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Publisher's Note

A BIG thank you to Eric Bueneman for keeping the DX Monitor coming to our doorstep these past couple of years! I also wish to publicly thank Ralph Sanserino for the many years of work he has put in, as previous publisher and as Secretary-Treasurer, and to Phil Bytheway for his efforts as Editor in Chief, and in starting and maintaining the Soft DX Monitor. With this issue, the Davis Publishing Committee takes over publishing of the print version. If you love the bulletin, tell your friends. If you don't, tell me!

TVA/RHA Election Results

From Reid Wheeler, Election Committee Chairman:

For those of you who did not attend the IRCA Annual Convention, here are the election results from the 2000/2001 Ted Vasilopoulos Award and Ric Heald Award voting:

TVA: Ralph Sanserino RHA: Lynn Hollerman

DX Tests are coming

Lynn Hollerman is preparing another season of DX tests; see "Calling all BCB DXers".

PLEASE NOTE: Even if you don't hear a test, be sure and drop a card, letter, or e-mail to the station personnel, thanking them for going to the trouble to run a test!

Saturday, September 29, 2001- WJNT-1180, Jackson, MS will conduct a DX test from 12:00 am to 1:00 am CDT. The test will consist of regular programming (talk programming - Rhona at Night (Talk America)) and Morse code IDs. WJNT will be operating with 50 kW non-directional. Reception reports (with return postage) may be sent to:

Stan Carter
Chief Engineer
WJNT-AM
P.O. Box 1248
Jackson, MS 39215-1248

Calling all BCB DXers...

It's that time of year again! DX season is fast approaching, and DX tests are being planned. What is a DX test, you ask? From the IRCA web page (courtesy of JD Stephens):

"A DX test is a special transmission aired by a station for the specific purpose of giving DXers a chance to log their station - something that in many cases may be very difficult or impossible to do under normal circumstances.

IN THIS ISSUE:

TVA/RHA Awards	1
Presidential MEMO	2
Broadcasting Information.....	3
Western DX Roundup.....	5
'Give Me Five' Contest	9
Central DX Roundup	10
Eastern DX Roundup.....	11
DX World Wide -West.....	13
DX World Wide -East.....	14
Verification Signers	19
Technical Column	19
Sports Network	22
Western DX Forum.....	27
Eastern DX Forum.....	28
2001 E-Mail Directory	29
IRCA Bookstore List	31
Club Information - FAQs.....	32

DX tests must be aired during what the FCC calls "experimental hours", which is between midnight and 6 am local time at the station. Also, most DX tests are scheduled for Monday mornings, because traditionally Monday mornings have been a time for many stations to do routine maintenance on their transmitters. This is good for the station, because many of them will work in a DX test during their normal testing/maintenance. This is good for the DXer, because the band is less congested at this time – thus increasing in many instances the DXers' chances of hearing a station.

DX tests programs are as varied as the stations themselves. Most will include Morse code identifications and test tones (two things that really "cut through" the interference better than voice or music), and many will include some special music which will really "stick out" as something out of the ordinary. Examples of this are: March music, polkas, TV & movie themes, or Christmas music played at an odd time of the year (such as in October).

There are some DX tests which are scheduled on Saturday or Sunday mornings, and, at the request of the stations, on other mornings. But, most are usually scheduled for Monday, Saturday or Sunday mornings."

If you'd like to receive a weekly summary of DX tests, sponsored by IRCA (International Radio Club of America) and NRC (National Radio Club), please let me know, via e-mail, at lynnhollerman@netzero.net, or ircamember@geocities.com. For starters, I'll plan on using the list of e-mail addresses from last DX season to send out the Summary. If you got the weekly summary last year and your address hasn't changed, rest assured that I'll be sending it to you again this season! If, however, you want to be taken off the list or your address has been changed, please be sure to contact me! 73, Lynn

Presidential MEMO

The following proposals were placed before the IRCA for their consideration.

19.2.8. Award a "lifetime" membership in IRCA to Ralph Sanserino, for his many devoted years of service to the IRCA. Submitted by Patrick Martin.

PT	JJ	RW	NHP	LH	PM	NJ
Y	Y	Y	Y	Y	Y	Y

19.2.9. After each election and vote placed before the plebiscite of the club, all election and vote count tallies shall be announced on the IRCA mail list, the DX Monitor and the Soft DX Monitor as soon as possible. Those running in the election shall be notified as soon as possible by e-mail, US mail or telephone after the vote tally is tabulated.
Very Respectfully Submitted, Kevin Redding

PT	JJ	RW	NHP	LH	PM	NJ
N	N	N	N	Y	N	N

19.2.10 After each election and vote placed before the membership of the club, all election and vote count tallies for each member running in the election shall be announced in the next DX Monitor and the Soft DX Monitor after completion of the vote. Those running in the election shall be notified as soon as practical by e-mail, US mail or telephone.
Submitted by Kevin Redding.

PT	JJ	RW	NHP	LH	PM	NJ
N	Y	Y	Y	Y	Y	Y

PT-PETE TAYLOR	JJ-JOHN JOHNSON	RW-ROBERT WIEN	NHP-NICK HALL PATCH
LH-LYNN HOLLERMAN	PM-PAT MARTIN		NJ-NANCY JOHNSON

19.2.9 WAS DEFEATED. The BOD felt that vote totals should not be published on the mail list. Kevin reworded his proposal to exclude the mail list and the proposal was passed. Reid will now publish complete vote totals following all elections.

BROADCASTING INFORMATION

Editor: Robert Wien – 1309 Dentwood Dr. – San Jose, CA 95118

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Mont2cal@prodigy.net (I have just added this one)

Rjwmail@webtv.net

Wienrobert@hotmail.com

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FORMAT CHANGES:

AL	Russellville	WKAX-1500	was s. gospel, adds SS (noon-sundown)
CA	Bakersfield	KDFO-800	was KHIS, rel. teaching, now Fox sports
CA	Bakersfield	KZTK-970	was KZPM, CHR//KJIS-FM, now talk
CA	Ceres	KLOC-920	was smooth jazz//KRVR, now WW1 stds//KVIN-1390
CO	Durango	KDGO-1240	was oldies, now talk
FL	Dunedin	WLVU-1470	was con. Xtian, now business nx
FL	Plant City	WTWD-910	was silent, now rel. teaching//WTBN
FL	Pinellas Park	WTBN-570	was bus. Nx, now rel. teaching
LA	Natchitoches	KNOC-1450	was talk, AS, rptd. Silent
MD	Lexington Park	WPTX-1690	was silent, now Sporting News sports
NY	Liberty	WVOS-1240	was Jones AS, now Jones country
NY	White Plains	WFAS-1230	was nx/talk, now AS
NC	Winston-Salem	WAAS-980	was urban cont., black gospel, rptd. Silent (mgmt. and staff have been locked out of studios in a rent dispute).
OH	Hillsboro	WSRW-1590	was s. gospel, now Jones AS
OH	Ironton	WIRO-1230	was cont. Xtian//WZZW, now talk//WVHU
OH	Warren	WFHM-1440	was silent now rel. teaching//WHKC
OH	Warren	WANR-1570	was talk, s. gospel, now black gospel
OR	Milwaukie	KGUY-1010	was hot talk, sports, now Jones classic country
PA	Greenville	WGRP-940	was country, now positive country
PA	Lehighton	WYNS-1160	was country, now Jones classic country
SC	Bishopville	WAGS-1380	was country, s. gospel, now country
SC	Clinton	WPCC-1410	was sports, talk, adds ESPN sports
TN	Rockwood	WOFB-580	was s. gospel, oldies//WUFX, now s. gospel//WUFX
TX	Waco	KWTX-1230	was R. Disney, now talk
VA	Richmond	WVNZ-1320	is new, Jones AS
VA	Richmond	WVBB-1380	was AS, rptd. Silent (plans to return shortly w/rel. teaching format)
WI	West Bend	WBKV-1470	was talk, now Jones classic country

NEW STATION APPLICATIONS:

FL	St. Cloud	1600 kHz	No facilities given
ND	Fargo	740 kHz	No facilities given

CONSTRUCTION PERMIT ACTIVITY:

CA	San Luis Obispo	KGLW-1340	dec. to 790-N
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FACILITY AND PARAMETER APPLICATIONS:

NY	Niagara Falls	WHLN-1270	inc. to 1000-N, DA-2
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CALL LETTER CHANGES:

AZ	Phoenix	KTKP-1280	becomes KXEG
AZ	Tolleson	KXEG-1010	becomes KXEM
CA	Bakersfield	KHIS-800	becomes KDFO "Fox Sports Radio 800"
CA	Bakersfield	KZPM-970	becomes KZTK "News-talk 970"
OH	Cleveland	WHKK-1420	becomes WCLV
OH	Cleveland	WKNR-1220	becomes WHKC

OH Cleveland	WRMR-850	becomes WKNR
OH Warren	WHKW-1440	becomes WFHM
VA Richmond	WTVR-1380	becomes WVBB

INDIVIDUAL CONTRIBUTIONS:

Note on credits: all are self-contributed or through IRCA E-groups.

Dennis Gibson of Santa Barbara, CA. Sends along the following:

CA Arroyo Grande KLFF-890 is new, to be rel. teaching (August). I'll be on the lookout for this. They will be diplexing off KKOM-1280 and those towers will be electrically very short at 890. That part of the band has virtually nothing on it during the day (a very weak KKMC-880 and KALI-900). I was under the impression that this CP was never going to be built.

Salem Completes Acquisition Of Three Radio Properties. Salem Corporation announced that it has completed several pending acquisitions, including its acquisition of WBTK-AM (formally WVBB-AM) in Richmond, VA, and KSF8-AM (formally KBZS-AM) in Palo Alto, CA. In addition, Salem completed its acquisition of WFHM-FM (formerly WCLV-FM) in Cleveland, OH, from Radio Seaway; the sale of one of its Cleveland AM radio stations to Radio Seaway; and the sale of its Canton, OH, FM radio station to Clear Channel.

Jim Hilliker of Pacific Grove, CA sends along the following:

New Station. Earlier this week, a reference was made to the new station being built at 1500 AM and the adoption of the call letters KIEV. Steve Thompson emailed to say that Royce Broadcasting has a new automated 1980s oldies station in Mecca (near Indio/Palm Desert) at 97.7. "This station has the KRCK call letters [K-Rock] that were originally planned for 1500. The AM station does indeed now have the KIEV call letters, but it has moved to the end of the dial. With a planned news/talk format, KIEV is currently doing signal tests at 1690, using 1,000 watts from a previously unused microwave tower in Montebello. Eventually KIEV will have four new towers and be 50,000 watts," emailed Steve. Does this mean they'll drop plans for 1500 and broadcast on 1690? I'm confused!!

Albert Lehr of Livermore, CA sends along the following:

KDIA-1640 Vallejo, CA noted today 7/28 with KDYA-1190's Gospel music format instead of Catholic programming.

Pat Martin of Seaside, OR sends along the following:

I just received an e mail from Clear Channel in Salisbury regarding the X Band CP-1670. They have let it expire, so that one won't be coming on the air. I made a lot of phone calls. Here is what I found out about the X Banders that have not come on as yet.

1620-WJRZ-NJ- Just an application, no CP

1620-KNNT-NM- has been sold no plans, not certain where the old CP even went.

1620-KHRT-ND- GM said they were still thinking about it, but have no plans now.

1620-WAZG-SC- has been sold, so no plans, again not certain where the old CP went.

1630-KOME-CA- Per a follow up phone call to engineering, the 1630 freq. probably will not be used as the current 790 freq covers better. So here is another one we can scratch.

1630-KNAX-TX- station no sale, but no takers (970), so who knows according to CE. The call letter change was a whim, as it doesn't mean anything.

1640-WVMI-MS. This is an interesting one. According to the CE, there was just an application, no CP as far as he could find. It may have been a whim, as they have trouble keeping the 570-30 year old TX on the air along with the directional pattern. So I wouldn't hold my breath on this.

1640-WLHJ-NC, phone number no good, will have to try a new number.

1640-KMKZ-OK, no one knew anything and the GM & CE were out.

1650-WAZJ-GA, no plans at this time.

1650-KBIV-TX, phone number no good, will have to try a new number.

1660-WBHE-NC, no one knew anything, will have to call back CE.

1670-KSUL-CA, Will come on it time, but station is for sale I was told.

***1680-KRJO-LA, should be on the air soon according to secretary. Look for it!*

1680-KAZJ-WA, will be on in the future, but no date.

1690-WSWK-GA, no one knew, the CE was out.

**1690-WHITE-IL, this one will be on by August 2001 with Sports Talk. The GM has the tx
10/1 KW set up and just needs some parts. Look for it!

1700-WAYU-NH, this one is not planned. Too bad I was hoping for NH.

1700-KCHT-OR, still planned, no date.

1700-WEZI-VA, also this one is not planned either.

So the only two I can find that should be one very soon is IL-1690 & LA-1680.

KGUY-1010-OR Milwaukee, has changed format to C&W from talk, runs AP Net news on the air. Apparently KGUY still runs the block of Ethnic programming on the weekends, as they went from the C&W to East Indian stuff after 2 PM.

I was just listening to Art Bell welcome three new stations to the fold. They are:

KWTX-1230-Waco, TX (I have them listed as Disney, so a format change.)

