



DX Monitor

Devoted Exclusively to
Broadcast Band DXing

December 24, 1983

Volume 21, Number 14

Issue Number 669

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The New Year is rapidly approaching. It may even have already arrived by the time some of you get this bulletin. 1984 is a special one for IRCA because it marks the club's 20th anniversary. The celebration won't occur until March, but in the meantime let's start thinking about how we can make that issue the biggest DX Monitor ever...perhaps that should be the issue where the entire club sends in a forum report, well---at least a high percentage at least, especially the long-time members. Or possibly we could have some other features in that issue, like selected DX Roundup/Worldwide reports from years gone by, a history of the club, articles on DXing in days gone by or thoughts on DXing in the future. If you have any suggestions or would like to volunteer an article, then feel free to get in touch with us. In the meantime, make a New Year's resolution to report often to these pages.

NEW DX WORLDWIDE EAST EDITOR

Well, not quite, but we're making progress. Effective immediately, send your DX Worldwide East reports to our temporary/interim editor: Don Erickson, 6059 Essex Street, Riverside, CA 92504. We think we've got a more permanent editor ready to take over sometime around February, and we'll let you know more about that later.

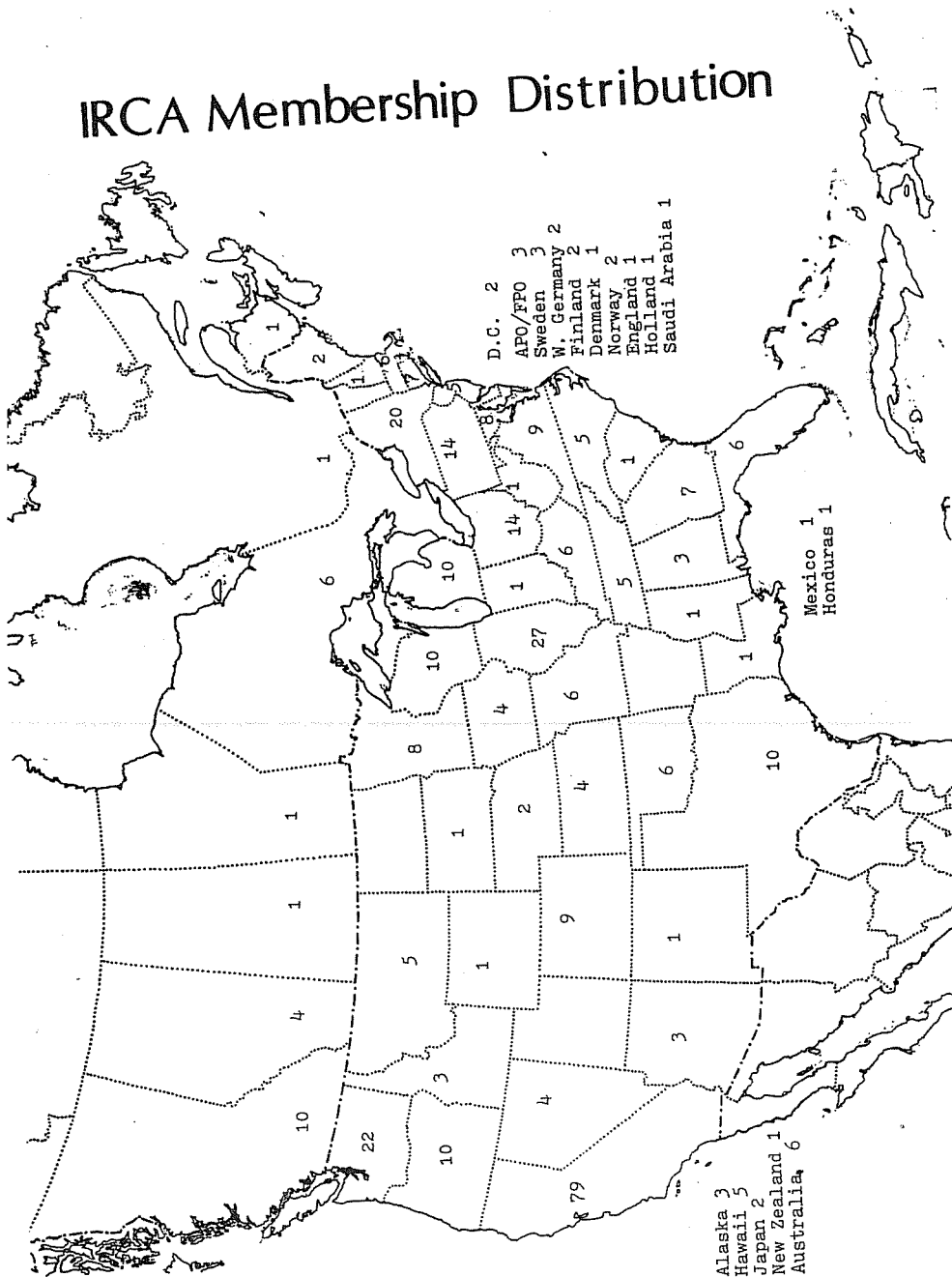
LAST CALL FOR ALMANAC UPDATER

Bill Hardy will be typing up Updater #1 to the IRCA Almanac (#3) shortly after Christmas, so if you've been procrastinating on sending in Almanac changes, etc., better do it right away. Bill's address is 2301 Pacific Avenue, Aberdeen WA 98520.

ODDS AND ENDS

KREW-1210 in Sunnyside, WA, is apparently interested in receiving reception reports (or at least likes to hear from distant listeners). They answered Jim Hilliker's reception report with a letter saying he was "this week's winner" in the KREW Listener's Contest and enclosed a check for \$12.10!... Possibly the solar activity is finally dropping to more favorable levels, WWV recently has announced solar flux values in the 80's and 90's on several occasions, an announcement akin to word of 80-90¢ per gallon gasoline.... David Reitz sent in a newspaper clipping saying WXXVW-1450's tower was felled by vandals, so Louisville and vicinity DXers might watch for schedule and/or signal changes from them...WASG-1140 ran a DX test for NRC on SM 12/18 but word reached us too late...don't know if the KBYE-890 test was on, too much KIXI-880 splat. See you next week and have a fun filled New Year's weekend.

IRCA Membership Distribution



GARY LARSON, 2806 LINCOLN, BURBANK, CA 91504 (213) 841-8249

