 0538 intriguing unID. Faded up briefly with ment. of "You're listening to the Best of King, highlights of..." faded out, so Larry King outlet. However, only King outlets I list are all "W" calls! Is KGVO or possibly KOIL now affiliate? No logical "W" choices out of the three listed. KCUB nulled, faded out instantly under KLVS. (RW)

(Bill says KGVO-MT is on the list as of May '87.-NH)

1580 10/10 0300 coming in very poor under KDAY/KNIX. Heard with Spanish programming. Any ideas? (CM-CA) (Most likely XEDM!-NH)
      Lo and behold, a couple of "NH" tips this week, hi. That just goes to show you that if <u>I</u> can report so can <u>you</u>! Let's have some nice long WDXRs
      this season.
                        National Public Radio on AM Radio (from an NPR list 10-88)
                                                                                                                            Towa WOI 640 Ames/DesMoines
                        Alaska
                        KBRW 680 Barrow
                         KYUK 580 Bethel
```

```
Minnesota
KDLG 670 Dillingham
                               KSJN 1330 Saint Paul/Minneapolis
KBBI 890 Homer
KOTZ 720 Kotzebue
KCHU 770 Valdez (bless you)
                               New York
                               WXXI 1370 Rochester
                               WNYC 830 New York
Arizona
KUAT 1550 Tucson
                               Oregon
                               KOAC 550 Corvallis
Illinois
WILL 850 Urbana
                               South Dakota
                               KUSD 690 Vermillion
Washington
KWSU 1250 Pullman
                                Wisconsin
                                WLBL 930 Auburndale
```

WHA 970 Madison



EDITOR: JIM HALL #240 BYRON ROAD # PITTSBURGH, PENNSYLVANIA 15237-4015 U.S.A.

The following per a 10/24 phone tip from George Hakiel-NY (739 Van Buren Ave., West Islip, NY 11795): George has been getting an LA carrier on 745, believed to be the Ecuadoran floater HCSE4 R. Libertad, Chone. nf is 740, but has been noted vf 747-767 over the last couple of years. He reports regular SS talk/mx and probable s/off @0430 (see my tentative in the PA section, George. ed) but still unID. Also, indications are that Latin American DX should be on the rise so let's hope for some good DX to be heard starting this season. There are a handful of tentatives this week - everything from the possible HC on 745 to, believe it or not, another possible Cuban on 1610 (see PA section). I have also been getting a carrier on 738 that must surely be Papeete, Tahiti (Fr. Polynesia) so I'm hoping for some audio there this season, and the bearing seems correct. More on Cubans: the 600 Radio Rebelde has not been noted regularly and they might possibly have closed the freq. or moved - a shut down on 600 seems unlikely for Cuba though and I'd suggest being on the lookout for another Cuban opening the freq. Also, from DXWW-E will be a Standard Broadcast Cuban List in the coming weeks. Times and dates are UTC:

TRANS-PACIFIC DX

738 t TAHITI, Papeete 0800a 10/19-23-25: A carrier looping appropriately has been noted fading up around this time lately. I'd presume it's from Fr. Polynesia here and will be checking here frequently for the WRTH listed FF at this time. (Hall)

TRANS-ATLANTIC DX

- 1206 FRANCE, Bordeaux 0551 10/26: M in Arabic w/1205-Cayman het. Usual // on 1557 too weak to 10 tonight (1557 usually better). //1377 on Network B. (Hall-PIT)
- 1377 t FRANCE, Lille 0555 10/26: Faded up w/severe St. Pierre et Miquelon 1376.2 het w/Arabic m talk and very unusual jazzy mid-East type mx. Was //1206 and no doubt at all France, but no ID was heard. (Hall-PIT)
- 1467 MONACO, Monte Carlo 2309 10/24: Very readable EE rigs pgm w/hymns about the
- easiest TA at LSS. (Hall-PIT)
 1521 SAUDI ARABIA, Duba 0341 10/25: V. gd w/some AA tlk and mx. (Hall-PIT)

PAN-AMERICANA DX

- 600 <u>COLOMBIA</u>, Barranquilla HJHJ 0500 10/20: In apparant Cuban absence, LOUD/Dominant w/TC's''La hora en Colombia' and Tropical mx. 2nd SSLA under was <u>not</u> the Cuban-YV? (Hall-P!T)
- 730 MEXICO, XEX 0430 10/16: Strong at times, fr/gd most of time. Noted "..Mexico" in the ID, then chorus sang something, not sure what? ("Radio Festival"? ed). Over CKAC. (Wyllie-MA)
- 745 t ECUADOR, Chone HCSE4 0345 10/24 & 0356 10/26: LA carrier per George Hakiel tip-10/26 barely putting audio o/slop but seemed like SS talk by man. 10/26 I noted a definate carrier cut (not fade) as in after a s/off at 0402 George, could you have heard the possible 0430 s/off on a weekend? Maybe they're on only til 0400 on weekdays? Will keep checking here, and thanks George! (Hall-PIT)
- 750 VENEZUELA, Caracas YVKS 0220 9/23: Strong, EE & SS rock songs. Hrd an ID (what? "Venezuela, Caracas 7-50". (Wyllie-R!)