KWFS-1290-Wichita Falls TX (I have them listed as C&W, another format change)

WCCF-1580-Punta Gorda, FL. (I do have them listed as NX/TLK so the format fits.)

Dale Park of Honolulu, HI. Sends along the following:

570 KQNG-HI Lihu'e * Is talk, news, CHR when // FM in AM drive; drops "Online Tonight with David Lawrence" weekdays, adds Mitch Albom, "Tom Martino The Troubleshooter" weekdays

650 KHNR-HI Honolulu * Was news weekdays, news-talk weekends; now news-talk every day; adds "Focus On The Family"; also airs programs from the "When Radio Was" people every night at 10

720 KUAI-HI 'Ele'ele * Is full service AC/Hawaiian/C&W

760 KGU-HI Honolulu * Is values-oriented talk (now owned by Salem, as are KHNR and KAIM-870); drops WOR Network, adds more Salem RN fare (SRN news, Hugh Hewitt; already has Dennis Prager and Mike Gallagher), Cop Net, Dave Ramsey, KF's "Handel On The Law"

850 KHLO-HI Hilo * Is Jones Media Network oldies; drops AM drive simulcast of KAPA-FM contemporary Hawaiian mx in favor of own content (oldies/Hawaiian/C&W)

1080 KWAI-HI Honolulu * Is talk; adds "Daybreak USA," "Best of Tom Leykis," Roy Masters

1110 KAOL-HI Honolulu * Is talk, news; drops "Online Tonight with David Lawrence" weekdays, adds Mitch Albom, "Tom Martino The Troubleshooter" weekdays

1170 KBNZ-HI Honolulu * Has still not signed on despite reports in M Street and NRC; planned business format now usurped by Clear Channel's KHBZ-990

1380 KIPO-HI Pearl City/Honolulu * Is still news-talk days, jazz evenings, BBC World Service overnights, talk and music weekends; plan to scrap all music in favor of strictly news-talk still hasn't been implemented

1420 KCCN-HI Honolulu * Is talk, sports, Hawaiian affairs; "traditional-style" Hawaiian music now limited to Sat. and Sun mornings for three hours each

1500 KUMU-HI Honolulu * Was WW1 adult standards; is now automated MOR "Original Hits Koo-moo, AM 15 Hundred", soft AC // FM overnights and AM drive

1540 KREA-HI Honolulu * Is full-service Korean, sometimes // KFOX-1650 Torrance/L.A.; adds Korean Christian programming overnights

1570 KUAU-HI Haiku * Was Christian teaching/gospel mx; silent since 12/2000

WESTERN DX ROUNDUP

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WDXR DEADLINES: Tues. 9/4 & Fri. 9/21. Please use Eastern Time.

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OF SPECIAL INTEREST

- 940 KNNZ UT, Cedar City 7/30 0819 coming over KWRU with ad for State Farm Insurance, ID, into C&W. Call ex-KBRE for me. (RW-CA)
- *****
- 540 KSRK CA, Carmel Valley 8/10 2300 with nice call ID atop KVIP & horrendous KSFO splatter. Talk format. (DKK-CA)
- 560 KLZ CO, Denver 8/7 0225 these guys were playing some very unusual and unheard 50's music. It was pretty cool to hear something not played a lot. In stereo. (KR-AZ)
- 590 KSZZ CA, San Bernardino 8/7 0234 playing banda and using slogan Radio Tricolor and La Mexicanissima. (KR-AZ)
- 670 KLTT CO, Commerce City this station has been a regular under KBOI nightly of late. I wonder if they are operating at full power. 7/30 0158:30 under/over KBOI with "KLTT" ID mention. This is a regular in Rancho Mirage, CA. (PM-OR)
- ?WSCR? IL, Chicago presume the sports talk station buried under KBOI/KLTT at 0157 7/30 with "The Score" ID, then lost under KBOI loud spot. (PM-OR)
- 700 WLW OH, Cincinnati 8/7 0348 top with talk show & ID. (DKK-CA)
- 710 KDIS CA, Los Angeles 8/7 0241 Radio Disney with a rare evening showing and in stereo. Was way over KNUS tonight. (KR-AZ)
- 720 WGN IL, Chicago 8/7 0245 nice to hear them for the first time this year. They had a show on about movies with two men and one woman. They talked at length about the career of the actor Bill Murray. (KR-AZ)
- 750 KAMA TX, El Paso 8/4 0350 with ID in Spanish (kah ah emmay ah) and "Requerdos" slogan. The music was unusual and from the 50s and 60's mostly. At first I thought it might be something other than the run of the mill Northern Mexico station but got the ID. These guys were REALLY rippin into Arizona last night with a hug signal. It had KOAL blown off the air. (KR-AZ)
- 760 WJR MI, Detroit 8/7 0350 battling KFMB with ads, ID. (DKK-CA)
- 890 KBBI AK, Homer 7/27 0458 good with blues and ID "This is KBBI, Homer, serving the Southern Kenai Peninsula." (PM-OR)
- 920 KLOC CA, Ceres 8/14 0315-0400 // KVIN-1390 with NOS, mixing with KJHM and horrible KNEW-910 slop. (DKK-CA)
- KJHM NV, Reno 8/14 0315-0400 mixing with KLOC. Catholic programming. Usual KSHO not noted. (DKK-CA)
- 940 KWBY OR, Woodburn 8/13 0215-0300 noted under KWRU with Spanish music. Rose up and atop at 0259 with nice call ID in English. Not expecting this one. Old call heard in '68 on DX test. (DKK-CA)

- 950 KKFN CO, Denver 8/2 0745 with sportstalk Mike Golic announcer talking about the death of Corey Stringer of the Minnesota Vikings. (KR-AZ)
- 970 KBUL MT, Billings 8/8 0000 heard quite well on top with the end of "Mustang Baseball" with a huge list of sponsors and ID "Here on 970 AM KBUL Billings, your home for Mustang baseball." Into C&W music. This used to be rare, but I have heard it twice lately around LSS. (PM-OR)
- 990 KTMS CA, Santa Barbara finally made it with talk by man and woman and ID as "New Talk 990, KCBQ" at 0800 on 8/10. As always, QRM from KATD and XECL. No CBW, though. New. (LG-MT)
- KJOX WA, Selah (spur) had a distorted but strong signal here at 0800 on 722 with ID as "Sportsradio AM 980, K-Jox." Also in at 0754 on 7/25, but not heard since. Nominal frequency is 980. (LG-MT)
- 1000 KOMO WA, Seattle 8/2 0800 very weak and in a tight null of R. Mil with top of the hour ID and ABC news. Gave ad of www.komoradio.com at top of the hour. (KR-AZ)
- 1020 KINF NM, Roswell 8/2 0804 STRONG with news than an ID and into "America in the Morning" at 0806. They have been noted playing standards late at night and weekends of late. (KW-CA)
- 1030 KLLU OR, Reedsport 8/7 2310 atop with syndicated C&W. Strong until 2315 when they went poof. (DKK-CA)
- 1040 KLUV OR, Tigard 7/20 0809 with ID after Christian songs. Time check. Even with CKST at the time. (DKK-CA)
- 1110 KBND OR, Bend was very weak at 0800 on 7/30 with ID "Newstalk 1110, KBND, Bend." I rarely hear it with much of a signal. I guess it protects KFAB. (LG-MT)
- 1120 KMOX MO, St. Louis haven't heard this in a while and especially not this clear. Heard with soft jazz and adult standards, ID's as "Newstalk 1120, KMOX" and "The Voice of St. Louis." The stations sounds much like it did 30 years ago. Not needed but nice to hear. (PM-OR)
- 1150 KKNW WA, Seattle 8/7 2335-2400 in/out with KXTA. CNN Headline News 2337 "Newschannel 11-50" slogan. Another slogan ID at 2358 & top of the hour ID 2400 & time check. Gone after 2400, a bit late in their cut/switch eh? (DKK-CA)
- 1170 KCBQ CA, San Diego was atop the QRM (mainly KVOO) with clear ID as "San Diego's 1170, KCBQ" at 2300 7/26. New. (LG-MT)
- KPUG WA, Bellingham strong with local ad at 2357 7/29. Heavy QRM from KVOO. (LG-MT)
- (CKGY) AB, Red Deer first noted silent at 0800 on 7/24. (LG-MT)
- 1190 WOWO IN, Fort Wayne 7/30 under KEX with "1190 WO-WO" ID's at 0206. They sounded like 50kw tonight. (PM-OR)
- 1220 KSFJ CA, Palo Alto 7/23 0950-1000 usual xint signal with ID "More than talk, 1220 AM," SRN news, ad for sermonsearch.com, Trinity property management, ID on hour "More than talk, 1220 AM, KSFJ, Palo Alto-Oakland." Ex-KBZS. (RW-CA)
- KDDR ND, Oakes ended ESPN program at 2400 on 7/29 and ID'd. Weak signal. (LG-MT)
- 1230 KGEO CA, Bakersfield 8/14 0306:30 atop with ID. (DKK-CA)
- KPRL CA, Paso Robles 8/13 2333 with ID during talk show Lots of stations going up/down tonight. (DKK-CA)
- KPLY NV, Reno 8/13 2355 briefly atop with ID, sports. (DKK-CA)
- KQIK OR, Lakeview 8/14 0300 up for top of hour ID thru hash. (DKK-CA)
- 1240 KJOP CA, Lemoore 8/13 0100 ID after Catholic program. (DKK-CA)
- KSUE CA, Susanville 8/13 0100 atop with ID. (DKK-CA)
- KELK NV, Elko 7/20 0826 with ID above QRM briefly. (DKK-CA)

- 1270 KDJJ AZ, Holbrook 8/2 0815 ESPN Radio with more sports news about the death of Corey Stringer of the Vikings. (KR-AZ)
- 1290 KUMA OR, Pendleton 7/21 2311 ID after NOS song. Over all. (DKK-CA)
- 1340 KATA CA, Arcata 8/12 2300 ID thru hash. ESPN Radio. (DKK-CA)
- KCDL CA, Fresno 8/11 0203 atop with ads/ID. Sports. (DKK-CA)
- KAVC CA, Mojave 8/12 2300 ID same time as KATA. Christian programming. (DKK-CA)
- 1450 KVML CA, Sonora 8/1 0307 with local ID, then back to ESPN Radio. Caught in KEST null. (DKK-CA)
- KFLS OR, Klamath Falls 8/7 2300 with ID under KEST. (DKK-CA)
- 1460 KUTI WA, Yakima 8/7 2255-2305 with baseball game Yakima Bears vs Vancouver Canadians. Nice call ID at 2305. (DKK-CA)
- 1630 WTEL GA, Augusta 7/29 good on top with "Newstalk 1630, WTEL Augusta" at 0306. Some KCJJ QRM. (PM-OR)
- 1670 WTDY WI, Madison 7/29 0405 good on top of KNRO with "WTDY Madison" mention. (PM-OR)
- 1680 WTIR FL, Winter Garden while looking for the new KJRO Monroe, LA that is supposed to be on anytime, I noticed WTIR was on top of KAVT with weather for Orlando and area at 0506 8/10. Not bad at times either. Conditions to the east are terrible tonight. (PM-OR)
- WTTM NJ, Princeton 7/29 good on top with WSPN sports "The Team" ID's at 0455. No sign of WJNZ and KAVT weak as usual off the eastern Beverage. (PM-OR)

UNID

- 1010 7/30 0740 unID loud with ESPN Sportsradio, Dick Vitale talking. Maybe KSIR, think I heard a KSIR ID later, they really get out! (RW-CA)
- 1240 8/11 0207 surfaced with wrap-up of Seattle Mariners White Sox game on Mariners net. Would have been nice catch but soon gone. KGY-KXLE-KCVL on the net. (DKK-CA)
- 1340 8/12 2240 surfaced with Anaheim Angels baseball game. In/out for a few minutes then down in murk. (DKK-CA)
- 1700 8/4 0800 possible TIS/HAR with mention of roads repeated over & over. Doesn't sound like Burbank Airport TIS/HAR. Too weak to ID. May be new TIS/HAR at California and Mexico border. (GJ-CA)

It's August and time for the new volume. Reporters to WDXR Volume 38 (including total number of tips & number of issues reported):

1. Pat Martin	232/28	15. Curtis McMenamin	17/5
2. Don Kaskey	185	16. John Wilkins	16/2
3. Larry Godwin	174/22	17. Dan Sys	15/3
4. Robert Wien	155/28	18. Frank Aden	12/6
5. Pete Taylor	146/16	19. Bruce Portzer	11/3
6. Kevin Redding	144/31	20. Gary Larson	7/4
7. Rich Toebe	120/12	21. Phil Bytheway	6/3
8. Glen Hansen	115/15	22. John C. Johnson	4/1
9. Gary Jackson	61/27	Nancy Johnson	4/1
10. Art Blair	60/17	24. Bob Pietsch	3/3
11. Nigel Pimblett	49/7	Dennis Gibson	3/2
12. Chris Knight	36/5	26. Nick Hall-Patch	2/2
13. Mike Stonebridge	30/6	27. Fred Eatock	1/1
14. Mike Sanburn	29/7		

A special thanks to all the WDXR reporters listed above!