Hello all. I'm once again a member of IRCA and glad to be back in touch with many people this way.

Weather here has been cold nights and warm days. I'm currently working for two security firms. Sunday and Monday in Sun Valley (fair for DX), Tuesday in Grenada Hills (better there) and this week watching Christmas trees at a 24-hour store. ("Deck the halls with poison ivy....., hi-RtH.)

Latest heard has been a prop. AM (??-RtH) on 540 using an all news format. I sent HQ a copy of a story mentioning this. Call is planned to be KKAR, as in KKAR 1220, now KLLT.

Been hearing KCLG here at LSS but I really don't have a good receiver. Interesting regarding KSES 1420, that there's a station there in the area. KJST 1420 Joshua Tree once was on in '69, but left the air a couple years later due to financial difficulties. They used a BFL format.

Enjoyed reading Jaisun's Journal. Good luck getting into a company that can use your knowledge, Jef.

I'd also like to ask that more members contribute to WDXF and get Ric to really work. Support your editors.

The Broadcasting Info column is very useful--keep up the good work, Greg.

Have gotten airchecks from a non-member in Branson, Missouri, with his local DX. Also have a friend at a Bakersfield FM who trades tapes. Then of course, there's Gary Parton in San Mateo.

Strange how I've heard of 1260 San Francisco planning a change to BFL, which may give KABL some competition. I'd probably stay with KABL.

Ric, what's the Saturday phone number connected to? Just curious. (To the other office--we own three in Humboldt County-RtH.)

Well, gotta run. Happy Holidays and 73 to all. (Welcome back to IRCA and without a doubt--hi--to WDXF-RtH.)

RIC HEALD, 1632 J ST., #3, EUREKA, CA 95501 (707) 443-1685 M-F 9-6 or (707) 443-2704 SAT 9-2 ppd

Happy 1984 to all! Certainly hope '84 will bring much more DX to all. Gary, glad to see you back around again. As I recall, you were without a doubt WDXF's most frequent reporter and cheerleader for the column. I don't think I have to say to you, "...keep 'em coming," hi.

Bill, I know the frustration Nancy must be going through. Like me here trying to get Havasu City 980 during KINS's power/pattern change. KRED 1480 actually goes silent for about ten seconds, and still haven't gotten anything during that pause. Oh well.

Still looking for Idaho on 1080. . .KWJJ is like a local here. Have tried several times for KXRO, but if you look at the NRC Nighttime Pattern book, Sacramento puts their major lobe right at us, although the minor lobe from KXRO which is pointed down the coast, should be able to penetrate KGNR.

DX this last week has taken a very definite back seat. I had forgotten what it was like at a travel agency right before Christmas in a recessionless year. Those ten-twelve hours days kind of drain your energy.