 850 COLOMBIA, Bogota HJKC 0442 10/20: CARACOL here is //4755SW (see last issue) as
- 850 <u>COLOMBIA</u>, Bogota HJKC 0442 10/20: CARACOL here is //4755SW (see last issue) as noted w/SS commentary this date. Usually way down in mud swamped by WRMR. (Hall) 890 <u>unlD</u>, 0110 10/7: Fasst SS songs and at 0117 into sports event o/WLS. Who is this? (Wyllie-RI) (Probably Colombian R. Galeon, William. ed)
- 895 NEVIS, Bath Village: Additional notes per phone tip from G. Hakiel-NY: ID is for Nevis (see also information from Ray Moore last issue, as well as info. on the 895 In the 2 previous issues). This QTH is not the British Virgin Islands as previously suspected -- per George it seems the dj's/ancrs may be announcing coverage areas in the area and are confusing us with local areas such as "This is VON Radio serving. such and such. and the British Virgin Islands". Also, more confusion as the ancrs, seemingly unaware of the AM/FM spectrums, are saying "89.5" (unless there really is an FM ironically on the same #1s. ed). Anyway, address given is P.O. Box 196, Bath Village, Nevis WI. An inquiry for information will be sent from here. (Hak/Hal
- Bath VIIIage, Nevis Wi. An inquiry for information will be sent from here. (Hak/Ha CUBA, Cacocum CMKB 0131 10/7: Fast SS songs, ID "R. Progreso Cadena Nacional" //660. Not heard here before. (Wyllie-RI)
- 7/660. Not heard here before. (Wyllie-RI)
 930 <u>CUBA</u>, Ciego de Avila CMID 0417 10/15: R. Reloj nx, time ticks & code "RR" ID w/
 good but week signal. (Wyllie-MA)
- good but weak signal. (Wyllie-MA)

 940 CUBA, Colon CMD1 0424 10/15: R. Reloj w/time ticks, nx, "RR" | D's, much stronger than on 930. (Wyllie-MA)

- VENEZUELA, La Asuncion YVRS 0225 10/8: Lively SS mx, mostly strong w/splash 1020
- from WBZ-1030. ID as 'Margarita' & gong noted at 0225. (Wyllie-RI)
 ANTIGUA & BARBUDA, St. John's ZDK 0129 9/30: Gd o/WwWE w/reggae mx. 1100
- CUBA, La Julia 0127 10/13: R. Taino w/jazz and SS mx, EE tlk by m & EE 1D's -1160 only SS was in songs. ID as "Cuba - your island in the sun, this is Taino Tour
- Radio in Havana, yours for the listening." (Wyllie-MA)
 1370 t COLOMBIA, Barranquilla HJBO 0543 10/21: Presume R. Pileto which has been heard in the eastern US before -- mixing heavily with Cuban w/tropical mx (def. HJ mx) possible ref to Barranquilla, and the clincher, a TC of "dece cincuenta seis" at 0556 which agrees w/Colombian time now of UTC-4. (Hall-PIT)

 CUBA, Jaronu CMHY 0555 10/23: LOUD //910/1360/1370 w/Cuban rumbas, QRM from St.

 Pete-FL (presumably still WRBO). (Hall-PIT)
- 1380
- CUBA, Clego de Avila CMDP 0722 10/15: LOUD w/KITA w/lively Cuban vocals, //1430 1440 which isn't usually as strong. (Hall-PIT)
- which isn't usually as strong, (Hall-PII)

 t MEXICO, Mexico XESM 0640a 10/20: SS ancr, US pop/T40 and occ SS vocals. May be the one as on tape review I hear a possible "XESM" (equis ay aysay emmay) call ID. Some SS talk yielded "Radio" & "Noticlas de Radio" and possible "doce" ID at my 0624 (2:24m local). Any help here? I'm not sure if the TC matches as 1º11 have to consult WRTH for their local time. (Hall-PIT)
 - t COLOMBIA, (time above for t XE): Very tentatively hrd details that sd/lk an HJ was mixing in this AM - will have to review tapes again. There are several listed & 1 couldn't guess which is likely, although Call might get out well.)Hall-PIT) uniD, 0601 10/20: Mixing w/above 2 SS stn's and an uniD US stn on 2000 Bev. - a s/eff after SS talk w/NA - will review tape to see if it's a Venezuelan anthem, but
- still unsure If YV. It def. sd/lk the YV anthem. (Hall-PIT) CUBA, Clego de Avila CMIR 0547 10/23: Off Bev. w/NOXR off bftl/instru. mx of 1560 US and Latin type (no commercials/vocals en this chan.) w/soft-spoken SS lady w/occ talk and "encyclopedic facts" on "R. Enciclopedia" net. Still trying to get the // on 1280 which was on 1281 and heard there a couple years back. (Hall-PIT)
- ANGUILLA. The Valley 0103 9/30: Caribbean Beacon w/rigs pgms. Noted CNN nx and National nx at 0105 UTC. Streng signal. (Wyllie-RI) t CUBA, ??: Noted 0420 10/26 when tuning past Anguilla to check for an ID on a PA-1610
 - IDing pirate on 1650a (1649.35) to do DFing. Anyway, deep under Anguilla and VA-TIS (Appomattix) were the pip and "RR" morse R. Reloj ID's every minute I could barely make it out but was in sync w/all the usual Reloj's hrd (590/760/790/910/920/930/940, 1180a/1270) although due to QRM/QRN and a bit of spur from KDKA the SS wasn't readable. I'd suppose it is about 100 or 250 watts as a measurement has not been taken yet (f.m.). I don't think it was any type of spur or even pirate although this is still "unofficial". Checked after Ang. s/off but LA cx weren't good and this wasn't hrd. Anyone else note this? Getting a jump on the extension to 1700 kHz? (Hall)

CREDITS:

- (Wyllie-RI)
- William Wyllie, 95 Peck Street, Franklin MA 02038 (Fisher 418 w/indoor antenna used at Prudence Island, Rhode Island; -MA) Realistic Modulaire 2200/indoor antenna used at Franklin QTH)
- 739 Van Buren Avenue, West Islip, NY 11795 (Geo. Hakiel) George Hakiel, (phone tip)
- Jim Hall, 240 Byron Road, Pittsburgh, PA 15237 (Hall-PIT)

POWER-side stations

POWER-side is a new processing system invented and produced by Leonard Kahn of AM stereo fame. Simply, this system is a hybrid of conventional AM and single side-band, putting most of the modulation on one sideband, and reducing the amount in the other, proportionally. The idea is to improve receprtion of the station using POWER-side by increasing their range, like SSB, improving their coverage in adjacent channel situations, and as a halfway point between AM and the eventual adoption of superior SSB radios for AM broadcast band in the future. This, in the words, paraphased, of Leonard Kahn. These stations are currently using POWER-side, and there are others who don't want their "secret advantage" publicized to their competition.