2001-2002 IRCA 'Give Me Five' DX CONTEST RULES

This year's contest will be a combination domestic and foreign contest. The goal will be to hear five stations from each U.S. state, Canadian province, Mexican state, and each foreign country. The U.S., Canada, and Mexico will not be considered a foreign country for this contest, but will be considered domestics.

Each domestic station heard will be worth one point. Each foreign station heard will be worth one point. The combined total will determine the contestants rank in the standings. The constant with the most total points at the end of the contest will be determined the winner. There will be one prize, a \$5.00 IRCA Bookstore credit.

The contest will be open to all IRCA members in good standing. Entrants will be disqualified if they cease to be members of the club. The contest will run from 0001 September 1, 2001 through 2359 May 31, 2002. You may join the contest at anytime during the year.

All loggings must be made within 25 miles of your main DX location. Normally, this is your home, for students this might be your college dorm. If a person moves during the contest they may start over at the new location.

The contest manager will have the final word on all station and interpretation of all rules, including disqualification of a station for scoring or a member from the contest.

Your contest report of stations heard in any particular month must be postmarked by the 5th day of the following month. For example, a station heard on October 12th must be submitted by November 5th to be eligible. Failure to do this will disqualify the item in question for points. Contest entries must not be sent along with WDXR DX tips as they easily become lost when filed away in the WDXR file.

Standings will be updated on the 15th of each month and results published in the next available bulletin subject to normal deadline delays. The final standings will be tabulated on June 15, 2002 and will appear in the July bulletin, subject to space in that bulletin.

The contest manager may join the contest, but will be ineligible for the prize. There is no entry fee for the contest.

Stations must be in the normal 530-1710 kHz band. TIS and utility stations are not eligible for contest purposes. Loggings may be first time heard, or relogs of stations heard before. If a station changes call letters it may be relogged and be counted. To count a U.S. station, you must hear the actual call letters. To count a Canadian, Mexican, or foreign station, you must hear the actual call letters or hear a recognized slogan plus location.

Contest reports must list station call letters, frequency, location, date and time of logging only. Reports may be sent via e-mail to the address listed above. E-mail entries must not be attached files nor mixed with a WDXR report. Postal entries are to be sent to the street address in the masthead of WDXR column.

Entry in the contest implies consent to all rules, including those which may appear later as necessity dictates.

Prize: One only \$5.00 IRCA Bookstore Credit for the contest entrant with the most final points. The object of this contest, is to hear five stations from each state (U.S. & Mexican), Canadian province, and foreign country. Each station logged is worth 1 point. and the points from each of the four categories will be added together to determine the total points earned. The contestant with the most total points at the end of the contest will be determined the winner and receive the \$5.00 IRCA Bookstore Credit. Good luck! 73--Nancy

CENTRAL DX ROUNDUP

Editor: John C. Johnson

E-mail: John_Johnson@prodigy.net CDXR reports ONLY: cdxr@prodigy.net

RIDING GAIN

- [NJ-MT] Nancy Johnson, Billings, MT
NancyJohnson@Prodigy.net
Yaesu FRG-7 with Kiwa loop.
- [PAL-MN] Paul A. LaFreniere, Grand Marais, MN
Plafren@boreal.org
Superadio III
- [JJR-WI] John J. Rieger, South Milwaukee, WI
JohnJRieger@webtv.net
Icom IC-T75, Kiwa loop, GE Superadio III, Terk AM 1000 loop.

DOWN THE DIAL

- 930 WKY OK, Oklahoma City. 8-16 fair. 07:00 with spot for OK tourism and "...if it's important to you, we're talking about it. Talk radio 9-30 WKY." [PAL-MN]
- 980 WNBI WI, Park Falls. 8-3 fair. 14:33 with local calendar of events. Doing a remote broadcast from some business. Jingle ID. [PAL-MN]
- 1130 KFAN MN, Minneapolis. 8-16 excellent with WISN nulled. 07:25 with "...this is KFAN sports radio, but today it's Elvis radio." [PAL-MN]
- 1130 WISN WI, Milwaukee. 8-16 excellent with KFAN nulled. 07:23 with call-in talk show. [PAL-MN]
- 1390 WRIG WI, Schofield. 8-14 good. 08:33 with extended WI weather followed by sports, then an invite to log onto web site for news, sports, and weather. Community Calendar followed. [PAL-MN]
- 1400 KLBB MN, Saint Paul. 8-14 loud, deep fades. 07:42 with traffic report, spots, and "Join us on Club 14 AM 1400 and AM 1470." [PAL-MN]
- WCCY MI, Houghton. 8-3 good, WATW nulled. 14:25 with MOYL. "...here on all star radio WCCY." [PAL-MN]
- 1450 KBFS SD, Belle Fourche. 8-13 good over others. 23:00 with "We're the country twins, KYDT FM Sundance, KBFS AM Belle Fourche" into ABC News. [NJ-MT]
- 1490 KLGR MN, Redwood Falls. 8-14 poor. 08:20 with talk about Renville County Fair and spot for Minnesota Valley Bank. [PAL-MN]
- 1510 WAUK WI, Waukesha. 8-3 good. 07:00 with quick sign on and into ABC news. [PAL-MN]
- 1560 KKAA SD, Aberdeen. 8-6 poor with WQEW when KLTJ faded. 23:00 with legal ID. [JJR-WI]
- KLTJ MO, Macon. 8-6 poor in fade up. 22:41 with "Magic 15-60 KLTJ" ID and old R&B format. [JJR-WI]

25 YEARS AGO

September 4, 1976 issue of IRCA's "DX Monitor" ... Bob Lazar of Port Washington, WI quoted from a "Stereo" magazine AM stereo article that just as soon as the FCC approved a system 300 stations were ready to go stereo ... Bruce Portzner of Seattle, WA said the past DX season was his best ever with 85.7% verie returns ... Paul LaFreniere of Grand Marais, MN wondered how hurricanes effected DX'ing ... Rick Heald of San Francisco, CA commented on the convention. 36 has attended and the tours were great.

OPEN MIKE

Next deadline is 9-4-01. This column was typed 8-16-01. 73, John
Deadlines are : 9/9 , 9/16 , then weekly Deadline times are 8 AM

EASTERN DX ROUNDUP

Editor: Lee J. Freshwater - 414 SE 3rd St. - Ocala, FL 34471

E-mail: ENGWTRS@aol.com FAX: 352-732-7223

STARS OF THE WEEK

(LF-FL)	Your editor	Drake R-8A / HQ180A, Potomac FIM-41 KIWA Loop, 75' LW, N/S
(WM-MD)	William McGuire	2412 59th Place, Cheverly MD DX-398
(HN-GA)	Herb Newberry	405 JH Whittaker Rd, Newborn, GA 30056-3033 Kenwood R-5000,150' lw/75' lw
(MS-NJ)	Michael Temme-Soifer	Egg Harbor, NJ DX 398 w/ RS 15-1853 Loop

LOGGINGS

560	FL	WQAM	Miami 8/20 2200 Ad for Maroony Ford in Miami; ID of WQAM Sports News; (NFL, Marlins 7 game losing streak, MLS, US Open Tennis) then ID "Sports Radio 560- WQAM" On top of slop (HN-GA)
	MD	WFRB	Frostburg 7/13 2042 NOS MX hrd, ID given as WTBO (WM-MD)
650	TN	WSM	Nashville 8/24 0320 (MS-NJ)
700	OH	WLW	Cincinnati 8/24 0324 (MS-NJ)
710	NY	WOR	New York 8/23 0210 (MS-NJ)
720	PE	CHTN	Charlottstown 8/24 0326 Oldies (MS-NJ)
	IL	WGN	Chicago 8/24 0330 Talk, faded from WGN (MS-NJ)
750	GA	WSB	Atlanta 8/24 0334 (MS-NJ)
760	MI	WJR	Detroit 8/24 0336 (MS-NJ)
770	NY	WABC	New York 8/24 0337 (MS-NJ)
820	ON	CHAM	Toronto 8/25 0338 "Ontario's Best Country", local ads (MS-NJ)
880	NY	WCBS	New York 8/23 0219 (MS-NJ)
890	VA	WKNV	Fairlawn 7/13 2035 "Southwestern Virginia's Gospel Station We're Joy FM" (WM-MD)
900	ON	CHML	Hamilton 8/23 0349 "CHML AM 900" (MS-NJ)
920	PA	WKVA	Lewistown 7/28 2300 Oldies MX hrd; ID; CBS hourly news (WM-MD)
930	FL	WFXJ	Jacksonville 8/20 2216 Fox Sports Radio outlet w/minor league baseball game, ad, ID "930 THE FOX for Jacksonville", Loud readable signal S9- +20. Very slow fade and recovery (HN-GA)
940	PQ	CKNW ?	Montreal 8/23 0249 "940 News" (MS-NJ)
1030	MA	WBZ	Boston 8/23 0231 (MS-NJ)
1040	IA	WHO	Des Moines 8/24 "AM 1040 WHO" (MS-NJ)
1060	PA	KYW	Philadelphia 8/23 0221 (MS-NJ)
1080	CT	WTIC	Hartford 8/23 0225 (MS-NJ)
1100	OH	WTAM	Cleveland 8/23 0233 (MS-NJ)
1110	NC	WBT	Charlotte 8/23 0240 (MS-NJ)
1150	TN	WGOW	Chattanooga 8/20 2231 Ad for Intelligent Systems and Networking; a double promo for Mike Gallagher talk show "10 To noon on Newsradio 1150- WGOW"; promo for website www.WGOW.com; music (HN-GA)
1170	WV	WWVA	Wheeling 8/24 0407 (MS-NJ)
1180	NY	WHAM	Rochester 8/24 0413 (MS-NJ)
1200	TX	WOAI	San Antonio 8/24 0500 (MS-NJ)
1230	VA	WJOI	Norfolk 7/25 2125 After Carpenters song; "Hampton Roads original Hits station"; ID; baseball game also heard. (WM-MD)

1260	OH	WNXG	Portsmouth 8/20 2245 Reds Baseball, 2247-Ad for Insurance agent, other ads, quick ID "WNXG-Portsmouth" Portsmouth is ESE of Cincinnati on the Ohio River (HN-GA)
1270	MD	WCBC	Cumberland 7/27 2140 Astros BB game hrd (WM-MD)
	MI	WXYT	Detroit 7/27 2140 Indiana BB game hrd (WM-MD)
1290	PA	WFBG	Altoona 7/13 2130 Altoona Curve vs Reading Phillies minor league BB hrd. (WM-MD)
1310	TN	WDOD	Chattanooga 8/20 2303 ABC network news; local ads, "6 AM on Unforgettable AM 1310, WDOD" then back to their NOS format (Sounds like Music of your Life) Fairly good with some fading, and an UNIDEN Gspl stn in the background. (sounds like an FM simulcast. (HN-GA)
1320	PA	WJAS	Pittsburgh 7/27 2100 NOS MS hrd; ID; CNN Radio news; Unid baseball game hrd. (WM-MD)
	VA	WVNZ	Richmond 7/13 2025 ID: "We're building a whoole new Radio station." (WM-MD)
1350	PA	WOYK	York 7/13 2100 ESPN Radio hrd; AD mentioning PA also hrd. (WM-MD)
1370	VA	WHEE	Martinsville 7/13 2115 Bristol Sox vs Martinsville Astros Baseball game hrd. (WM-MD)
1420	PA	WCOJ	Coatesville 7/25 0100 NOS MX hrd; ID (WM-MD)
1470	GA	WRGA	Rome 7/27 2049 Braves Baseball hrd. (WM-MD)
	PA	WKAP	Allentown 7/27 2049 Barbara Streisand song hrd; ID (WM-MD)
1530	GA	WTTI	Dalton 8/20 2027 S. Gspl with "DW & Ann" then sign off with prayer, then station ID and station info @ sign off. 10KW daytime. Slogan is "North Georgia's most powerful AM station" (I guess They forgot WSB-? Hi) WSAI rolled in after carrier off (HN-GA)
	OH	WSAI	Cincinnati 8/24 0419 (MS-NJ)
1620	TX	WTAW	College Station 8/20 2330 Ad for United Flight System flight school; ads; promo for Rush on "Newstalk 1620 WTAW, then back to Dr Dale talk show. (HN-GA)
1630	GA	WRDW	Augusta 8/20 2040 Baseball game ending (minor league) Anncr gave ID as "Newstalk-Sports 1630 WRDW", then ad for Taylor Toyota in North Augusta, SC (HN-GA)
1680	FL	WTIR	Winter-Haven 8/20 2108 "Travelers Information Radio" Ad for Florida golf courses around Orlando and on the Disney Properties; promo for advertisers; announcer with weather For Orlando and Central Florida area; Flippers Pizza home Delivery; promo for the downtown Orlando, Solid 20+ signal On S-meter, noted only very slight fading. (HN-GA)

UNIDEN

1380	??	????	7/25 2050 REL MX hrd; SRN news (WM-MD)
1470	??	????	7/27 2044 Phillies BB in mess (WM-MD)

Welcome to the first edition under a new publisher and new word processing program. I am still getting used to doing the column a little different.....Thanks to RICH for saving our You know whats.....