Gary is right. I do need more work for WDXF, and how do I get more work? By your contributions. If you've never reported to WDXF before, take a couple minutes and jot something down, even if it's just a few lines. We'd love to hear from y'all. Until next week, 73 de RtH. .

Did they send you a verie, Craig?

Cordless phone squeals on R.I. drug traffickers

■ WOONSOCKET, R.I.

Police have broken a major drug-selling operation and arrested 19 people -- including a police officer -- after listening in on a cordless-telephone frequency with an ordinary AM radio.

"This is the first time on the Eastern seaboard, and probably in the whole country, that police have been able to tap telephone conver-

sations without a wiretap," said Police Chief Joseph G. Balliarigton.

Those arrested after a six-week investigation included Leo and Claudette Delaurier of Woonsocket, who, police believe, used their posh home as the center of the drug operation that netted \$20,000 a week.

Hundreds of conversations on the cordless telephone in the Delaurier home were accidentally broadcast on the AM radio frequency, police said.

Patrolman James W. Trant, 45, a 15-year veteran Woonsocket police officer, was arrested after investigators searched his Blackstone, Mass., home and found "a large quantity" of marijuana in his bedroom, police said.

Trant was charged with possession of a controlled substance with intent to sell. He was suspended with pay.

The investigation began Nov. 2 when a Woonsocket woman reported to police she heard two men talking about drug deals on her AM radio. Police set up their own listening station and for the next six weeks monitored the station and recorded more than 100 hours of telephone conversations.

Seattle Times
12-18-83

EASTERN DX FORUM

(215) 368-8067
RICHARD EVANS
P.O. Box 1294
NORTH WALES, PA 19454

Reports from members living east of the Mississippi River
Deadlines: Fridays, but Saturdays will normally make it.

C. M. Stanbury II, RR #1, Ridgeway, Ontario L0S 1N0

In the Oct. Electronics Today International, I wrote "It is not yet known whether Radio Marti will share VOA's 1180 kHz channel or set up its own transmitter at the Marathon site". New information recently received from a (for the moment) confidential source clearly suggests that Radio Marti will come on the air simultaneously from Marathon on 1180 and from another site in the Florida keys on 530 kHz. If I have interpreted the evidence correctly, this is a comparatively surprising development. I don't think anyone expected a significant expansion of the BCB beyond its lower edge. Best.

John Clemmer, 4524 - 7th Street, East Moline, Illinois 61244

(Continued from last week...) Haven't done a lot of DX here but have nabbed some much wanted catches at SSS including KPFA-1360 Ark, WEPA-710 Miss., and KJEM-1190 Ark. Also caught KVKM-1330 Texas, one of my farthest regional SSS catches ever. Had a fun GTG w/some other Mid-western DXers at Indianapolis the end of October. Was fun to see Greene, Siegel, Merrill, Fleischaker, Mount and everyone else. My final vacation/trip before winter was a weekend jaunt to Minneapolis/St. Paul. Really a nice area--I was very impressed. Radio was very good. A brief listing of Mpls-St. Paul radio follows: KDWB-630 T40, KTCR-690 country, WCAL/KUOM-770 NPR, WCCO-830 MoR/NWS, KTIS-900 relig., KRSI-950 country, XKSS-980 ad/con (ex-WAYL), WMIN-1010 EZL/MoR/Stds, WDGX-1130 country, WWTC-1280 oldies, KSJN-1330 relig., KLBB-1400 (ex-KEEY) MYL, KGLD-1440 oldies, KSTP-1500 Newstalk, and KUXL-1570 Black. In Peoria, all 3 fulltime AM stns will carry Bradley University basketball games for the 2nd year. WIRL-1290, WXCL-1350, and WMBD-1470 all have separate feeds. Longtime voice of the Braves, Mort Cantor, is now on WXCL after 25 plus years on WIRL. WGIL-1400/WAAG-94.9 Galesburg, WZOE-1490/FM 98 and WBYS-FM 98 Canton will all carry the games using the WXCL feed. Enjoy the holidays. Go Illini in the Rose Bowl. 73.