```
WBSM 1420 New Bedford, MA
                                KYOK 1590 Houston, TX
WEBR 970 Buffalo, NY
                                KTSA 550 San Antonio, TX
WSYR 570
         Syracuse, NY
New Haven, CT
                                          Dallas, TX
                                KSSA
WELI 960
                                KTOK 1000 Oklahoma City, OK
WMCA 570 New York, New York KMOD
                                          Tulsa, OK
WWRL 1600 New York, NY
                                KSL 1160 Salt Lake City, UT
WTHE 1520 Mineola, NY
                               KTKK
                                          Salt Lake City, UT
                               KMNY 1600 Los Angeles, CA
KEST 1450 San Francisco, CA
WMTR 1250 Morristown, NJ
WHWH 1350 Princeton, NJ
                               WLEO 1170 Ponce, Puerto Rico
WONO
          Orlando, FL
WRBQ
          Tampa, FL
```

DX Worldwide - West



PAT MARTIN P.O. BOX 843 SEASIDE. OR 97138

This is the last column for a couple of weeks as I am going on vacation to Hawaii and will be back on 11/14. I do have a couple reports that I want to get in before I go, though. So here goes:

PAN-AMERICAN DX ROUNDUP

890 COLOMBIA, Santa Marta-HJPM strong 10/17 0625-0700 w/tropical mx; at 0659, full ID "Desde Santa Marta.....Radio Galeon HJPM...30 Kilowatios en 890 kilohertz....dos en punto" (That's two (o'clock) on the dot") Then faded under CJDC. (GK-CA)

TRANS-PACIFIC DX ROUNDUP

1629

- 693 JAPAN, Tokyo-JOAB NHK2 hrd 10/13 0942 and 10/15 1420 weakly. Best JJ so far this season. (GK-CA)
- 720 U.S.S.R., Yuzhno-Sakhalinsk, hrd 10/13 0930 w/Kremlin Bells u/KDWN. (GK-CA)
- 828 JAPAN, Osaka-JOBB NHK2 hrd poor signal 10/13,0847 in JJ (GK-CA)
 - AUSTRALIA, Sydney/Melbourne 2RPH/3RPH Many U.S. DXers who concentrate on getting domestic stations only should have little troble locating this pair of 500 watters so many thousands of miles away. They arrive here with surprising signal strength these October mornings between about 1000 to 1200 UTC a minimum of fading noted. The only problem is knowing which station you have, for there are two of them and beating between them is constant. Their mutual interference makes voice IDs hard to hear amid the local QRN, but you can be sure you're getting Australia inasmuch as 1629 is a clear channel. Their signals were so strong and steady I got to wondering if some local image was getting in on 1629, so I checked it out in the daytime, no trace of anything there. The Loop antenna on my HQ180 tells me these stations are arriving from about 3 or 4 degrees South of due West. They null with the loop about 356-357 degrees. I have them on tape Oct 19 and 23rd, including the first time, some tunes I was able to name...Announcers these are male, but I wish one of them would give that job to some female in these hours so we would have some way of telling them apart...They offer no signals of any sort on the hour or half hour. Believe me these down under midgets transmit a GIANT signal. (GM-CO) (Gene: These stations have been heard here since they signed on several years back. To date I have them all confirmed including Kensington Univ. on 1750 KHZ with 300 watts and 1692 KHZ with 500 watts. Unfortunately it is off. But like you I also getting the mixing on 1629 plus 1620 KHZ here with three stations 4RPH, 1PPP, and 7RPH. They do get out for 500 watts. PM)

THANKS TO THESE REPORTERS:

GM-CO GENE MARTIN-3303 East Evans Avenue-Denver, Co.
GK-CA GLEN KIPPEL-612 West AQvenue-Merced, Ca. 95340
SP-600 JX17, two cross oriented 8 foot single turned non-resonant non rotatable loops.

DXWWII



Paul Swearingen 3132 SE Irvingham St. Topeka, KS 66605-2948

You'll notice quite a few changes since the last DXWWII column in September. Thanks especially to im Hall for his valuable updates, Nick Hall-Patch for the Medium Wave Circle bulletins, and to the Arctic Radio Club of Sweden. Without their input this column would be pretty crummy. And think Topeka-DXCon '89 when you think convention.

Trans - Pacific

Australia - The communications Minister has revealed plans to alter MW and FM usage. Two FM frequencies will be auctioned in each capital city to existing MW stations wanting to move to FM. Their MW frequencies will be released, one to be used for a Radio for the Print Handicapped station, the other for parliamentary broadcasts, thus removing the obligation from the ABC. (R. Australia via BDXC via ARC)

Bangladesh - 1413 - Comilla was formally commissioned on July 1. (Mazumdor in SCDX via ARC) China, Peoples Republic - 1193-Weihai PBC apparently new here. (T. Gima in ABI, via FERC)

Cook Islands - 630 - RCI's schedule differs from WRTH: Mo-Sa 1600-1000 and Su 1700-1000. The frequency of 830 kHz, formerly used for broadcasts from Parliament when sitting, is no longer being used. The power is 5 kW, and available is a standby transmitter of 500 watts if the 5 kW breaks down. (HWW, NZDXL, via ARC)

India - 1566 - Nagpur, the National Channel of AIR, was officially commissioned effective May 18 and is on the air 1225 to 2000. Programming is in English from 1740-1830. 1000 kW, omni-directional. (SCDX via LR+OA, ARC). Easily audible in New Zealand, according to Laurie Boyer.

Iran - 936 - Shahr-e Kord, 10 kW, new. (SDXL via ARC) Macau - Despite stations Radio Vila Verde and Televisão de Macau being listed in the WRTH as being located on Rua Francisco Xavier Pereira, no trace was found of either station during a comprehensive search. A Hong Kong address was found for Radio Vila Verde. (ADXN via SDXL via ARC)

Korea, Rep. - 1188-FEBC has doubled output to 100 kW. (BDXC via ARC)

New Zealand - The New Zealand Broadcasting Tribunal is faced with many applications for new stations in the FM band. Thirteen applications in Auckland include MW outlets which want to go to FM, which is also the case in other cities. (Cushen's DXW via SCDX via ARC)

Papua New Guinea - R. Eastern Highlands-900, now here. (T. Inoue via Y. Sano via FERC)

Philippines - DWAM-1080 Batangas City, ex-1386 since at least April.