A BIG welcome BACK to Herb Newberry. Herb was a regular contributor a few years ago. Nice to have you back with EDXR and Thanks for the tape..... Also welcome to Michael from New Jersey who sent a list of some of his powerhouse regulars. A reminder that deadlines are SUNDAY AM at 0800.. Please try to put your loggings in EDXR form.. It will save me A LOT of typing.

73's and all the best to you.....fresh 8/26 1900.....

DX WORLDWIDE – WEST / TROPICAL BAND DX

Editor: Patrick Martin – P.O. Box 843 – Seaside OR 97138

E-mail: mwdxer@webtv.net

Hi everyone. DX season is starting. I had a decent opening to the Pacific August 18th. It was the greatest, but at least it is a start. We also have a report from Kevin Redding and included is a Tropical Band report. So away we go.

PAN AMERICAN DX ROUNDUP

- 530 TURKS AND CAICOS, RVC, 8/7 0620 with SS rel pgm. Female ancr. Weak with heavy lightning QRM. (KR-AZ)
- 540 MEXICO, Tijuana XEJAZZ, 8/7 0623, using the slogan K-Jazz. In stereo, some KFYI-550 splatter and a little QRM from XEWA. (KR-AZ)
- 710 MEXICO, Cd. Cuautemoc, Chih. 8/16 1113 Big s/on signal w/slogan "La Ranchera del Cuautemoc". (KR-AZ)
- 920 MEXICO, Hermosillo, Son, XEBH 0100 7/15, slogan "Lo mejor, Nueve Veinte" playing SS CHR in Stereo. (KR-AZ)

TRANS PACIFIC DX ROUNDUP

- t531 AUSTRALIA, Kempsey, 2PM prob the one with spots at 1233 8/18 u/o IXPI. (PM-OR)
- 531 NEW ZEALAND, Auckland IZPI, very good at 1210 8/18 with Samoan talk by man. (PM-OR)
- 549 AUSTRALIA, Orange 2CR, fair in splash with ABC News at 1204 8/18. (PM-OR)
- 558 FIJI, fair w/Island mx and man in Fijian at 1237 8/18 (PM-OR)
- 567 UNID, woman ancr talking about some "special type of radio". Prob 4JK-Julia Creek Q, though. At 1225 8/18 (PM-OR)
- 612 AUSTRALIA, Brisbane \$QR fair with man w/ABC News at 1203 8/18 (PM-OR)
- t639 AUSTRALIA, Coffs Harbour 2HC, prob the one weak w/series of spots at 1245 8/18 (PM-OR)
- 657 NEW ZEALAND, Wellington, Soujthern Star good with usual soft Christian mx at 1250 8/18 (PM-OR)
- 666 NEW CALEDONIA, Noumea weak with man in FF at 1239 8/18. (PM-OR)
- 675 AUSTRALIA, Albury 2CO // 684 with talk at 1252 8/18. (PM-OR)
- 684 AUSTRALIA, Kempsey, 2KP ABC // 675 with talk, both 675 & 684 rather weak at 1252 8/18 (PM-OR)
- 702 AUSTRALIA, Sydney good with 2BL ID and into ABC News at 1300 8/18 (PM-OR)
- 738 TAHITI, good with man in FF 1216 8/18 (PM-OR)
- 738 UNID, station underneath Tahiti, prob 2NR 1216 8/18 (PM-OR)
- 765 NEW ZEALAND, Napier 2XT, good with Maori programming in native talk and mx 1215 8/18 (PM-OR)
- t783 NEW ZEALAND, Wellington, prob. Samoan Capitol Radio, weakly at 1231 8/18. Sounded like woman in Samoan in splatter. (PM-OR)
- 792 AUSTRALIA, Brisbane 4QG, very good at 1253 8/18 with woman talking about Australia and its history. (PM-OR)
- 891 AUSTRALIA, Townsville 4TAB, the best DU of the morning. Peaking sometimes at S8 or S9 and alone on channel since Fiji moved from 891. Troting as usual, noted at 1244 8/18. This station has always been good since the move to 891 in the early 80s. (PM-OR)
- 900 HAWAII, Kahului KNUI good mixing with CKMO with spots for Internet Service on Maui 1254 8/18 (PM-OR)
- 1008 AUSTRALIA, Brisbane 4TAB fair with Troting 1236 8/18 (PM-OR)
- 1035 NEW ZEALAND, Wellington 2ZB, presume NZ, with talk 1251 8/18, 1030/1040 splatter. (PM-OR)
- 1134 AUSTRALIA, Armidale 2AD fair in splatter and ancr said "...2-A-D" at 1244 8/18.

- This 2 KW gets out well. (PM-OR)
- 1179 UNID DU here with loud signal briefly 1220 8/18 with pop mx, soon lost. Ancr sounded commercial sounding, so I wouldn't guess it to be 3RPH. There are three NZers and the one Aussie on 1179. It wasn't Southern Star (Christian mx), or the 100 watt Resort Radio I wouldn't think. There is a "Ruai Mai" station it might have been, 1 KW. Will keep checking. (PM-OR)
- 1503 UNID A loud Open carrier here all morning at several rechecks 1200-to after 1300, no audio. Melbourne? (PM-OR)
- 1548 AUSTRALIA, Emerald 4QD loud but with lots on 1550 splatter, ABC News noted at 1201 8/18 (PM-OR)
- 1566 UNID, strong carrier here but no audio 1221 8/18 (PM-OR)
- 1629 UNID, strong carrier here, no audio 1217 8/18 (PM-OR)
- 1665 AUSTRALIA, Sydney 2MM, suely the one here with weak ethnic talk 1227 8/18 (PM-OR)
- 1683 AUSTRALIA, Earlwood, Radio Club AM, fair to weak with Ethnic prog at 1228 8/18 (PM-OR)
- 1701 AUSTRALIA, Brisbane, Radio 1701, fair with Ethnic talk u/2NTC at 1210 8/18, woman anc. (PM-OR)
- 1701 AUSTRALIA, Sydney 2NTC, the best of the X Banders w/c&W tunes and several "NTC" IDs by man. Several spots at 1208 8/18 (PM-OR)

TROPICAL BAND ROUNDUP

- 2500 USA, Fort Collins, CO, WWV 8/5 0408, w/time pips, weather forecast and EE time anmts. (KR-AZ)
- 3205 COSTA RICA, Radio Exterior de España, Spain relay 0530 8/5, very loud. SS was spoken very fast. I'm used to XE SS and Spanglish which is much slower. (KR-AZ)
- 3215 USA, Nashville TN, WWCR 8/5 0500, Glenn Hauser and WOR program (KR-AZ)
- p3300 GUATEMALA, Guatemala City TGNA 8/5 0445 with EE Rel pgm. Very weak u/ lightning static. (KR-AZ)
- 3330 CANADA, Ottawa CHU 8/5 0430 w/time pips and time in EE. Did not hear the time in FF. (KR-AZ)
- 3995 GERMANY, DW 8/5 0418 w/GG news heavily QRM'd by hams & lightning static (KR-AZ)

THANKS TO THESE REPORTERS

- KR-AZ KEVIN REDDING, MESA AZ <amfmtvdx@qwest.net>
DXing with Kenwood R-1000 with 85' wire;
also Chris Cuff AM Stereo modified Delco car radio with 85' wire
- PM-OR PATRICK MARTIN, PO Box 843, Seaside OR 97138-0843 <mwdxer@webtv.net>
Drake R8, EWE Antenna

DX WORLDWIDE - EAST

Editor: Mark Connelly - 30 William Rd. - Billerica, MA 01821-6079
E-mail: MarkWALION@excite.com

Report from Mark Connelly - Times / dates = UTC / 2001 (logs 22 JUL - 1 AUG 2001)
[Connelly*B-MA] = Billerica, MA (GC= 71.221 W / 42.533 N)(home)
[Connelly*R-MA] = Rockport, MA (GC= 70.622 W / 42.667 N) (Granite Pier)

Receiver: Drake R8A

Antenna systems: broadband loop, active whip, "Kaz" antenna, Superphaser-1 phasing unit
This report includes loggings from this year's "DX Clams" DXpedition outing of the Boston Area DXers. For the full report, with pictures, go to:

<http://www.geocities.com/markwalion/dxclams2001.htm>

TRANSATLANTIC DX

- 531 MADEIRA RDP, Porto Santo, AUG 1 0145 – Portuguese talk; under Spain.
[Connelly*R-MA]
- 531 SPAIN RNE R.5 synchros, AUG 1 0145 - // 585 with Spanish teletalk by woman;
over Madeira. [Connelly*R-MA]
- 549 ALGERIA Chaîne 1, Les Trembles, AUG 1 0144 - Arabic talk by man; dominant.
[Connelly*R-MA]
- 549 GERMANY DeutschlandRadio, Nordkirchen & Thurnau, AUG 1 0036 - //
756 with opera; atop presumed UCB Ireland. [Connelly*R-MA]
- 549 IRELAND (t) United Christian Broadcasters, Monaghan, AUG 1 0023 - almost
surely this with English language pop-religious style vocals. It was not parallel
to Germany-756 or to the Algerians. I'll be checking for this again on future
beach DXpeditions. [Connelly*R-MA]
- 567 IRELAND RTE R.1, Tullamore, JUL 24 0330 - violin music, then woman in English;
to fair peak. [Connelly*B-MA] + AUG 1 0037 - soft English talk, then vocal; to
fair peak through WGAN-560 slop. [Connelly*R-MA]
- 576 GERMANY Mega R., Wobbelin, AUG 1 0040 – German talk, weird sound
effects, house / club music; over Spain. [Connelly*R-MA]
- 576 CANARY ISLANDS // SPAIN RNE R.5 synchros, AUG 1 0143 - // 585 with teletalk
by man & woman in Spanish; rising over Germany. [Connelly*R-MA]
- 585 SPAIN RNE R.1, Madrid, AUG 1 0020 - // 639 with Spanish talk and laughing;
very good. [Connelly*R-MA]
- 594 PORTUGAL R. Renascenca, Muge, AUG 1 0147 - // 963 with old-fashioned
sentimental Portuguese vocal; good, getting through the VOXM/WEZE slop.
[Connelly*R-MA]
- 603 FRANCE France Bleu, Lyon, AUG 1 0026 - // 1206 with spirited musical-theatre
style French male vocal; fair. [Connelly*R-MA]
- 612 MOROCCO RTM, Sebba-Aioun, AUG 1 0033 - // 819 with pop-style female Arabic
vocal; over Ireland. [Connelly*R-MA]
- 621 CANARY ISLANDS // SPAIN RNE R.1 synchros, Santa Cruz de Tenerife et al,
JUL 22 0452 man in Spanish over some background music; best TA at the time.
[Connelly*B-MA]
- 639 SPAIN RNE R.1, La Coruna, AUG 1 0017 – fast Spanish talk; to good peak, getting
by strong CBN. [Connelly*R-MA]
- 666 PORTUGAL RDP Antena 1, Lisboa & Vila Real, AUG 1 0017 - seemed // Azores-
836 with Portuguese music; poor. [Connelly*R-MA]
- 675 NETHERLANDS R. 10, Lopik, AUG 1 0014 - man in Dutch, then slow song "You
Left Me Just When I Needed You Most"; good with WRKO phased.
[Connelly*R-MA]
- 684 SPAIN RNE R.1, Sevilla, AUG 1 0013 - woman with Spanish talk and laughing,
mentions of entertainers, then there was interspersed music and a radio drama
/soap-opera type presentation with several actors. Good signal; WRKO phased.
[Connelly*R-MA]
- 711 FRANCE R. Bleu, Rennes, AUG 1 0026 - // 1206 with French showtunes; poor to
fair over growl from Western Sahara-711.05. [C.*R-MA]
- 747 NETHERLANDS Flevoland, AUG 1 0044 - New Age style instrumental; over
Spain. [Connelly*R-MA]
- 756 GERMANY DeutschlandRadio, Braunschweig & Ravensburg, AUG 1 0022 -
woman in German, then opera; loud ! [Connelly*R-MA]
- 765 SWITZERLAND RSR, Sottens, AUG 1 0028 – French male folk vocal; good.
[Connelly*R-MA]
- 774 SPAIN RNE R.1 synchros, AUG 1 0047 - // 855 with Spanish teletalk; fair through
WABC slop. [Connelly*R-MA]
- 783 MAURITANIA ORTM, Nouakchott, JUL 31 2335 - // 4845 with Arabic news;
good. [Connelly*R-MA]