Neil Kazaross, P. O. Box 1908, Ogunquit, Maine 03907

(Continued from last week...) There have been some truly excellent articles and contributions to DX technology from Mark Connelly this past year. Of major significance is Mark's development of the active parallel tuning phasing system to create phase nulls with wire shorter than 100 ft. As explained in Mark's recent articles the shorter wires require parallel tuning. Amplification is also necessary because with shorter wires after phasing there often isn't enough signal left over to produce good reception of the remaining DX. I have and use extensively the APT-2 (regenerative active parallel timer and amplifier) developed by Mark. The APT-2 offers good Q and excellent gain from longwave to about 8 MHz (tuning sharpness does drop off in the shortwave bands--but the APT-2 has the high Q where it's needed--in the LW and MW bands to reject spurs. The APT-2 is a tremendous addition to a DX setup consisting of longwires. The regeneration, created by feedback, offers a good improvement in selectivity--especially with receivers with poor selectivity. Bravo, Mark!! My antenna setup in Ogunquit is nearing completion. Currently, I have a 450 ft wire at about 140-145 deg. which will be extended and accompanied by a parallel Beverage (for phasing) off about 1/4 mile in length. This wire outperforms every other antenna for African and Caribbean DX between 800 and 1000 kHz. Weak stations like Montserrat-885 and Surinam-914 have very good to excellent during superior Cx while only fair to good on the loops. At times Barbados-900 has been local--like on the longwire!! I also have 2 longwires, about 150-175 feed in length, high in the trees running at about 75 deg. Thus, I can select any combination of the three to be phased in pairs to hopefully yield the desired DX after phasing. Since these are longer wires, I use a series tuned phasing unit--similar to the unit described in the IRCA tech. guide on page 51. The phased signal is fed into a Connelly APT-2 for amplification and increased tuning sharpness and possible use of regeneration. I have had the best results phasing wires of at least 100 ft in length with series tuning. Active amplifying devices in my opinion should be employed after

(Kazaross, cont...) the two phased signals are combined because, in my experience, I have been unable to maintain phase nulls for more than about 15 seconds using units which have active devices in them. Additionally, I've not experienced good results phasing an amplified loop (like the Sanserino) with a longwire. Deep nulls are hard to find and can't be maintained usually—regardless of the type of phasing unit used. Perhaps the transistors in the amplifying circuitry doesn't have good phase or amplitude stability. Placing transistors after the phasing has been done does not affect the null. I also have and use good loops like the Bohac Atlas, Sanserino, and Mdl. 73.

DSWCWI Aug. 1983



RX12PL
12 channel Broadcast Receiver for
USB, LSB, AM & phaselocked AM.

by Rafael Calabuig (member no. 557 of the DSWCI).

Part 1 - GENERAL

I have with great interest read the article "The high fidelity future of shortwave and mediumwave AM radio", published in the 1983 World Radio & TV Handbook, written by Lawrence Magne - a regular contributor to the annual test reports of new receiving equipment.

The above-mentioned article revealed very positively the new - made in Denmark - portable receivers from ESKA ELEKTRONIK ApS. Amongst the various models, the most interesting for SWlisteners and DX-ers is the model RX 12 PL, because this set is able to provide AM, LSB & USB reception.

Moreover, the RX 12 PL has the most significant feature: the Phased Locked (PLL) AM detection (see elsewhere in this article).

Consequently, I contacted the factory and obtained one set at my disposal for testing purposes. I put the RX 12 PL in my radio-shack, which consists of a Collins 390A/URR and a Drake TR7 (whose receiving section is similar to the R7 model).

By means of a special switch, I could without any trouble connect the same antenna to the 3 receivers. I used a 41.5 m long Windom antenna, connected via a 6:1 balun and coaxial cable to the antenna coupler.

For those of you, who did not read the article of LM, I would like to explain that the ESKA RX 12 PL is a fixed frequency receiver for the reception of max. 12 frequencies in the range of 750 kHz - 30 MHz (reception down to 50 kHz is possible, if required). These frequencies can easily be exchanged by means of plug-in crystals and coils. This operation can be performed even by the less technically-inclined persons.

The result of this test is as follows:

Dynamic range: - The dynamic range of the ESKA RX 12 PL model is, in my opinion much better than that of the Collins 390A/URR and comparable to the Drake TR7.

Overloading did not occur, in spite of the long antenna used during this test. Another test, which I previously made with a Sony CRF-1 receiver, indicated that the dynamic range of the ESKA RX 12 PL is undoubtedly better, than this Sony receiver.

The explanation of this phenomenon is as follows: The RX 12 PL model has no RF Amplifier, after the filters, the antenna signal enters directly into a dual-gate MOS-FET mixer, a principle also used in the Drake R7 and TR7.

Useable sensitivity:

In the SW-ranges below 15 MHz, the sensitivity of the RX 12 PL seems to be much better than that of the Collins 390A/URR and is comparable to the sensitivity of the Drake TR7.