DWDD-1134, Manila, ex-DZAF, 10 kW. DZCA-1170 Manila, ex-DZRP, 10 kW. DWBL-1242, silent for several months,

now on. (Y. Ichikawa, FERC)

DZRM-1278, now "Radyo Manila", ex-"Radyo ng Masa". (Y. Ichikawa, FERC) This station operates all nights on Mondays only. (Y. Sano) DWYH-1314, Manila, ex-DWXI, but has

been heard with old calls after change. (Y. Ichikawa, FERC)

United Arab Emirates - 1481 - Dubai noted here. (EBU via BE via ARC)

Trans-Atlantic

Albania - 693 - Pogradec, new at 10 kW. 621/909 Korce heard there. (EBU via BE via ARC)

Algeria - 1098 - RTA Ouargla seems to carry French programs until 0005, Arabic afterwards. (JJK in DXC1 via ARC)

576/1355 - National Radio of the SADR reported on air 2000-2400 with Arabic until 2315 followed by Spanish. The latter channel has been joined by the former, a channel used by the Algerian Arabic service and the Polisario Front's Voice of the Free Sahara service. The 576 channel now carries CH. 3 in French until the start of National Radio of the SADR. (BDXL via MWC via ARC)

Andorra - R. Andorra's old castle building is abandoned and overgrown, but two tall MW masts are still standing on the nearby mountain ridge. In the back yard is a log-periodic aerial, presumably the one used for the 49 mb transmissions a few years ago. The transmitting equipment is believed to still be in the building. As for Sud Radio, their studio center in Andorra La Vella is also locked up and abandoned. Their tx building at 2,500 metres above sea level still stands, but the aerial masts have been taken down. All Sud Radio activities have been transferred to Toulouse, France. There is only one radio station actually in Andorra: R. Valera, broadcasting in Catalán on FM. (SCDX via

Canary Islands - EAK92-1269 - COPE Las Palmas reported silent. (EBU via MWC via ARC)

Cyprus - 981 BFBS Dhekelia is reported by EBU to have closed down. (MWC via ARC)

Egypt - 621 - Palestine Radio Service here 0600-0800. (MWC via ARC)

Gibraltar - R. Gibraltar still on this frequency. However, superior reception in stereo is on FM, 92.6, leading to speculation that this station will be off soon. (LR, ARC)

Greece - 1503 - AFRTS Iraklion, ex-1584. (WRTH via SDXL via ARC)

Ireland - The Dublin Parliament has passed legislation to reorganize the Republic's broadcasting system. The new Act, which becomes law later this year, will introduce new city, county, and town and surrounds commercial and community radio stations, as well as to provide the framework for a national TV service. The Government says it hopes

that the first of the new stations will be broadcasting by the beginning of 1989. It has also warned operators of existing unlicensed stations that they may have to close down ahead of that time. (ARC)

The go-ahead was given in late July for Radio Tara, the Ireland-based commercial radio station which will start broadcasting on longwave next year. The Irish Government rejected an appeal against planning permission for the transmitter, which will be sited at Moynalvey in County Meath. (Finnish Times via BD via ARC)

Italy - R. Dimensions Suono-1503 new, relaying Bologna FM 104.45/104.25. (Valianti in PDX via ARC)

Lebanon - 1190 - "The Palestine Radio, the PLO Radio" has been heard here. (NASWA via ARC)

Madeira - 531 - CRM Porto Santo seems to be active. (JJK in SDXL, and EBU via BE, via ARC)

Malta - 1557 - Cyclops, 600 kW back on as of September. (Jim Hall)

Melilla - 1359 - RNE is now reported to be using 5 KW. (EBU via BE via ARC)

Morocco - 774 - Agadir 2 is missing from WRTH-88. (RO1 in SDXL via ARC)

San Marino - Representatives from the San Marino Tele Administation have visited AWR in Forli, Italy, explaining that the Government of San Marino is interested in beginning broadcasting. They have asked AWR to make a proposal for the establishment of an international broadcasting station. (Puff in SCDX via ARC)

Saudi Arabia - 864 - Damman has increased power to 500 kW. (EBU via BE via ARC)

Spain - 558 - RCE San Sebastian, ex-1314. (Madridx via SDXL via ARC)

702 - RNE R1 Zamorá, new with 10 kW. (Mundo-DX via SDXL via ARC)

855 - RNE1 new with 5 kW. (ARC) 1152 RCE Zamora, new with 5 KW (EBU via MWC via ARC)

Tanzania - In-town monitoring in July revealed that R. Tanzania, Dar es Salaam, is using 531, 639, not 656, and morning and afternoon 1035. (LR, ARC)

Togo - 1394 - RTV Togolaise, Lomé heard here. (JJK in DXC1 of SDXL via ARC)

United Kingdom - 603 - BBC Radio Gloucester has started test transmissions, relaying Radio 2. Power is 0.1 kW. (DX-N via SDXL via ARC)

Sunshine Radio-1017, Ludlow heard testing in preparation for a Community Radio license, signing off around 1130. (AP in BDXC via ARC)

1404 - Kolorful KQV heard Fri/Sat 2100 in the Thames Valley with '50's/'60's oldies and old U.S. radio ads. (AP in BDXC via ARC)

The Government appears to have pushed aside plans for a Radio Bill in the autumn, delaying by a minimum of 21/2 years the start of new local community and commercial radio, and of the first of three national independent radio stations. The Home Secretary, Douglas Hurd, is now thought to have resigned himself to bringing one massive Broadcasting Bill before Parliament late next year. He had assured that the Radio Bill would go before Parliament this Autumn. The new joint Broadcasting Bill will lump together both radio and TV issues.

The BBC expects that Radios 2, 3, and and all of its local/county stations will be FM-onl operations withing about three years. However the new BBC local stations will broadcast on botl AM and FM, with the corporation pointing ou that this is designed only as a temporary measure (ARC)

Pending New legislation on the estab lishment of a new radio authority to license al non-BBC radio services, the Government wil continue to issue licenses for "special event" sta tions. These are very low power stations at festi vals, conventions, county shows, sporting events etc. They are permitted to operate for the duration of the event only. Coverage is restricted to the sit of the event; thus, power levels are very low. It 1986 and 1987, a total of 31 licenses were issued fo 569 events, and during this period, the Hom Office restricted the licenses to cover MW trans mitters of 50 mW maximum, usually operating between 1350 and 1602 kHz. However, from 1988 FM services are to be allowed, with the maximur. power around 1 watt EMRP, with higher MV powers being available. Frequencies will b granted, subject to availability. (DK in BDXC vi ARC)

Pan-American

Bolivia - R. Santa Clara-nom, 800

R. San Lorenzo-960, ex-950, 5kW (WRTI

via DXA)

kW.