- 792 FRANCE R. Bleu, Limoges, AUG 1 0031 - // 1206 with French female disco song; fair to good with WSKO-RI nulled. [Conn.*R-MA]
- 819 EGYPT General Programme, Batra, AUG 1 0034 - Koranic vocal; under Morocco. [Connelly*R-MA]
- 819 MOROCCO RTM, Rabat, AUG 1 0034 - // 612 with pop-style Arabic female vocal; fair, over Egypt. [Connelly*R-MA]
- 836 AZORES RDP, Pico da Barrosa, AUG 1 0009 - excerpt of an apparent political speech by a man in slow deliberate Portuguese, a female news reporter followed; fair through Canaries-837 QRM. [Connelly*R-MA]
- 837 CANARY ISLANDS// SPAIN COPE synchros, AUG 1 0008 - teletalk // 1296; fair to good over Azores-836 het. [Connelly*R-MA]
- 837 FRANCE R. Bleu, Nancy, AUG 1 0048 - // 1206 with French male folk-style vocal similar in style to songs by Gordon Lightfoot; very good, over Canaries. [Connelly*R-MA]
- 855 SPAIN RNE R.1, Murcia et al., AUG 1 0047 - // 774 with Afro-Caribbean style vocal, then Spanish talk by woman, followed by teletalk; good. [Conn.*R-MA]
- 864 EGYPT Holy Koran R., Santah, AUG 1 0042 - Koranic male vocal; huge, killing France. [Connelly*R-MA]
- 864 FRANCE France Bleu, Paris, AUG 1 0223 - // 945 with gospel-influenced group vocal; very good. [Connelly*R-MA]
- 873 SPAIN SER synchros, AUG 1 0049 - two woman in Spanish with talk & teletalk show; good. [Connelly*R-MA]
- 882 UNITED KINGDOM BBC R. Wales, Washford, AUG 1 0051 - light pop vocal, then English talk; dominant, over COPE Canaries-Spain. [Connelly*R-MA]
- 891 ALGERIA Chaîne 1, Algiers, AUG 1 0151 - // 153 with violins, then Arabic talk by man; in slop. [Connelly*R-MA]
- 907.81 GAMBIA R. Syd, Banjul, AUG 1 0152 - bits of audio, mostly just a het against BBC-909. [Connelly*R-MA]
- 909 UNITED KINGDOM BBC, Moorside Edge et al., AUG 1 0150 - news reports from field correspondents; poor to fair. [Connelly*R-MA]
- 936 SPAIN RNE R.5 synchros, AUG 1 0153 - // 774 with Spanish teletalk; poor. [Connelly*R-MA]
- 945 FRANCE France Bleu, Toulouse, AUG 1 0102 - // 1206 with old-time French male vocal and ragtime jazz instrumentation; loud. [Connelly*R-MA]
- 954 SPAIN R. Espana, Madrid, AUG 1 0223 - restricted range audio on Spanish talk, maybe a telephone interview or remote broadcast; fair through CHNS-960 slop. [Connelly*R-MA]
- 963 PORTUGAL R. Renascenca, Seixal, AUG 1 0147 - old-time Portuguese vocal // 594; poor, in bad CHNS slop. [Connelly*R-MA]
- 981 ALGERIA Radiodif. Algerienne, Algiers, JUL 31 2357 - Koranic vocal; light audio on powerhouse carrier. [Connelly*R-MA]
- 981 GREECE ERA, Athens, AUG 1 0109 - Greek bouzouki music with male group vocal; good. [Connelly*R-MA]
- 999 SPAIN COPE, Madrid, JUL 31 2356 - woman in Spanish; good. [Connelly*R-MA]
- 1017 GERMANY SWR-1, Wolfsheim, AUG 1 0156 - US soul and dance music; rising up over Spain. [Connelly*R-MA]
- 1017 SPAIN RNE R.5 synchros, AUG 1 0055 - woman in Spanish; initially dominant. [Connelly*R-MA]
- 1026 SPAIN SER synchros, AUG 1 0224 - // 1044 with woman in Spanish; to fair peak with WBZ phased. [Connelly*R-MA]
- 1035 PORTUGAL Radio Nacional, Porto Alto-Lisboa, AUG 1 0220 - man & woman in Portuguese; good with WBZ phased. [Connelly*R-MA]
- 1044 SPAIN SER synchros, JUL 31 2355 - Spanish teletalk; fair. [Connelly*R-MA]
- 1053 SPAIN COPE synchros, AUG 1 0101 - Spanish news; now atop UK. [Connelly*R-MA]

- 1053 UNITED KINGDOM Talk Sport synchros, AUG 1 0059 - advert for computer self-help CDROM; fair - good. [Connelly*R-MA]
- 1071 SPAIN Euskadi Irratia, Bilbao, JUL 31 2353 - // 1197 with folk vocal; getting by CBA. [Connelly*R-MA]
- 1089 UNITED KINGDOM Talk Sport synchros, AUG 1 0116 - // 1053; man on the telephone spoke with talkshow host about bring a kid in the 1980's; good. [Connelly*R-MA]
- 1098 SLOVAKIA R. Slovensko, Velke Zalužie, AUG 1 0157 - male Slavic ballad vocal; excellent. [Connelly*R-MA]
- 1107 SPAIN RNE R.5 synchros, AUG 1 0055 - fast Spanish talk by man; local-like. [Connelly*R-MA]
- 1116 SPAIN SER synchros, JUL 31 2352 - Spanish newstalk by woman; good. [Connelly*R-MA]
- 1125 CROATIA Hrvatski R., Deanovec, AUG 1 0056 - polka vocal // 1134; fair. [Connelly*R-MA]
- 1134 CROATIA Hrvatski R., Zadar, AUG 1 0001 - Slavic- language news by man; huge, way over Spain. At this Boston Area DXers "Clams" DXpedition outing, I showed Tom Walsh this station hitting S9+25 while adjacent WBBR-1130 NYC was only at S9+20. + AUG 1 0056 - polka vocal; local-like. [Connelly*R-MA]
- 1143 SPAIN COPE synchros, AUG 1 0117 - echoey Spanish talk by woman; good strength. [Connelly*R-MA]
- 1152 ROMANIA (t) R. Romania, Cluj, AUG 1 0111 - Balkan style music seemed // 1179; momentarily over Spain. [Connelly*R-MA]
- 1179 CANARY ISLANDS // SPAIN SER synchros, AUG 1 0118 - // 1044 with SER net news by woman in Spanish; over suspected Romania. [Connelly*R-MA]
- 1179 ROMANIA (t) Romania Actualitatea, Galbeni-Bacau, AUG 1 0111 - moody Balkan style folk vocal seemed to be // 1152. I also checked 855, but all Spain there, and - on 1053 - UK / Spain mix. [Connelly*R-MA]
- 1188 HUNGARY VOA/RFE Relay, Marcali, AUG 1 0103 - Slavic folk male vocal; good. [Connelly*R-MA]
- 1197 SPAIN Euskadi Irratia, Vitoria, JUL 31 2353 - folk vocal // 1071; through WKOX slop. [Connelly*R-MA]
- 1206 FRANCE France Bleu, Bordeaux, JUL 31 2340 - good with Animals oldie "The House of the Rising Sun". [Connelly*R-MA]
- 1215 UNITED KINGDOM Virgin R. synchros, JUL 31 2350 - "Here With Me" by Dido; good, over Spain. + AUG 1 0213 - Madonna song; loud. [Connelly*R-MA]
- 1242 FRANCE R. Bleu, Marseille, AUG 1 0124 - bits of French female vocal // 945; shredded by slop from WBUR-1240. [Connelly*R-MA]
- 1251 LIBYA Libyan Jamahiriya Broadcasting, Tripoli, AUG 1 0006 - flute music; poor to fair audio, big het on CBGA-1250. Incidentally, WKBR-NH was causing a lower het because it was on 1249.55 instead of 1250. [Connelly*R-MA]
- 1296 SPAIN COPE, Valencia, AUG 1 0008 - // 837, Spanish talk with woman in studio and a man on the telephone; good, through WJDA slop. [Connelly*R-MA]
- 1341 NORTHERN IRELAND BBC R. Ulster, Lisnagarvey, AUG 1 0211 - English talk; in slop. [Connelly*R-MA]
- 1359 SPAIN Arganda, AUG 1 0132 - woman in Spanish leading panel discussion program; big signal, getting around strong CKBC. [Connelly*R-MA]
- 1377 FRANCE France Bleu, Lille, JUL 23 0326 - French disco music; fair. [Connelly*B-MA] + AUG 1 0123 - // 945 and 1206 with romantic French female vocal & piano; huge, better than St. Pierre on 1375. [Connelly*R-MA]
- 1422 GERMANY DeutschlandRadio, Heusweiler, AUG 1 0210 - classical music; excellent. [Connelly*R-MA]
- 1458 ALBANIA (t) Fllake, AUG 1 0228 - Slavic-sounding talk; poor. [Connelly*R-MA]
- 1502 ANGOLA E.P. de Benguela, AUG 1 0209 - African vocal; poor, hetted by weak unID on 1503. [Connelly*R-MA]

- 1512 CRETE / GREECE ERA, Chania, AUG 1 0133 - // 981 with Greek music; poor in WWZN slop. [Connelly*R-MA]
- 1521 SAUDI ARABIA BSKSA, Duba, JUL 25 0256 - Oud interval signal; to good peak. [Connelly*B-MA]
- 1521 SPAIN SER, Castellon, AUG 1 0134 - // 1044 with Spanish teletalk; fair. [Connelly*R-MA]
- 1530 VATICAN CITY R. Vaticana, JUL 23 0322 - eastern European talk, Vaticana mention; over/under WSAI. + JUL 26 0324 - Latin phrase "Laudetur Jesus Christus", then Vatican interval signal; huge, way over WSAI. [Connelly*B-MA]
- 1539 GERMANY Evangeliums Rundfunk, Mainflingen, AUG 1 0135 - Christian pop music; good, over SER and some not-totally-nullable WPTR slop. [Conn*R-MA]
- 1548 KUWAIT VOA Relay, Kuwait City (Kabd), AUG 1 0136 - VOA stock market report; good. [Connelly*R-MA]
- 1602 SPAIN Euskadi Irratia, Vitoria, AUG 1 0226 - man with Spanish talk; over SER synchros. [Connelly*R-MA]

MARK'S COMMENTS

"DX Clams 2001" Dxpediton Granite Pier - Rockport, MA, USA: 31 JUL - 1 AUG 2001

I enjoyed the 2001 Boston Area DXers "DX Clams" outing, the fourth of these annual mini-DXpeditions that defy the notion that long-distance medium-wave reception is not possible during the summer.

All you need to succeed this time of year is a coastal location, talented DXers, good receivers and antennas, and a bit of luck in missing a night with excessive thunderstorm static (or one with 'dud' propagation). Despite the perception of summer as "not the DX season", there was good DX to be had at each of the previous "Clams" get-togethers (Rowley, MA in 1998; Rockport, MA in 1999 & 2000). The 2001 effort was, perhaps, the best "DX Clams" outing so far in terms of propagation. By sunset at 8 p.m. local (0000 UTC), the AM dial was rocking with European and North African DX.

Interestingly, "spot" openings to certain areas seemed to be the order of the evening: an eastern Mediterranean / Middle East run would put stations such as Egypt-864 and Greece-981 on top of their channels for a while, eastern Europe (Slovakia-1098, etc.) would then crank in, and the Ireland / UK / Netherlands / Germany region would take over, before more typical conditions favoring Spain, Portugal, France, and northwest Africa returned.

There was very little to hear from South America or the Caribbean area. Much of this summer has seen diminished reception from the south.

The weather was mostly clear and fairly humid, but not excessively warm. Evening temperature was about 21 C / 70 F. Flying insect pests weren't as much a problem as on some of the other summer DXpeditions. Static was much less than it was a couple of weeks earlier on a solo mid-July Rockport DX session.

The deployment of Bruce's novel antenna system was a highlight of this year's outing. Judging by Bruce's loggings, the big-loop phased against the inverted L "tower" worked quite well in producing cardioid nulls to the west to clear the domestic crud away from the transatlantics.

Tom Walsh borrowed my Palstar R30 and managed to snag several European medium-wave stations with just a short hunk of wire on the rocks. Gary Thorburn and Paul Graveline DX'ed with Gary's varactor-tuned box loop mounted on a tripod next to his car.

I had a good time as always. "DX Clams 2001" inspired me to think about Newfoundland DXpedition #10 coming in November, 2001. That "big daddy of East Coast DXpeditions" will coincide very closely with the 100th anniversary of Marconi's reception of Britain from Signal Hill in St. John's, NF.

VERIFICATION SIGNERS

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My deadline is the last Tuesday of the month.