Above 15 MHz, the sensitivity of the RX 12 PL is superior to the TR7, due to the RF gain incorporated in the high frequency range.

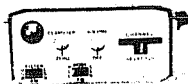
Circuit noise: - Comparable to the Collins 390A/URR and more quiet than the TR7. The RX 12 PL uses quartz crystals and this accounts for the freedom from synthesizer noise.

Stability: Much better than that of the TR7 and comparable to the Collins 390A/URR, with switched-on oven. The test took place 4 hours after the Collins was switched on.

Spurious response: - It is impossible to carry out this test, due to the lack of an external VFO in the RX 12 PL.

Skirt selectivity: - The same quality as used in the Collins 390A/URR and Drake TR7, very good for DX-purposes. The RX 12 PL uses high quality ceramic filters (1 filter for AM reception and 2 filters for SSB reception - see technical specifications).

SSB reception:
very clear and intelligible.



Top view of receiver



PLL, ECSS reception: - (ECSS means Exalted Carrier Selective Sideband). - As I have mentioned in the beginning of this article, the phased locked AM reception is the primary "virtue" of the ESKA receiver. The AM stations are received with an SSB detector, which phase locks on the AM station's carrier. The advantage of this system is that selective fading distortion (which occurs during reflection of radio waves in the ionosphere) is eliminated. The carrier, which disappears for a short while during selective fading, is replaced internally in the receiver. This can be accomplished by switching the "filter" switch into the AM position and the "mode" switch into the SSB position. Then the clarifier is used for tuning "Zerobeat" to the AM station's carrier, whereafter the "mode" switch is switched into the position PLL. In the PLL mode, USB & LSB can be selected independently, in this way the ECSS-reception can be fully realized. In practice this means that if we for example tune an AM station in the ECSS-mode, with a Drake R7 and manage after a long time to get the voice or the music to sound natural, we will have to retune again and again every 10 minutes. However, if instead of the Drake R7, the ESKA RX 12 PL is used under the same conditions, using the same sideband in the PLL-position, the "natural" sound of the speech or music will continue all the time, without the necessity of re-tuning.

Part 2 - Important for SWL's

"THE ESKA RX 12 PL CONNECTED TO OTHER RECEIVERS".

After having tested and appreciated the performance of the RX 12 PL receiver, I began to think about a receiver-combination, which would perform as a superb DX-machine, using the advantages of the RX 12 PL. This would be an ideal device both for SWL and DX-ing, wherefore I called the Director of ESKA Elektronik ApS, in order to discuss this problem with him.

We agreed that the most simple solution was to insert a coil and crystal in one of the 12 positions of the RX 12 PL for the reception of the IF (Intermediate Frequency) of any receiver, and connect the IF output of this receiver to the antenna-input of the RX 12 PL. (The sensitivity of the RX 12 PL receiver is reduced for the IF channels to approx. 50 uV for 10dB S+N/N, in order to improve large signal handling capabilities).

In this way, the ESKA RX 12 PL becomes a general coverage receiver.

The following was done:

(RC's article on the ESKA RX 12 PL - continued):

On the rear of the Collins 390A/URR, there is a jack for the 455 kHz IF output. Together with the ESKA RX 12 PL, equipped with a crystal for 455 kHz, an interconnection cable between the IF output of the Collins and the antenna input of the ESKA, the Collins 390A/URR will be converted into a superb DX-machine.

This procedure can be accomplished even by the non-technically inclined individuals in the following manner:

1. Disconnect the speaker-unit from the Collins 390.
2. Connect a suitable cable between the IF output of the Collins and the antenna input of the ESKA.
3. Switch the channel selector of the ESKA into the 455 kHz IF position.
4. For improved sound quality, connect the speaker-unit for the Collins (4-8 Ohm) to the earphone output of the ESKA.

This receiver combination performs according to my opinion better than any other actually existing receiver, regardless of its price class. All above-mentioned operations, can obviously be applied to any high stability receiver. Just connect the IF output of a given receiver to the ESKA RX 12 PL, equipped with a crystal corresponding to the IF frequency of that receiver.

For example, the JRC NRD-515 and the Collins R-392 have both 455 kHz IF outputs available, and the earlier described interconnection procedure applies for these two types of receivers as well.

For the Drake R7, which has a 50 kHz IF, the RX 12 PL must be equipped with a corresponding crystal and coil. It will be necessary to make an IF output inside the Drake R7, as this is not readily available.

Part 3. - The ESKA RX 12 PL as a portable receiver with built-in whip antenna.