According to the Director General c Telecommunications, a new frequency plan i under preparation. The plan, due to take effect within a year, includes readjustment of frequer cies and transmitters. Many changes relate to lov power stations that are often drifting tens of kH around the band. It is particularly difficult mair taining an up-to-date accurate picture of the Al band in Bolivia. (Steve Whitt in MWC)

Brazil - 670 - Sist. Sul Mato Grossense de Radio, Pont Porá, new with 10 kW. (WRTH via MWC)

ZYJ287-890, R. Ubu, ex-1520. (CRM ARC)

British Virgin Islands - ZBM-895 Tortola, 10 kW new. Daily s/off 0200, off weekends (Georg Hakiel via Jim Hall)

Chile - CB60-600 R. Gigante on since July 1. (SCD: via ARC)

Colombia - HJBX-1170 Ondas del Meta, ex-1200 (Julian Anderson via ARC)

R. Aaustral-1300, ex-1540 (WRTH vi DXA)

Costa Rica - TITNT-670 R. Monumental, San Jose now 10 kW.

TIHB-730, Radio Reloj, San José, now 2

kW. TIRA-7890, R. América Latina, San Jose

now 3 kW. TIGC-820 R. Centro, San José, now 241

TILDA-890 R. Linda, San José, now 1

TILX-1360 R. Monumental relay in Punt Arenas, 1 kW. (All WRTH via ARC)

Cuba - R. Taíno has been heard on 640, 830, 1040, an 1160 kHz. (Jim Hall, and BDXC via ARC)

ominican Republic. - R. Clarín-860, Santo Domingo, now 50 kW.

 $\ensuremath{\mathsf{HIMR}}\xspace\textsc{-}1200$ - R. Caracol, Azua temporarily off the air

HIMG-1350 - R. Rutas Musical, La Romana, ex-1360 kHz.

HIRP-1380 - R. El Seibo, not on the air HIAE-1410 - R. Tricolor, Santo Doming,

silent

HIJC-1430 - R. Maibá, Santiago, ex-1560. HIAK-1440 - R. Renuevo, Santo Doming, off. (All WRTH via ARC)

HIAJ-1565 (actually 1564.85), R. Amanecer, Santo Domingo, from 1574.85 vice nominal 1570, running from 1570-Turks and Caicos QRM? (Jim Hall)

cuador - Canal Manabita-625, ex-820.

L. V. del San Santuario-970, ex-955/950. R. Caribe-1430, Guayaqui, new slogan. (WRTH via DXA)

HCHC1-740, R. Melodía, ex-735. (My only Ecuadorian, taped on 735. -pls) (JCC, ARC) Ondas del Río Yacuambi-1505, ex-1505, Canton Yacuambi. (WRTH via DXA)

alkland Islands - 550 - FIBS/BFBS Bush Rincón now operational, but signal strength tests were still being carried out in June, according to Steve Whitt. (MWC via ARC)

Guatemala - R. Payaqui-1250, ex-1580, 3 kW. (WRTH via DXA)

Iaiti - 4VKB-920 R. Cap Haitien, Petite Anse, new with 1 kW relaying 930 kHz. (SDXL via ARC) 4VVE-1560 La Voix de l'Esperance, Port-

au-Prince, now on. (SDXL via ARC)

4VPM-880 R. Independance Nouvelle, Gonaives, now 3 kW.

4VKB-930-R. Cap Haitien, Cap Haitien, now 24h, 5 kW

4VJH-1020 - R. Péton-Ville, now .5 kW. 4VAB-1150-R. Caraibes, Port-au-Prince, now 4.5 kW (r. 1146 kHz) (WRTH via ARC)

4DVN-1080 has been monitored relay-

ing R. Cacique 4VCP-990. (Jim Hall)

amaica - JBC Montego Bay reported destroyed by Hurricane Gilbert, but I possibly monitored it in mid-October. (ARC and pls)

México - XEWA-540, Superestela WA, now Monterrey, not relaying XEW-900. (MadriDX via ARC) XE..-770 La Regiomontana, Monterrey,

new. (NASWA via ARC) (It blows away KOB and WABC here- pls)

XEĒP-1060 - R. Educación, México, now 50/20 kW. (WRTH via ARC)

Nicaragua - According to the Buenos Aires newspaper La Nación, R. Católica, Managua, HTA720-720, has once again been closed by the government as of July, 1988, due to its "...incitement of violence, disorder, lack of respect to the constitutional government." (Sounds like my 6th hour freshman lit class, hi-pls) The shutdown took place a day after violent disturbances in Nandaime. Length of suspension is unknown, but President Daniel Ortega stated, "The government acted firmly, and such measures will continue against those who intend to violate the constitutional order in Nicaragua." (Yep, that's about what I said to the class,

too, hi-pls) The Nicaraguan newspaper *La Prensa* was also closed for 15 days. (Jim Hall)

Panamá - HOH779-1410 - Radio Mensaje, now 5 kW, px 1000-0400. (WRTH via ARC)

Perú - R. L. V. del Selva-770, ex-750. (WRTH via DXA) OCX2K-1240 R. Indoamérica, Trujillo,

Lib., new with 1.5 kW. (WRTH via ARC)

R. San Roma-1200, Juliaca, new, // R.

Cultura, Puno, 1550 kHz.