CONTRIBUTORS

GVJ Gary V. Jackson, 7735 Center Parkway, Sacramento CA 95823

PM Patrick Martin, P O Box 843, Seaside OR 97138-0843; mwdxer@webtv.net

FREQ	CALL	NAME, TITLE; ADDRESS; WHAT; WHEN; WHO
790	KBRV	Doug Mathis, GM; P O Box 777, Soda Springs ID 83276; F; 260ff; PM
970	KANM	Paul Shinn, CE; 1581 Cummins Dr, #135, Modesto CA 95358; LP+; 7F; PM
970	KFTA	Benjamin Reed; 120 South 300 West Rd, Rupert ID 83350; P; 26; PM
1200	TIS*	Cpl Scott Welch, CE; Foster City Police Dept, 1030 Hillsdale Blvd, Foster City CA 94404; Q; GVJ
1320	KSCR	Michael Donovan, GM; 2100 West 11th Ave, #200, Eugene OR 97402; L; 6; PM
1340	KCAP	[Illegible]; 110 Broadway, Helena MT 59601; P; 230f; PM
1640	KBJA	Kristin Perry (?), CE/ChiefOp; 10348 S Redwood Rd, South Jordan UT 84095; Q; 15; PM
	KBJA	Kristen Perry, ChiefOp; same address; Q; 10; GVJ
1660	KAXW	Lorelai Mouillesseaux, Office/Traffic Mgr; 514 E Bellevue Rd, Atwater CA 95301; L; 8; PM
	KWSJ	Ken Wolf, CE; 4935 Belinder Rd, Westwood KS 66205; F; 7f; PM
	KXTR	Ken Wolf, CE; 4935 Belinder Rd, Westwood KS 66205; L; 10; GVJ

WHAT was received: L = Letter with personalized statement; F = Form letter; Q = QSL card, commercially printed; C = Postcard or similar card supplied by station; P = Prepared card supplied by DXer; R = DXer's report returned with statement; cf = Certificate; E = Verification by e-mail; fx = Verification by FAX; M = Coverage map; B = Bumper or other sticker; bc = Business card; + = Extra goodies

WHEN the reply came: Number of days elapsed; f = Follow-up, by mail, FAX, e-mail, or visit; n = Return postage not used; r = Return postage returned

NOTES: * [For this column] = See comment below

Patrick notes that the verie of KANM-970 included a copy of the Stockton Record newspaper article on the 1999 KSTN DX Test with his name in it. Gary mentions that although he had received his prepared card back from the TIS on 1200 kHz in December, he received the same very attractive QSL card that Bob Pietsch received last month. Note that the address indicated by Gary is slightly different than that given by Bob in last month's column. This column was prepared on 7/31/01 and 8/28/01. 73, SSH.

IRCA TECHNICAL COLUMN

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Phasing Improves Kaz Antenna Nulls

(Mark Connelly, WA1ION - 10 JUL 2001)

The "Kaz" antenna was introduced by John Bryant's article "Testing Two 'Kaz' Squashed Delta Antennas" (reference 1). Further test results were presented in my article "Pennant and Kaz Antenna Tests" (reference 2). The antenna has the form of a delta with the apex

spaced above the center of the horizontal base at a distance of 1/4 to 1/3 the length of the base. Base height above ground can be as little as 0.3 m / 1 ft., though I find improved performance at 1.5 m or higher. The top wire (forming the two sloping sides) is one conductor and the base wire is a second conductor. Feeding and/or termination occurs at the pair of wires on each end of the base at the point of approach of the upper conductor.

This article describes how the nulling abilities of the Kaz antenna can be enhanced by having combination feed and termination boxes installed at each end of the antenna. The two coaxial feedlines are presented to inputs of a phasing unit.

Homebrew phasers such as DXP-2, DXP-3, Superphaser-1, and Superphaser-2 work well for this application. Articles on these units can be obtained via links on my RF Circuits page (reference 3). Commercially-available broadband phasing units such as the Quantum Phaser, modified MFJ-1026, and JPS ANC-4 could also be used.

Each feedline supplies a pickup that is somewhat cardioid in shape. If the Kaz antenna is set up on an east-west axis, the feedline coming from the box at the west end of the antenna has a pattern which, to some extent, nulls signals from the east (+/- 30 degrees typical). The feedline coming from the box at the east end of the antenna has a pattern that tends to null signals from the west. Depending on antenna layout, height, surrounding conductive objects, and termination resistance, the maximum null of each cardioid can vary from as little as about 6 dB to as much as 40 dB. In many cases Vactrol control of termination can improve null depth over what can be had with a fixed termination value (typically chosen to be about 1000 +/- 200 ohms). Even if the terminations are fixed and cardioid front-to-backs are only coming in around 10 dB each, very deep nulls can still be obtained by phasing the two opposing direction cardioids against each other.

In the case of wanting to null a signal from the west with the above set-up, the feedline from the west end of the antenna may be presented to phasing unit Channel 1 and the feedline from the east end to Channel 2. Channel 1 has a western station signal about 10 (and maybe more) dB stronger than that same signal on Channel 2. Also, desired eastern signals are on the order of 10 dB or more weaker on Channel 1 than on Channel 2. When equalizing Channel 1's western pickup to be about equal with that from Channel 2, the level pot adjustment introduces about 10 dB of loss on Channel 1. At this point there is at least 20 dB of strength difference between the two channels on eastern signals. When the phase adjustment to null the western signal is enacted, there is virtually no effect on eastern signals even if they too are made to be 180 degrees out of phase between the two channels. The system's overall front-to-back ratio can be pushed to better than 50 dB on groundwave and 25 dB on most skip with this arrangement: superior to a single feedline approach even with Vactrol control. The simplest way to do a combination feed and terminate at each end of the antenna is to connect the antenna wires through a step-down transformer matching 950 ohms to 50 ohms. John Bryant's article "Fabricating Impedance Transformers for Receiving Antennas" (reference 4) recommends an FT114-75 (FT114-J) Amidon ferrite toroidal core with a 20-turn high-impedance primary winding (antenna) and a 5-turn low-impedance secondary winding (coaxial feed). He also mentions the alternative of an FT114-43 core with a 45-turn high-impedance primary and a 10-turn low-impedance secondary. A Mini-Circuits T16-6T-X65 transformer has also been used successfully in some Kaz and Pennant antenna installations. If the "shack end" cable terminations (e.g. at the two phasing unit inputs) are reasonably close to 50 ohms, the correct termination impedance for each side of the antenna will be passed through the respective transformer (acting as a step-up in that direction).

Because adjustment of a deep null is accomplished by phasing, there is less need for Vactrol remote termination than with a single-feedline system. Two opposing cardioids of fairly mediocre null depth can be combined to produce impressive front-to-back ratios. This is quite the same as noted here with opposing-pickup slopers even when each antenna is only good for about 8 - 10 dB of front-to-back on its own. Also, as noted with slopers, a bit of

spatial separation helps too. Phase shift on desired signals is less likely to be in the 180 degree null range executed on opposite-direction signals when feedpoints are separated by 1/15 to 1/3 wavelength (as compared to being co-located or at some multiple of 1/2 wavelength). As compared to a small 12 m base version, the larger size Kaz antennas (base in the 20 - 40 m / 65 - 130 ft. range) will deliver heftier signals in the first place and will also have the added benefit of a lower likelihood of collateral nulling of desired-direction signals along with null-direction "pests" when inherent cardioid null depths are below the ideal of at least 12 dB each.

The transformer feed / terminate scheme without additional amplification is usually adequate for Kaz antennas having areas of 100 square meters or above (e.g. base 20 m, apex 5 m above base). Smaller antennas can benefit from amplification. Since coaxial cable has very little loss below 2 MHz, MW DXers and 160-m hams will usually have a 50-ohm input / output amplifier on each coaxial feedline at the "shack" end, out of the weather. The W7IUV design (reference 5) is a good choice. The Kiwa broadband amplifier and the Mini-Circuits model ZHL-6A are ready-made, though pricey, options.

There is one instance in which amplification located at the two antenna feed points may be desired. This is the circumstance when Vactrol control of termination resistance is desired. Because DC (typically 12 volts) to power an amplifier and a separate Vactrol DC voltage both must be presented to each of the two combination feed / terminate boxes, a single wire (carrying Vactrol DC) must accompany the coaxial feed than carries DC to and RF from the amplifier at a given end of the antenna. This separate wire should be broken up with several RF chokes to keep it from influencing the antenna. It can be physically attached to its accompanying coaxial line by means of nylon cable ties. The amplifier should be a high-impedance input to 50-ohm output buffer type. My BUF-E and BUF-F models (links via reference 3) work well here. The Vactrol's variable resistance can be placed from the input of the buffer amplifier card on one side and, on the other side, to a 220 ohm resistor to circuit ground. The two antenna leads go to the primary of a custom 1:1 high-impedance transformer (to be described); the secondary of this transformer goes to the buffer amplifier card input and to circuit ground. This arrangement gives about 15 dB of gain compared to no amplifier; it also enables simultaneous Vactrol control of the null observed when the phasing unit is set to the channel corresponding to the output of the amplifier on the opposite side of the antenna. The custom 1000 ohm 1:1 balun transformer consists either of 21 turns primary / 21 turns secondary on an FT114-75 (FT114-J) core or, alternately, 45 turns primary / 45 turns secondary on an FT114-43 core.

The Vactrol controller should be a dual version incorporating aspects of the model presented in Figure 3 of my article "Pennant Antenna with Remote Termination Control" (reference 6). Chokes, dropping resistors, and diode protection of the LED portion of the Vactrol (in each feed / terminate box) should be configured similarly to Figure 5 of the Pennant article.

Having the independent Vactrol controls and "field site" buffer amplifiers at each end of the antenna adds a good deal of complexity compared to the simple transformer-feed method, but it is seen as a valuable approach to take on smaller Kaz antennas like the 10 X 40 ft. / 3 X 12 m model that is becoming popular for temporary installations.

You could use the buffer amplifiers without the Vactrol if desired. In that case you'd install a 1K fixed resistor or, better yet, a 2K pot across the input of each buffer. During installation each end's pot could be tweaked to null a target station in the middle of the frequency range. You'd "listen" to the output of the amplifier opposite the one where you were adjusting the pot. An adjusted value of 800 ohms to 1.2K would be the typical result.

Phasing is achieved by observing the normal operating procedure for the unit being used. This generally consists of, first, equalizing the amplitudes of Channel 1 and Channel 2 on the signal to be nulled and, secondly, adjusting the phase shift control to produce a null. The procedure concludes with small interactive adjustments of one or both amplitude pots and the phase shifter.

If feedline pickup is a problem, one or more coaxial chokes (consisting of 17 turns of RG-174 on an FT140A-J core) may be inserted in series with the coaxial line.

Anyone contemplating the use of a Kaz, Pennant, Flag, or Delta terminated loop should look into two-feedlines-to-phaser schemes similar to those outlined above. The enhanced nulling performance makes the slightly greater system complexity well worth the effort. For HTML version of the preceding article, go to http://www.qsl.net/wa1ion/kaz/phased_kaz.htm It contains hyperlinks and some additional material.

References:

(Note: Over time Web URL's may change. If this occurs, it may still be possible to retrieve the articles by going to known DXer Web sites or to search engines for links. Hard copies are likely to be available from the National Radio Club and International Radio Club of America reprints services.)

1. Testing Two 'Kaz' Squashed Delta Antennas, John Bryant, 2001

"<http://members.aol.com/DXerCapeCod/kaztests.pdf>"

also: SDXM Vol 38 - No. 20 and "<http://www3.telus.net/7dxr/ircatech/testingkaz.pdf>"

2. Pennant and Kaz Antenna Tests, Mark Connelly, 2001

"http://members.aol.com/DXerCapeCod/pennant_v_kaz.htm"

3. RF Circuits page (links to construction articles)

"<http://www.qsl.net/wa1ion/index.html>"

4. Fabricating Impedance Transformers for Receiving Antennas, John Bryant, 2001

"http://members.aol.com/DXerCapeCod/z_transformers.pdf"

also: SDXM Vol 38 - No 20 and "<http://www3.telus.net/7dxr/ircatech/impformer.pdf>"

5. W7IUV Amplifier

"http://www.qsl.net/wa1ion/amp/w7iuv_amp.htm"

6. Pennant Antenna with Remote Termination Control, Mark Connelly, 2000

"<http://members.aol.com/DXerCapeCod/pennant.pdf>" and

"<http://members.aol.com/DXerCapeCod/pennant.htm>"

SPORTS NETWORK

Editor: Kevin Redding - 1357 Hall - Mesa, AZ 85204

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Welcome to the August edition of Sports Network. We have stayed pretty much to US sports networks, but since I am here in Arizona sweating my buns off in the hot 100 degree plus weather, I was thinking how nice it would be to enjoy the cool climes of Canada about now, so that's where we are going this month.

Thanks to Morris Sorensen up in Canada, we are doing Canadian Football League affiliates. Morris was kind enough to pass this information along to all you DXers who might be hearing football already. Strap on your leather helmet and get ready for action on the big field of Canadian style football. Here's the kickoff!

The Canadian Football League

Note: Flagship stations and Networks of the 2001 season. The stations listed may not necessarily carry all games.

Eastern Conference

Hamilton Tiger-Cats	900	CHML ON, Hamilton [Flagship]
Montreal Alouettes EE	800	CJAD QU, Montreal [Flagship]
Montreal Alouettes FF	730	CKAC QU, Montreal [Flagship]
Toronto Argonauts	590	CJCL ON, Toronto [Flagship]

Play by Play: Mike Hogan

Color: Peter Martin

Winnipeg Blue Bombers	680	CJOB MB, Winnipeg
	730	CKDM MB, Dauphin
	1220	CJRB MB, Beausejour
	96.3	CINC MB, Thompson [NCL]
	97.1	CFIL MB, Gillam [CJOB relay]
	105.5	CICY MB, Selkirk [NCL]
	106.7	KYTZ MB, Walhalla

+ about 35 low powered relay stations on FM on the NCL [aboriginal] network stretching from extreme southern MB to Churchill on the Hudson Bay coast.