This test took place during the OSWCI DX-meeting at my home near Copenhagen, in April 1983. The ESKA RX 12 PL was compared with the SONY ICF-2001, which we had at our disposal. This test clearly showed the superiority of the RX 12 PL over the SONY ICF-2001, specially for "difficult to catch" stations, which is mainly due to the high quality filters inside the ESKA, and its earlier mentioned phased locked AMsystem.

The major advantage of the SONY ICF-2001, is according to my opinion the high quality of its loudspeaker, which is specially evident when tuned to local or strong stations.

The RX 12 PL as a portable receiver has one main shortcoming, namely its 12 fixed channels, regardless of the fact that the exchange of crystals and antenna coils is very simple, even for the less technically-minded individuals.

The audio quality of the built-in loudspeaker is very intelligible, although somewhat crispy, with the tone-switch in its "high" position.

However, this receiver - as a portable - has been aimed at and built for SWL & DX applications, e.g. travellers or residents who wish to listen to programmes from their country of origin, giving optimal intelligibility and easy operation.

List prices (excl. value added tax (Danish MOMS)):

The RX 12 PL Dkr 1795.-
Crystals and coils ... Dkr 80.-/each

Manufacturer: ESKA Elektronik ApS
Mølløstestræde 5, DK-3400 Hillerød
DENMARK

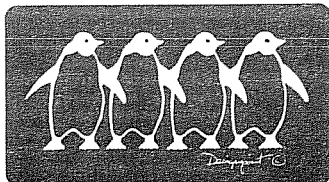
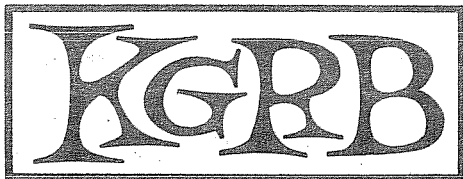
TECHNICAL SPECIFICATIONS of the ESKA RX 12 PL:

- SELEKTIVITET *****
- SELECTIVITY
- USB 2.0 kHz at -6dB & 4.0 kHz at -70dB
- LSB 2.0 kHz at -6dB & 4.0 kHz at -70dB
- AM 4.5 kHz at -6dB & 10 kHz at -70dB wide
- AM 2.0 kHz at -6dB & 4.0 kHz at -70dB narrow
- FREQUENCY RANGE
- 150 kHz - 30 MHz
- The receiver uses plug-in crystals and antenna coils, for fast frequency changing.
- SENSITIVITY
- 0.5 uV for 10 dB S+N/N
- Excellent overload properties.
- AGC RANGE
- 90dB
- AGC TIME CONSTANT (SSB)
- Fast attack/slow release, attack 20ms and release 3 sec.
- AGC TIME CONSTANT (AM)
- Fast attack/fast release attack 20ms and release 0.3 sec.
- CLARIFIER RANGE
- ± 1.5 kHz
- FREQUENCY TOLERANCE
- ± 1.0 kHz or less
- I.F. FREQUENCY
- Double conversion 10.7 MHz & 455 kHz
- LOCK RANGE
- ± 200 Hz in position AM-PLL
- AUDIO OUTPUT
- 1 Watt max.
- TOPE CONTROL
- 3 position switch Low-Medium-High.
- LOUDSPEAKER DIAMETER
- 77 mm (3 inches)
- BATTERY LOW INDICATOR
- Red light appears when battery voltage is below 4V
- BATTERIES
- 4x1.5 V penlight batteries, size AA (UM3) or 4x1.2 V rechargeable NiCd batteries 500 mA/h
- POWER CONSUMPTION
- AM: 30 mA, SSB: 40 mA
- BATTERY LIFE TIME
- Normal batteries: approx. 30 hours
- Alkaline batteries: approx. 60 hours
- Rechargeable batteries: approx. 15 hours (betw.rech.)
- INPUTS (3.5 mm JACK)
- Battery charger & external antenna (50-100 Ohm)
- External VFO via tape recorder output.
- OUTPUTS (3.5 mm JACK)
- Tape recorder, earphone/external speaker.
- DIMENSIONS
- 195 (H) x 105 (B) x 50 (D) mm
- 7.6 x 4.1 x 2 inches
- WEIGHT 650 g (1.5 lbs)
- WARRANTY = 1 year on manufacturing & components.

Any questions about this receiver and the interconnection to other receivers will be answered. PLEASE WRITE TO ME (and enclose an IRC-coupon).