R. Constelación-1400, Puno, new

R. San Francisco-1440, Yunguno, Puno, new. (UOP via ADXL)

OCX2G-1520, R. Santiago, Santiago de Chaco, new, 1.2 kW. (WRTH via DXA)

Uruguay - SODRE - 650 and 1290 inactive. (WRTH via DXA)

Venezuela - La Voz de la Universidad-1500 Caracas, new with 1 kW. (WRTH via DXA)

YVLT-830 R. Sensación, San Antonio de los Altos (Caracas), as of Oct. 8 had not yet moved to 1050 kHz as per Sept. 3 DXWWII report. Monitored in Pittsburgh. Perhaps YVKA-1050 was relaying YVLT-830, or is the move scheduled for '89? (Jim Hall)

International

Clandestine - La Voz de la República Arabe Saharaui Democratica-575/1353 monitored in Spanish. (MadriDX via DXK via ARC)

Clandestine - Voice of Peace-1539 has been using the new Optimod unit since February, which should make the signal more audible. (AUK via MWC via ARC)

International Waters - R. Caroline-558 broadcasts in early July stated that the English-language service would have to be dropped to allow the transmission of a new Dutch-language station. R. Caroline-819 tests were heard here on May 21 with a relay of 558 kHz. Tests in Dutch were heard May 30. (BDXC via ARC) Work is currently under way on R. Caroline's new 100 m steel mast, which was to have been ready early in October, weather permitting. New address announced is Box 146 - Playa de Aro (Oro? -pls) - Gerona- Spain. (AUK via BCXC) Listener reaction to Radio 558 on the continent has been poor, and a relaunch of this Dutch language service is expected when moving from 558 to 819 kHz. (ARC)





Upon moving into our new home I had the opportunity to re-biuld my entire antenna system. The first thing I was concerned about was getting a good Ground. This is most important not only from a safety point of view but also from a listening point of view. A good ground will help by getting rid of static and some noises that pollute the band. I wanted to it right this time so I talked over my situation with two people I know at work that are electrical engineers and Ham radio operators. Both have a strong background in the Telecontrol operations at work. I figured this way I would get the straight goods. They had several recommendations that I would like to share with you:

- Use a ground rod that is ten (10) feet long. Now many of you may think that this is a bit much as many books state you can use one 4 to 6 ffet in length. That may well be true but during dry periods the dampness of the soil may fall below the 4 foot level and the rod will be in dry soil which will diminish its capacity to work. The rod must be in damp soil to work well thus the 10 foot model.

- Place the rod where you can keep it moist. This colud be near a drain pipe or down spout. You can also go the route that I went because of the situation I am in. Putting the ground rod by a down spout was out of the question for me so I biult a pit for the ground rod. I simply dug a hole two (2) feet wide and two (2) feet deep where I wanted to place the rod. I then put in the rod insuring that one (1) foot of it was above ground level. By ground level I don't mean in the hole but one foot above the gound the hole was dug in. I then filled the hole with crushed rock. At this point I must mention that the rock you use should be of the type that will remain loose. Using a rock such as Limestone or other types that break down over time is not recommended. Use a rock such as River rock or some simular hard type that will not pack or break up easily. The reason for this is so that you can water the ground rod during dry periods. If the rock is loose it will allow the water to penetrate down to the ground rod. The same will happen during rain storms.

- When you put in your ground rod you should have to pound it in. With the lovely Manitoba Gumbo clay we have here it took a sledge hammer to put in my ground rod. If the rod goes in easily or you can pull it up a bit after it is in the soil is too sandy or loose for a really good grounding. Now your location may have soil that isn't perfect but try to find a spot that is best. At least with the ten foot rod you have a chance to hit something a bit more solid, than with a 4 or 6 foot model. - Now that the rod is in what type of wire should you use to run from you receiver to the gound rod. I chose to use 10 gauge solid copper wire that was covered. In grounding the receiver 10 gauge will go onto the receiver easily, as heavier gauges such as 8 or 6 are just to big for the ground lug at the back of the radio. I used covered wire so when I fed it from the receiver to the ground rod outside I did not have to worry as much about it coming into contact with anything that would be of a conductive nature. The ground wire mus not touch anything metal on its way to the rod as this will defeat the purpose entirely. The use of covered wire eliminates this problem. Ten gauge is the best all round wire although if you can use a heavier wire go ahead, but don't go lower

than 12 gauge and try for solid copper if you can. - If you are lucky enough to have more than one receiver and don't feel like pounding in several of these 10 foot rods you can use a buss bar. This is a copper bar about one-half inch square. You will need about one to one and a half feet of it. If you are lucky it will come pre-drilled with several holes that you can put screws or bolts into. Mount the bar someplace close to your receivers so as to keep the runs of wire as short and straight as possible. All wire runs to the bar or to the ground rod should be short and straight whenever possible to give you better performance. You can then run one wire from the end of the bar to the rod. You can run other wires to the buss bar and anchor them securely to the bar with screws and/or bolts. Make sure you tighten the bolts or screws down so you get a good solid contact. Loose wires will be of no use to

you when you need them the most.

Wel I hope this is of some help to you. It may sound like a lot of work but it will pay for itself when you start hauling in all of those new stations. Just be carefull with that sledge hammer they hurt if you miss the rod and connect with your foot. Also have somebody hold the rod when you pound it in as it will flap around. Good luck and of course GOOD DX'ING.

5104 N. Lovers Lane Milwaukee, Wisconsin 1414-466-8754 Deadlines: Sat.

Richard C. Evans Apt. 19

William Dulmage, Jr., RR 3, Colborne, Ontario KOK 1SO

Thought it was time I brought everybody up to date on what's happening with me. I left CHUC-AM in Cobourg, Ont. on August 12, and started work at CFMX-FM in Cobourg on August 29. At CHUC, I was mid-day host and music director. At CFMX, I do afternoon news and am involved with copywriting and promotions. It's all very different for me -- a very different operation -- being Canada's only 24 hour a day, commercial, classical music station. CHUC and CFMX were originally sister stations, but were sold to separate owners in 1983. CFMX-1 Mississauga at 96.3 officially signed on October 7th. Because I no longer work at CHUC, I can't sign verifications anymore for that station. I did leave on good terms tho, so if anyone has any problems getting a verie, let me know. CHUC reports should be sent to GM, Don Conway. CHUC should be ready for 8 kw day/l kw nite operation early in the new year. Not too many local AM changes noted here lately besides CFGM's move to 640, and I don't find their signal all that better than on 1320-daytime-big night improvement tho. WBBF-950 in Rochester is now country (ex-oldies) and WQKA-850 Penn Yan is now WYLF. That's about it for now. Take care.