Western Conference

British Columbia Lions	980	CKNW BC, Vancouver [Flagship]
	550	CKPG BC, Prince George
	560	CKNL BC, Ft. St John - Dawson Creek
	610	CHNL BC, Kamloops
	1240	CJAV BC, Port Alberni
	1240	CKMK BC, MacKenzie
	1340	CINL BC, Ashcroft-Cache Creek
	1400	CHNL1 BC, Clearwater
	94.5	CHET BC, Chetwynd
	106.1	CKHH BC, Hudsons Hope-Chetwynd
	107.1	CHNL2 BC, Sorrento-Shuswap
Calgary Stampeders	770	CKQR AB, Calgary [Flagship]
Edmonton Eskimos	630	CHED AB, Edmonton [Flagship]
Saskatchewan Roughriders	980	CKRM SK, Regina [Flagship]

Play by play: Rod Pedersen

Color: Carm Canteri

Sidelines: Willie Cole and Bob Poley

Post game: Michael Ball and John Lynch [CKRM]

600	CKWW SK, Saskatoon
620	CKCK SK, Regina
940	CJGX SK, Yorkton

Note: CKRM and CKCK are co-owned. CKRM is the flagship but also is carried on CKCK because of greater coverage area. For this Sports Network issue, special thanks to Morris Sorensen and also Mark Coady, Eric Floden, Mickey Delmage, and Terry Keykowski. Great job guys you scored much more than a single rouge here!

As most of you already know, the NFL preseason is underway. I did some checking to see if I could get you some information on the 2001 season for pro football that is being played in the NFC. The list is long and there are lots of stations listed, but several of the teams are missing in action when it comes to an affiliate list. If any of you readers of Sports Network know of the stations broadcasting the games of the teams with no stations listed, I would surely appreciate it if you would pass it along. The addresses are at the bottom of the column.

NFC EAST

Arizona Cardinals <http://www.azcardinals.com/press/partners.cfm>
KDUS 1060 Guadalupe, AZ [Flagship]
KSLX 100.7 Scottsdale, AZ [Flagship]

Dallas Cowboys www.cowboysradio.com
None listed.

Philadelphia Eagles

http://www.philadelphiaeagles.com/store/tv_radio/radio_schedule.asp

WYSP 94.1 [Flagship] Philadelphia, PA

WAEB 790 Allentown, PA

WEEU 830 Reading, PA

WDEL 1150 Wilmington, DE

WCBC 1230 Wildwood, NJ

WPPA 1360 Pottsville, PA

WCOJ 1420 Coatesville, PA

WGYM 1490 Atlantic City, NJ

WBCB 1490 Levittown, PA

WONZ 1580 Hammonton, NJ

New York Giants

<http://www.giants.com/community/broadcasters.cfm>

WFAN 660 NYC, NY [Flagship]

WPNW 550 AM Pawtucket

WROW 590 Albany, NY

WHEN 620 Syracuse, NY

WVMT 620 Burlington, VT

WLAD 850 Danbury, CT

WALL 1340 Middletown, NY

WEOK 1390 Middletown, NY

WICK 1400 Scranton, PA

WPOP 1410 Hartford, CT

WKNY 1490 Kingston, NY

Washington Redskins

<http://www.redskins.com/bcinfo.asp>

WJFK 106.7 Washington, DC [Flagship]

WDMV 540 Brinklow, MD

WSVA 550 Jonesville, VA

WSIS 600 Winston-Salem, NC

WWNR 620 Beckley, WV

WOHS 730 Shelby, NC

WRNR 740 Martinsburg, WV

WNIS 790 Norfolk, VA

WVLR 880 Narrows/Pearisburg, VA

WRNL 910 Richmond, VA

WFMD 930 Cumberland

WFIR 960 Roanoke, VA

WNRV 990 Norfolk, VA

WRAR 1000 Tappahannock, VA

WLON 1050 Lincolnton, NC

WINA 1070 Fredricksburg, VA

WAGE 1200 Martinsville, VA

WSML 1200 Graham, NC

WFVA 1230 Fredricksburg, VA

WLNR 1230 Kinston, PA

WFAY 1230 Fayetteville, NC

WCBC 1270 Hagerstown, MD

WGET 1320 Gettysburg, PA

WOYK 1350 York, PA

WXGM 1420 Gloucester, VA

WNAV 1430 Cambridge, MD

WMVA 1450 Moncia, VA

WGNC 1450 Gastonia, NC

WARK 1490 Hagerstown, MD

WKMT 1490 Rocky Mount, NC

WSTP 1490 Salisbury, NC

WCSL 1590 Cherryville, NC

WPDC 1600 Elizabethtown, PA

NFC CENTRAL

Chicago Bears

http://www.chicagobears.com/pressbox/broadcast_info.cfm

WBBM 780 Chicago, IL [Flagship]

WAIK 590 Galesburg, IL

WBSB 960 South Bend, IN

WRHL 1060 Rochelle, IL

KCPS 1150 Burlington, IA

KJOC 1170 Davenport, IA

WGLR 1280 Lancaster, WI

WRAM 1330 Monmouth, IL

WLBK 1360 DeKalb, IL

KCLN 1390 Clinton, IA

WROK 1440 Rockford, IL

WGEM 1440 Quincy, IL

WFMB 1450 Springfield, IL

WJCI 1460 Rantoul, IL

WLQI 1560 Rensselaer, IN

WBYS 1560 Canton, IL

WAIK 1590 Galesburg, IL

WPVL 1590 Platteville, WI

WMCW 1600 Harvard, IL

Tampa Bay Buccaneers

<http://www.buccaneers.com/PewterPartners/wqyk3.asp>
WQYK 99.5 Tampa, FL

Detroit Lions

http://www.detroitlions.com/news/index.cfm?cont_id=23839
WWJ 950 AM Detroit, MI [Flagship for games after 4]
WXYT 1270, Detroit, MI [Flagship]
WTIQ 580 Manistique, MI
WTCM 580 Traverse City, MI
WJMS 590 Ironwood, MI
WKZO 590 Kalamazoo, MI
CFCO 630 Chatham ON, Canada
WWKK 750 Petoskey, MI
WFDF 910 Flint, MI
WBCK 930 Battle Creek, MI
WGMY 940 South Haven, MI
WIDG 940 St. Ignace, MI
WJML 1100 Petoskey, MI
WOOD 1300 Grand Rapids, MI
WDMJ 1320 Marquette, MI
WCSR 1340 Hillsdale, MI
WAGN 1340 Menominee, MI
WPLB 1380 Greenville, MI
WPHM 1380 Port Huron, MI
WCCY 1400 Houghton, MI
WSJM 1400 St. Joseph, MI
WHTC 1450 Holland, MI
WIBM 1450 Jackson, MI
WNBV 1450 Newberry, MI
WBRN 1460 Big Rapids, MI
WLQR 1470 Toledo, OH
WABJ 1490 Adrian, MI
WLSL 1530 Lapeer, MI
WTVB 1590 Coldwater, MI
WAAM 1600 Ann Arbor, MI
WMGH 1600 Muskegon, MI

Green Bay Packers

<http://www.packers.com/fans/watch/radio-list.html>
WTMJ 620 Milwaukee, WI [Flagship]
WSAU 550 Wausau, WI
KFYR 550 Bismarck, ND
WMAM 570 Marinette, WI
WKTY 580 La Crosse, WI
WJMS 590 Ironwood, MI
WDDB 680 Escanaba, WI
WDSM 710 Superior, WI
WFAW 940 Fort Atkinson, WI
WTCH 960 Shawano, WI
WPRE 980 Prairie Du Chien, WI
WSPO 1010 Stevens Point, WI
WEZU 1220 New Richmond, WI
WIKB 1230 Iron River, MI
KVOX 1280 Fargo, ND
WCLO 1230 Janesville, WI
WIAN 1240 Ishpeming, MI
WOMT 1240 Manitowoc, WI
WOBT 1240 Rhinelander, WI
WJMC 1240 Rice Lake, WI
WEKZ 1260 Monroe, WI
WNAM 1280 Neenah, WI
WIBA 1310 Madison, WI
WFHR 1320 Wisconsin Rapids, WI
WPDR 1350 Portage, WI
WTJK 1380 Beloit, WI
WFCL 1380 Clintonville, WI
WBIZ 1400 Eau Claire, WI
WATW 1400 Ashland, WI
WDUZ 1400 Green Bay, WI
WRDB 1400 Reedsburg, WI
WOC 1420 Davenport, IA
WBEV 1430 Beaver Dam, WI
WRDN 1430 Durand, WI
KFIZ 1450 Fond du Lac, WI
WDLB 1450 Marshfield, WI
WRCO 1450 Richland Center, WI
WOSH 1490 Appleton/Oshkosh, WI
WDBQ 1490 Dubuque, IA
KSOR 1490 Omaha, NE
WEVR 1550 River Falls, WI

Minnesota Vikings

<http://www.vikings.com/>
KFAN 1130 Minneapolis, MN [Flagship]

NFC WEST

Atlanta Falcons
WGST 640 Atlanta, GA [Flagship]

San Francisco 49ers

<http://www.sf49ers.com/schedule/radio.asp>

KGO 810 San Francisco, CA [Flagship]

KMVI 550 Kahului, HI
KMJ 580 Fresno, CA
KPUA 670 Hilo, HI
KKOH 780 Reno, NV
KNCO 830 Grass Valley, CA
KZTK 970 Bakersfield, CA
KESP 970 Modesto, CA
KSPN 1110 Los Angeles, CA
KPRL 1230 Paso Robles, CA

KUYL 1280 Stockton, CA
KUIK 1360 Portland, OR
KKJL 1400 San Luis Obispo, CA
KVML 1450 Sonoma, CA
KGOE 1480 Eureka, CA
KENO 1460 Las Vegas
KBLF 1490 Red Bluff, CA
KIQS 1560 Willows, CA

Carolina Panthers

http://www.panthers.com/broadcast/index.cfm?cont_id=55162

WVOC 560 Columbia SC
WGAI 560 Elizabeth City NC
WCAB 590 Rutherfordton NC
WIRC 630 Newton NC
WMFD 630 Wilmington NC
WOHS 730 Shelby NC
WSTK 910 Jacksonville NC
WLON 1050 Lincolnton NC
WCSZ 1070 Greenville SC
WBAG1150 Burlington NC
WLNR 1230 Kinston NC

WNNG 1230 Hickory NC
WJNC 1240 Jacksonville NC
WKXR 1260 Asheboro NC
WDKD 1310 Kingstree SC
WSIC 1400 Statesville NC
WATA 1450 Boone NC
WQNT 1450 Charleston SC
WGNC 1450 Gastonia NC
WHKP 1450 Hendersonville NC
WASC 1530 Spartanburg SC
WCSL 1590 Cherryville NC

St. Louis Rams

<http://www.stlouisrams.com/>

KLOU 100.3 St Louis, MO [Flagship]
KREI 800 Farmington, MO
KFAL 900 Fulton, MO
KWOC 930 Poplar Bluff, MO
WMIX 940 Mt. Vernon, IL
KWOS 950 Jefferson City, MO
WMAY 970 Springfield, IL
KWTO 970 Springfield, MO
WCAZ 990 Carthage, IL
WCIL 1020 Marion, IL
KGIR 1220 Cape Girardeau, MO

KOCR 1310 Joplin, MO
WJPF 1340 Carbondale, IL
WTAZ 1350 Peoria, IL
KBKB 1360 Burlington, IA
KJPW 1390 Waynesville, MO
KSIM 1400 Sikeston, MO
WJBM 1480 Jerseyville, IL
KTGR 1580 Columbia, MO
KDEX 1590 Dexter, MO

New Orleans Saints

<http://www.neworleanssaints.com/>

None listed

The AFC will be listed next column. Keep your eyes open for it.

At the top of the column I mentioned giving an address to fill in for the unknown station lists. You can e-mail a list or URL can be found to amfmtvdx@qwest.net or you can snail mail it to me at 1357 Hall, Mesa, Arizona 85204. Any help with this would be greatly appreciated.

Its time to shoot the starters pistol and start the game! Oops... they stopped that about 8 years ago... Well blow the whistle and lets have the kickoff! -30-

WESTERN DX FORUM

Reid Wheeler – 5910 Boulevard Loop SE – Olympia, WA 98501-8408

E-mail: WMA001@home.com Phone 360-786-6756 Fax 360-753-3824

From the WDXF Editor:

Please note that I have a new e-mail address – wma001@home.com. Please use it for all future submittals. Also, I will be out of the country for Vol 39 #2 – please direct all submittals for that issue to my worthy substitute Mr. Phil Bytheway – 9705 Mary Ave NW, Seattle WA 98117-2334 or e-mail phil_bytheway@teknologic.net.

Now, on to the contributions....

Gary Larson, 2806 Lincoln, Burbank CA 91504 818-558-1350 4-8 pm

[7/27] Sorry to hear the paper DXM is to end (*not so, Gary, we have a new publisher, Rich Toebe, who will make the regular DXM happen at least for one more issue*). Thanks to all editors and others who made it go all the past many years. Today's Pasadena Star News radio story says that sometime this fall KJAZ 1260 is to triple power to better cover the San Fernando Valley. Although the 5000 watt mainstream jazz has yet to show up in the ratings, a station spokesperson said owner Saul Levine is committed to the current programming and plans to back it with a promotion campaign after the power increase. Levine has tried a number of formats on 1260, including all Beatles, all-news, all show tunes and a couple of tries with adult standards. KJazz is also simulcast on 540 AM. I called CE Tom White who says power is to be 20000/8500 but still unsure – maybe 2500 is correct for nites. I mentioned dark KKGQ 540 towers 6 mi. N of Lucerne Valley. He says site is being dismantled as we speak, so looks like they'll be gone eventually. 540 XEJAZZ has generated some ratings per Mr. White. Since 1030 KIOQ isn't on yet, maybe 540 site towers could be used for 1030. They appear to be as tall as 1020 KTNQ's. Sure wish someone would be publisher. Really sad if DXM ends as a paper publication.