RAFAEL CALABUIG
Langaavej 19
DK-2650 Hvidovre/Copenhagen
DENMARK Phone: +45 1 491067

DIAL AM RADIO 90



Deviant reporter straightened

Vladimir Danchev is back to work. He's employed at the English-language section of Radio Moscow's World Service.

It seems that when Russian troops entered Afghanistan to politely discuss things with the snarling imperialist dogs, Danchev got on the air and said that the Afghan people were defending their country against "Soviet occupants" and struggling against Soviet "invaders." He did this at least three times.

Such comments represent a deviation from policy and suggest

that the commentator is suffering from a mental disorder. Medical science is very advanced in the Kremlin.

So half a platoon or so of beefy diagnosticians from a psychiatric hospital met Danchev at the studio and said: "You being very sick. Come. We have doktor."

That was a while ago. And now, on Wednesday in fact, a spokesman at Radio Moscow reported that Danchev has "been cured" in yet another medical breakthrough and that he is back to work and doing a great job.

Danchev, however, has not been heard on the air, and the spokesman didn't say what type of work he's doing around the office.

But we'll bet there isn't a dirty ash tray or a full waste basket in the whole of Radio Moscow since Danchev returned.

Right: San Jose Mercury News 12-15-83, via Robert Wien
Below: Radio Active, 10/83 via Jim Hilliker



Science And Technology by Michael Rau

Breakthrough For Daytimers

As a result of the FCC's decision of September 9, 1983, most daytime-only AM radio stations (daytimers) will be permitted to operate up to two hours post-sunset. Additionally, many previously ineligible stations will be permitted to operate up to two hours pre-sunrise. Maximum power for these stations before local sunrise and after local sunset is 500 watts. Notifications of the technical parameters for extended operations are expected to be issued by the FCC by October 30, 1983. No applications are required; however, extended operations may not begin until specifically authorized by the FCC. The purpose of this article is to present the FCC's recent decision within the context of its history as well as the technical opportunities and constraints inherent in the existing AM allocations system.

History

Extended hours of operation for daytimers has been a hotly contested issue for many, many years. On the one hand, licensed full-time radio stations are anxious to protect their existing service areas; on the other hand, daytimers, often small market broadcasters, see extended hours of operation as a sure way to improve their facilities and hence their investments. At present, there are approximately 2,400 licensed daytimers out of nearly 4,900 total commercial AM radio stations. Thus, over the years, daytime issues have found the radio broadcast industry split into roughly equal halves.

Before 1940, the FCC permitted daytimers to sign-on regularly at 6:00 a.m., regardless of the actual time of local sunrise. Since then, however, the primary hours of operation have been considered to be the hours between local sunrise and local sunset. These times are determined for each month based on the times of local sunrise and sunset as of the fifteenth of the month, with the time being rounded to the nearest quarter-hour. In the late 1950s, the FCC

permitted daytimers to operate before local sunrise and, at the same time, allowed full-time facilities starting at 4:00 a.m. These operations were subject to discontinuance upon complaint by any protected station that claimed to be receiving objectionable interference.

By the early 1960s, the number of operational AM stations had increased to such an extent that the FCC began receiving numerous interference complaints. To avoid further proliferation of interference, the FCC began a rule making proceeding that, when completed in 1967, established the basis for today's authorized pre-sunrise operations. Until recently, no serious consideration has been given to extending daytimer hours of operation post-sunset, even though in 1968 the U.S. agreed with Mexico to permit post-sunset operation year-round until 6:00 p.m. with a maximum power of 500 watts.

In the 1970s, all was quiet for daytimers on the regulatory front. Still, the issue was far from dead; substantial activity was taking place in engineering circles. Work was well underway on new descriptions of AM radio wave propagation during the "transitional period," generally referred to as the two hour period immediately before local sunrise and after local sunset. For a radio wave, the transitional period is neither day nor night; it is instead a kind of twilight, with propagation conditions that are continually changing. Using data gathered as early as the 1930s together with a great deal of more recent data, industry and government engineers developed curves, called "diurnal curves," that more accurately predict levels of AM service and interference during transitional periods. Unbeknownst to the people working on these curves, they came to play a key role in the FCC's daytimer proceeding.

Finally, prompted primarily by a *Petition for Rule Making* filed by the National Telecommunications and Information Administration (NTIA), in August 1982 the FCC began a

comprehensive rule making proceeding examining the case for further extension of daytimer hours of operation, both pre-sunrise and post-sunset. This rule making resulted in the FCC's September 9 decision authorizing extended hours of operation. Not all issues were resolved at this time. The few remaining issues may well be addressed in the near future.