Karl V. Jeter, 2115 Scarbrough Road, Stone Mountain, Georgia 30088 Greetings once again. The saga of 640 kHz in Atlanta continues... now it is reported in the local paper that WGST-920 is entering into an agreement with the owner of WPBD-640 to move WGST to 640. This is said to be related to WCNN-680's eminent return to all-news, and WGST's desire to have a 50 kw signal and better coverage to compete. So, looks like WPBD-640 is an endangered species -- better log and verify 'em while you can! Sat. Oct. 15th marked the first DXpedition of this new season: Chuck Hutton and I went over to eastern Alabama to my great uncle's farm and erected two beverages: 1500' west and 2000'-plus south. Due to our late arrival, and the ensuing rush to throw up some wire, along with the possibility of poor conditions, this was not a memorable effort. I stayed on the western wire most of the time, and heard some decent DX, but I guess when you consider our last visit there a few years ago netted us Australia on 774 kHz, anything else pales in comparion, hil I am convinced that careful planning and erection of a beverage really makes a difference. The western wire was getting out in the intended direction, with a pair of OK stations (KSWO & KLUE) on 1380 kHz heard, an AR (KTCS-1410) and a few others like unneeded KRVN-880, KCLF-1500 and KWEZ-1440. The antenna seemed to get no farther than the TX-OK-AR area. Strangely enough, the highlight of the evening for me was hearing my first "pirate", namely RNI-1620. It was coming in quite well at times during the hour-or-so that I listened; format was all rock music, with the only talk being ID's at :15 and :45. If anyone knos how to verify this, please let me know. I am also an aircheck collector, so if you would like to trade tapes, let me know and I'll send you a listing of what I have. 73's. (Karl, is there any connection between WCNN-680 and Cable News Network in Atlanta?--rce)

Ernest Cooper, 5 Anthony Street, Provincetown, Massachusetts 02657 508-487-9337. The latest news on my Hammarlund HQ-180 is that it has died and, hopefully, gone to Communications Heaven. So now I am in the market for a new major DX receiver, and am turning to the membership for suggestions. I am not one who goes for memory buttons and assorted other "lazy man" shortcuts. I would like to acquire a solid-state set with a non-digital dial, and which is capable of tuning to frequencies adjacent to powerful locals and splattery semi-locals, without being covered up by broad tuning or splatter. I have an SM-2 antenna sitting here waiting for a receiver to "antenn". The GE Superadio is a good puller-inner, but I cannot get into frequencies like, for example, 1020, due to local WBZ-1030 and semi-local beamed this way, WINS-1010. 1040 is also impossible, due to the same WBZ-1030 and the new and temporary WUKQ-1050, which is all-Ss and, of course, NSP. It is operated by the same people who run WSKQ-620, which was supposed to take over 1050 when WFAN displaced WNBC on 660. But the latest is that 1050 will go to WEVD-97.9 FM, which once operated on 1330 and shared time with WPOW (now WNYM) and which opted for full time on FM to sharing time on AM with POW, with this WUKQ job being there only until the WEVD switch is ready to take place, and WSKQ will then take the

FM spot vacated by WEVD. My guess is that WSKQ will remain on 620 and will move the WUKQ calls to 97.9 - we'll see. But WSKQ0620 and WUKQ-1050, although owned by the same outfit, are not simulcasting, but both are 100% SS. Oh for the good old days! A strong Aurora has gripped the AM band for several days and Central Americans and Islands stations, and Colombians and Venezuelans, are all over the dial. But sending DX reports to these places now is a waste of time and money, for they don't like Uncle Sam any more down that way - I wonder why, hi. On Friday 10/14, at 0313 EDT I heard, on 1490, a female announcer say "It's 4:13", and she then went into talk about Christmas Shopping, as the station faded back down into the hubbub - I wonder who this might have been? I see WYNZ-970 ME and WPTR-1540 are now carrying Larry King: WQMI-1380 NH is running AN with the usual "Solid Gold" pap, //-FM-95.3. WOKO-1460-NY has changed calls to WGNA, is now c/w and //-WGNA-FM-107.7, probably accounting for WPTR's switching to King. Either they or WBET-1460-MA carries "Music Country Network" AN & the other different c/w music - I haven't figured out who's which yet, hi. Forward - March!

Tames Hall, 240 Byron Road, Pittsburgh, Pennsylvania 1523

I did finally receive a verie from, well, an Iowan on 1580 (see my EDXF Dec. 26, 1987 DXM) — an interesting v/l postmarked 14 Oct. in Rock Island, IL from Dale Knudsen-CE at KWPC-860/KFMH-99.7 "99 Plus". Also received were b/s and he also returned my rp (then 22-cents). The report was send Nov. 25, 1987 when I kept hearing heavy metal and "KFMH 99-Plus" IDs on 1580 when KTSS was listed as off due to \$\$ failure. In my 12/26 forum, my conclusions about KWPC/KFMH-Muscatine buying the rumored to be ex 1580 KTSS were nearly correct — the reasons were financial. Seems KTSS was kept alive by KWPC/KFMH — the v/l reads: "...verifies reception of KFMH-99.7 mHz on KTSS-1580 Radio for Nov. 25, 1987 at 0230. KTSS is based in Davenport, IS & was in the beginning of a bankruptcy. In order to keep his license the owner needed to keep the stn on the air. We (KFMH/KWPC) paid the electric bills and simulcasted our signal to reach the Quad Cities areas that were receiving a poor signal". Mr. Knudsen is the new CE for KWPC/KFMH, and the v/s for the two (I don't know about KTSS or if they're even still on); the report, assuming he handled 1580's equipment then, was addressed to my '85 v/s for KWPC-860 (now former CE, David Metz) since his FM simul. was hrd on 1580. But Mr. Knudsen informs us that "Dave now works for a wine company in New York and California."



ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

NEWS

IMPORTANT NOTICE FROM ANARCON '88

I have been asked by other members of the ANARCON '88 Committee to withdraw my offer of tapes from ANARCON '88. They are for sale from ANARCON '88 Headquarters and my offer is in conflict with the offer from ANARCON '88 Headquarters. If you wish tapes of the 1988 ANARC Convention send \$5.00 per tape (\$7.50 U.S.) in Canada to ASWLC, 16182 Ballad Lane, Huntington Beach CA USA 92649. To those who have already sent me requests I will keep my promise. No more please!

LATEST RELEASE FROM ANARC HQ'S

We are pleased to announce that effective immediately, Tom McElvy is replacing Mike Harris as ANARC's Publicity Coordinator. Tom is an active member of the North American Shortwave Club (NASWA) and the Old Dominion DX'ers (ODDX). He successfully organized the recent East Coast SWL Conference in Virginia Beach VA. Tom Works for a radio common carrier and is co-owner of a computer store in Virginia Beach. His energy and dedication are welcom assets, and we look forward to working with him in his period of renewal for ANARC.