[8/20] Very pleased to see Rich take over as publisher – thanks. Plus thanks to all past people who kept DXM going. Good to see Lynn become sec/treasurer. Thanks for all past years with Ralph doing his many jobs to help keep DXM in fine shape. Have seen in new local phone book, a listing for KHJ 930 here in Burbank. Just checked and seems Liberman br. Has left Hollywood address and is now at 1845 Empire, Burbank 91504, 818 729 5300. Same complex as Empire Studios is in. Also KBVE 105.5 Long Beach, KBVA 94.3 are here. Around corner at 1813 Victory Pl. is ch 62 KRCA (Riverside). Its been there for years. So far nothing new on 1500 here. I get Beverly Hills TIS or KSJX most times. Hope RW's job is going well. 73

Mike Sanburn, PO Box 1256, Bellflower CA 90707-1256

mikesanburn@hotmail.com

Greetings, this first week in August has many activities going on. To start with, I'd like to thank Eric Bueneman for being our "bridge to the 21st century" – publishing the DX Monitor for the last couple years (I'm looking forward to the return of the grapevine column also.). Now a really big thanks to Rich Toebe for taking on this task. All of us who received the HDXM are very grateful. I plan on continuing with my little pet projects, publicizing the club and supporting or hosting conventions. No sooner that this year's event in St. Louis + Pittsburgh end, I'll be starting work on the next one. I'm always surfing the web, searching for new goodies for an auction and prize drawings. I remembered that CHEZ used to have a nice T-shirt, so I found their website at www.chez.com. But before I went there I tried www.chez.ca ... and was rather amused by what I saw. (disclaimer: don't log on this site if you are easily offended, hi). I'm reading about a lot of call changes and applications for 50 KW power increases these days. This new KBJA-1640 in Sandy Utah seems to pack a punch with their signal. It would be nice to tour an X-bander one day. Kudos to Pat Martin on his 100% ratio of X-band loggings! I'm certainly not looking forward to having a local on 1690. This pest TIS on 1700 from Cerritos College is bad enough. (not to knock the school, I do have 4 degrees from there and one of them is in Communications.) Don't forget to support your C.P.C. Good DX, 73

EASTERN DX FORUM

Richard C. Evans - 7416 Hearthstone Way - Indianapolis IN 46227-7923

E-mail: REvans5435@aol.com

DEADLINES: Sundays

rclaywatts@webtv.net (R.C. Watts)

Hi. Just wanted to say goodbye to the hard DX Monitor. a big loss to the hobby. Can see some other newsletters going the same way, due to lack of volunteers, plus escalating costs of printing and postage. Not been doing much listening. Always liked to QSL so the sad return rate past couple years has kind of put a damper on it for me. Was shocked by high price on new m street directory. Will pass on it! Buy the NRC log and fill in from the web, I guess. That thing has taken up a lot of my time. Became interested in hearing those exotic webcasts, then got into radio museum web sites. Have not visited any radio stations in awhile and miss the freedom to attend whatever radio convention I want. Well, everything changes. Lotsa luck to IRCA and best of summer DX to all of you + + + + Col. DX

DXradio@webtv.net (Ray Bauernhuber)

Hi everyone! I have to say "Thank You!" to Eric Bueneman for his 2 years of hard work and dedication publishing the HDXM! And let's not forget Ralph Sanserino for all his years of hard work also! Sometimes we take it for granted when our Monitor arrives in the mail; behind each issue is a full team of editor's and publishers (let's not forget Phil Bytheway publishing our SDXM) and I say thank you for your dedication and time! Now, thank God, Rich Toebe has stepped up to publish the hard Monitor! The idea of losing our hard copy was hard to fathom. Thank you Rich and good luck with your publishing endeavor. And! All members reporting: meet your respective editor's deadlines so Rich can have adequate time to publish each issue. With all that I say 73 de DX - Ray Bauernhuber

Karl J. Zuk, 15 Flintlock Ridge Road, Katonah, NY 10536-2510

I've been out of circulation for a while, so here is a brief re-intro. This is my 19th year with IRCA. I have served as editor of Eastern DX Roundup, and as a Board member and President. Since the autumn of 1999, I have been engrossed in studying. I worked long hours, through several exams, to earn an extra class amateur radio license. My call sign is N2KZ. I continued my studying to earn a GROL (General Radiotelephone Operator License). This exam concentrated on avionics and marine electronics. During this year and a half, I have also been studying and teaching Morse code. I am most regularly found sending CW on 80, 40 and 10 meters. My goal is to eventually concentrate on 160 meter CW, just 100 kcs or so above our band. I find CW pleasant and relaxing. Fellow CW ops. share a great camaraderie in their mutual interest. It is fascinating to me how similar the propagation of 80 and 40 meters is to BCB medium wave. They share the magic hours of SRS and SSS, grayline skip, winter long path skip and middle of the night DX surprises. I routinely operate considerably under 100 watts and converse within the same range you can expect from common nighttime BCB reception. I have always been a casual DXer listening for enjoyment and content. Besides BCB DX, I enjoy longwave and TV DX. My two best DX catches: pulling through and verifying a 100 milliwatt BCB medfer from Ontario, and recently working a station in New Zealand while sending CW driving in my car on 10 meters with just 25 watts. Things have changed a great deal since I began DXing on a two transistor portable back in 1959. I'm looking forward to hearing music again on KB 1520 from Buffalo, NY. Does anyone still remember Jackson Armstrong and Casey Petrosky on the overnights at KB? My staples were WMCA, WABC and WINS in New York, and WOWO, WKBW and CKLW. I always needed a sixth button on my car radio! I also remember listening to the Saturday night Jamboree and all night music from WWVA Wheeling, WV. TRF analog car radios were so sensitive and quiet back then. Digital electronics are so noisy and complicated. Just use an all-American five coupled to a nice longwire and a good ground. Nearly everything I use to DX or ham with contains tubes. If it doesn't glow, it doesn't go! Many thanks to Eric for his fine work and Rich for continuing the tradition of our club and DX Monitor. Have a great summer! 73 de N2KZ Karl.

Rick Evans, 7416 Hearthstone Way, Indianapolis, Indiana 46227

Karl, congrats on your amateur license work. My brother-in-law has the highest one, as far as I know. I was always fascinated by watching him work the key and being able to translate it for me at the same time. I'm thinking I can see the end of the extreme overtime at work on my main job, but, at the same time, I will be picking up some extra hours at my part-time job. (However, I had to cut back there during the spring so, actually, I will be carrying the same moonlight hours I was back in the early spring. The good part there is that they will be during the late night shift, rather than during the evening. It will fit in better with my weekday sleeping habits.) I haven't done much DXing during the past year with most of my new stations being heard at work while trying to find some decent to listen to at 0400. I remember the stations which Karl mentioned. Even though I was in the Chicago area, I could hear WMCA-570 from time to time, but not WINS that much. I also remember rock on WBZ-1030. Anyone else remember when WJJD-1160 played rock, before they went country, then big band so many years ago. I stopped listening to rock in 1967 when it went acid. One of the kids in my office plays rap music, but it's a low key form and not as bad as I had been afraid it would be. (Now if he would just quit trying to sing along with it, hi...) Still, I tend to pull out my radio and listen to WMYS-1430 with their standards and oldies (MoYL format type music) or WNTS-1590 with their southern gospel in the evenings. Only problem is that putting an AM radio near a computer tube is like putting that radio near a television that's on -- same noise and whistles in the background. Gotta run. 73.

2001 IRCA E-MAIL DIRECTORY

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The IRCA E-Mail Directory is an unsanctioned, unofficial effort. In general, I contact the member in question to request permission for inclusion. A negative means the member's e-mail address will not be included. *= changed since last transmittal. 28 August 2001

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IRCA BOOKSTORE LIST (7-31-01)

IRCA Mexican Log, 6th Edition (Winter 2000)

The IRCA MEXICAN LOG lists all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, formats, networks and notes. In addition, stations that have changed frequency since 1998 are cross-referenced on the old frequency. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call and day/night power. This is an indispensable reference for anyone who hears Mexican radio stations. Size is 8 1/2" x 11" and three hole punched for easy binding.

Prices: IRCA members - \$8.00 (US/Canada/Mexico/sea mail), \$9.00 (rest of the Americas airmail), \$9.50 (Europe/Asia airmail), \$10.00 (Australia/New Zealand airmail). Non-members: add \$2.00 to the above prices.

IRCA TIS/HAR List (Winter 2000)

Completely revised by IRCA member Bill Harms to 9/00, the IRCA "TIS/HAR LIST" includes AM/FM and TV lists from the US and Canada. This 28 page "DX Aid" is available for \$5.00. Non-IRCA members, add \$1.00. Overseas, add \$0.50.

IRCA AM Slogans List (Fall 2000)

Completely revised by IRCA member Rich Toebe to 2/00 and includes X-Band stations as well. This 24 page "DX Aid" can be yours for only \$5.00 through the IRCA Bookstore. Non-IRCA members, add \$1.00. Overseas, add \$0.50.

IRCA Foreign Log

IRCA Foreign Log #10 is NOW available. This edition contains ALL the SDXM DXWW-E and DXWW-W tips from 9/96 to 7/99... almost three years of material! All collated and in frequency order by TA, PA and TP for each DXWW column. Prices: IRCA members - \$10.00 (US/Canada/Mexico/sea mail), \$11.00 (rest of the Americas airmail), \$11.50 (Europe/Asia airmail), \$12.00 (Australia/New Zealand airmail). Non-members: add \$2.00 to the above prices.

The IRCA has published nine additional volumes of the IRCA Foreign Log. Each volume contains the several hundred actual tips that were reported to the DXWW sections during an entire year, compiled and retyped in a book format. In addition, special features include articles on foreign DXing (volumes 6, 7 and 8), utility lists (volumes 7 and 8), shortwave parallels (volume 8) and BCB propagation (volumes 6, 7 and 8). The IRCA Bookstore still has volumes 3, 4, 6, 7 and 8 of the IRCA Foreign Log available for \$2.50 each (overseas airmail add \$2.50/book).

A DXers TECHNICAL GUIDE

Now in its 3rd edition (published early 1998), this 155 page book answers questions on receiver and antenna theory (how to improve their performance), how audio filters and loop antennas can improve DX (and hints on their construction), how to build a Beverage and phasing unit, and much more. Only \$10.00 for IRCA members, \$12.00 for non-members (overseas airmail add \$2.50).

Sunrise/Sunset Maps

12 maps showing 15 minute sunset and sunrise times for the US and 12 maps showing hourly sunset and sunrise times for the World. Explanation includes use of the maps and examples of DX made possible by knowledge of SR/SS times.

Prices: IRCA members - \$2.25 (US/Canada/Mexico/sea mail), \$2.75 (rest of the Americas airmail), \$3.00 (Europe/Asia airmail), \$3.50 (Australia/New Zealand airmail). Non-members: add \$1.00 to the above prices.

An Introduction to Broadcast Band DXing

This tri-folded brochure is ideal for explaining the Broadcast Band DXing hobby and the IRCA. It can be included with reception reports and given to other interested folks. Sub

topics include: What is DXing?, Broadcasting's early years, The first DXers, Clubs helped listeners share, Our hobby today and DX clubs still unite listeners. It is two color printed on heavy stock. Price is \$0.35/brochure (US and Canada), \$1.00 (rest of the world). Minimum order is 10.

IRCA Stationery

Black/red masthead with the IRCA logo and name. Great for using when writing for verifications. 100 sheets, \$5.00 (US and Canada), \$7.50 (rest of the world).

To order any of the above items from the IRCA Bookstore, send the correct amount (in US funds payable to Phil Bytheway) to:

IRCA BOOKSTORE, 9705 MARY NW, SEATTLE WA 98117-2334

IRCA Reprints

The IRCA maintains a large file of articles that have appeared in past issues of DX Monitor. These articles cover a wide variety of topics, including: antenna theory and construction, tips for the foreign BCB DXer, how to improve your DXing skills, history of DXing and broadcasting, lists of stations by subject, construction projects and receiver modification, receiver reviews, medium wave propagation, and more. Copies are available for a nominal charge. For a complete list of reprints, send \$1.00 to:

IRCA Reprints, c/o Steve Ratzlaff, 1885 E Bayshore Rd Sp 90, E Palo Alto CA 94303

**THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)
PO BOX 60241, Lafayette, LA 70596**

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the Broadcast Band (510-1720 kHz). DX Monitor, the official publication of the IRCA, is published in "soft" form 40 times a year (weekly from September to April, twice monthly from May to August) and in printed form 35 times a year (weekly September to April, monthly May to August). DX Monitor contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a member of ANARC, the Association of North American Radio Clubs.

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Australia/NZ/Japan (group 4)	\$10	\$46	\$51
Rest of world (group 5)	\$10	\$43	\$48

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