The job of Publicity Coordinator is one of the most important and visible ANARC staff functions. Doing the job well requires the effort and ideas of more than one person. We hope everyone who bemoans the lack of publicity for radio clubs, and radio recreations generally, will step forward to help Tom however they can. His address and phone number are: Post Office Box 9645, Norfolk VA USA 23505 - PHONE: (804 497-5151.

NEW ANARC CLUB LIST NOW AVAILABLE

A new list of ANARC Clubs is now available from ANARC Publications, Post Office Box 462, Northfield MN USA 55057. The cost is a business size envelope self addressed with sufficient postage to mail to your country. An electronic edition can also be found on the ANARC BBS (309) 688-0604, Compuserve's HamNet & BPForum, and many other BBS's.

THE ECPA HAS STRUCK WHERE IT HURTS

THIS LETTER TO THE EDITOR APPEARED IN THE OCTOBER 1988 ISSUE OF THE ANARC NEWSLETTER:

I have been radio listening on and off for 20 years now and have recently become concerned about increasing restrictions on our listening freedoms... I was out of SWLing and scanning, having sold all my equipment, and did not kow (sic) about the ECPA until I read about it in Monitoring Times and Popular Communications. Had I known sooner, I would have made effort to defeat it. Our freedoms are slowly being legislated away, bill by bill, from one session of Congress to another because people like myself are letting it happen....

The above letter is an example of what this editor has been saying for many years both in and out of this column. Take a few minutes from your DX'ing and write to your congressman and senator now before it gets to be too late, if it hasn't already. With Glasnost in the Soviet Union and Anti-Glasnost in the United States it will not be long before we are the totalitarian government and the Soviet Union is the free democratic government. We are slowly losing our freedoms. Speak out now while you still can! This is one DX'er who will not shut up and put up with what is going on in this country! I urge every DX'er to do the same thing!

WANT TO SUBSCRIBE TO THE ANARC NEWSLETTER?

Individuals cannot be members of ANARC. Only DX Clubs can belong to ANARC. However, individuals can subscribe to the ANARC Newsletter. The cost is US\$8.00 per year for first class delivery in the U.S.; \$US8.50 per year for first class delivery to Canada & Mexico; US\$13.00 to the rest of the world via air mail (I think, ANARC Newsletter article did'nt say.— Editor!). Send your check or money order in US funds to: ANARC NEWSLETTER, Post Office Box 24, Cambridge WI USA 53523.

ANARC COMPUTER BBS BACK ON LINE

The new and revised ANARC COMPUTER BBS is back on line. The phone number is: (309) 688-0604 as mentioned above. Your editor may soon become a co-sysop of this BBS. I have written to IRCA's President, Karl Zuk about this and more will be known shortly. Watch these same pages for more late breaking news.

HOW CAN ANARC HELP IRCA'ERS?

I still need IRCA'ers to tell me what they want from ANARC and how ANARC can help IRCA'ers. Stop complaining that ANARC doesn't do anything for IRCA'ers and tell ANARC what you want done. You can write to me at: Post Office Box 26762, San Diego CA USA 92126. If you want a personal reply include a SASE.

A DXer's TECHNICAL GUIDE

Now in its 2nd edition, this 120-page book answers questions on how receivers work, how to make them work better, what audio filters and loop antennas will do for you, how to build a beverage and phasing unit, and much more. Only \$5.50 for members, \$6.50 for nonmembers (\$2.00 extra for overseas airmail). Write IRCA, P.O. Box 21074, Seattle, WA 98111.

THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (510 - 1630 kHz). "DX Monitor", the official publication tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a members' loggings, articles on radio stations, receiver reviews, technical articles, DX September and April, and monthly from May to August. "DX Monitor" contains of the IRCA, is published 34 times a year, weekly from October to March, twice in member of ANARC, the Association of North American Radio Clubs.

CLUB ADDRESSES AND OFFICERS

Patrick Martin, Bruce Portzer, Rich Toebe. Editor-in-Chief: Bruce Portzer, 6546 19th Ave. N.E., Seattle, WA 98115. Secretary-Treasurer: John Clemmer, P.O. Box 482, E. Moline, II. 61244.
Board of Directors: Emest R. Cooper, Richard Evans, Ric Heald, John C. Johnson, President: Karl Zuk, 154 Old Post Road North, Croton, NY 10520-1932.

MEMBERSHIP DUES

Middle East), \$37 (rest of the world). Trial Membership - \$7.50 (10 issues of "DX Monitor" and a New Member Packet, U.S./Canadh/Mexico only). Make checks and money orders payable to IRCA and send all dues to: IRCA, P.O. Box 482, E. Moline, IL 61244. Persons living outside the U.S., please use International Money Order in U.S. funds. Sample copies of "DX Monitor" are 50 cents or three International Reply Coupons each and are avilable from: IRCA, P.O. Box 21074, Seattle, WA 98111. (two issues every two weeks). Overseas Surface - \$21. Overseas Airmail - \$30 U.S. - \$20.00 per year. Canada/Mexico - \$26 (one issue mailed every week) or \$20 (Central America, Caribbean, Colombia and Venezuela), \$33 (Europe, North Africa,

THE IRCA GOODIE FACTORY

Reprints of more than 400 articles from past issues of "DX Monitor" are available from the IRCA Goodie Factory. Also available is IRCA stationery and the very popular the IRCA publications: "IRCA Almanac", "A DXers Technical Guide", and the "IRCA Foreign Logs". For a complete list of available publications and their costs, send a self-addressed, stamped envelope to: IRCA Goodie Factory, P.O. Box 21074, Seattle,

publishing staff, editors or officers. those of the original contributors and do not necessarily reflect those of the IRCA, its reproduce non-copywrited material appearing in "DX Monitor" provided credit is given to the IRCA and the original contributor. Opinions expressed in "DX Monitor" are Unless otherwise noted, permission is granted to publish, broadcast, or otherwise

> Seattle WA 98111 P.O. Box 21074 International Radio Club of America

FIRST CLASS MAIL US POSTAGE Seattle WA PAID

Permit No. 601

TRST CLASS