Some Additional Background

AM full-time radio stations are allocated in several different classes, where each class has its own operational and technical characteristics. Class I stations, commonly referred to as "clear channel" stations, are the only class of station entitled to protection of its skywave—that portion of the station's emitted power that, for every station, at night, has the potential to travel long distances and cause interference to the useful service areas of other stations. For clear channel stations, the skywave is protected such that useful service is provided for distances on the order of 750 miles from the clear channel station. Full-time stations that share frequencies with clear channel radio stations are denoted "Class II." Among other requirements, these stations must protect the skywave service of the co-channel Class I.

Another full-time category of station is "Class III." These are "regional" stations that operate with a maximum power of 5,000 watts and often use directional antennas to protect other stations. So-called "local" stations are denoted "Class IV" and operate at present with a maximum power of 1,000 watts day and 250 watts night. The FCC is expected to shortly release proposals designed to increase allowable nighttime power for these stations to 1,000 watts. Generally, a daytimer is restricted to either Class II or III operation. They are then denoted Class II-D, or Class III-D. Most daytimers are Class III-D.

One final point. Pursuant to the 1950 North American Regional Broadcast Agreement (NARBA), Canada, Mexico,

and several other countries were accorded "priority" on a number of clear channels. This means that for these channels, the Class I station is found in another country besides the U.S. In this case, U.S. Class II stations here must provide protection to either the skywave service area of the foreign Class I or the U.S. border, whichever is further away. No station is entitled to protection inside another country.

The FCC's September 9 Decision

Now that we understand the history and background, what exactly did the FCC do on September 9, and how did they manage to reconcile the apparently incompatible goals of extending daytime hours and protecting full-time service?

The development of "diurnal curves" allowed the FCC to resolve what otherwise were mutually exclusive objectives. A technical solution became a political solution as well.

Perhaps a brief analogy would reveal how useful diurnal curves can be to radio engineers. Prior to their development, calculating interference during the transitional period was a bit like having a yardstick whose smallest undivided section is the foot. Using this theoretical yardstick, only measurements of one, two, or three feet would be permitted, so if a certain calculation of distance yielded two and one-half feet, to prevent overshoot the result would have to be conservatively kept at two feet. Well, the diurnal curves did for radio engineers what a yardstick with inches as well as feet did for carpenters. It became possible to do a better job, a more precise calculation, and to extend daytime hours of operation while, at the same time, preserving existing nighttime service.

As a result of the FCC's decision, Class III-D stations will be permitted to extend their hours of operation year-round to a maximum of two hours after sunset, with a maximum power of 500 watts. Actual power levels will be calculated using diurnal curves, and will be reduced to provide protection to co-channel full-time stations.

Class II-D stations will also be permitted to extend their hours of operation with power levels reduced according to the diurnal curves. Protection will be afforded to the co-channel Class I

station's skywave service area, or the U.S. border if the Class I station is in a different country and its skywave service extends into the U.S.

Implementation

The FCC will use its computer facilities to calculate maximum permissible operation powers and times. They have indicated that all calculations and related station notifications should be completed by the end of October. Power levels for Class III-D stations will average 200 to 300 watts, although many stations will have operating powers less than 100 watts and some stations will be entitled to a power of as much as 500 watts. Class II-D stations are subject to the same maximum power ceiling; however, because of the need to protect the skywave service of co-channel Class I stations, average permissible powers for these stations probably will be on the order of 10 watts. Some stations will have greater power levels and some stations may have less.

It is estimated that 110 out of 2,400 stations, or about 4.6%, will be unable to extend their hours beyond local sunset. These are Class II-D stations that are both west of the dominant co-channel Class I stations and *inside* its protected skywave contour. Because darkness occurs first in the east and moves progressively west, when local sunset occurs for these daytimers it is already dark at the co-channel Class I to the east. The Class I's skywave has begun to develop. Accordingly, any extended hours operation is likely to cause interference. However, even though these stations are restricted from extended operation post-sunset, they in fact enjoy greater operating "freedom" than other Class II's will when operating pre-sunrise. Here, the situation is reversed: sunrise occurs first at the eastern Class I, enabling daytimers located to the west to operate pre-sunrise without causing interference. Other Class II-D stations located east of their respective Class I's will have severely restricted pre-sunrise opportunities because, at the time of the Class II's local sunrise, it is still nighttime at the western Class I.

There are three obstacles to full and complete implementation of extended hours for daytimers. One is the conclusion of an appropriate agreement with

the Government of Canada; another is the conclusion of a similar agreement with the Government of Mexico; and the final obstacle is yet another agreement with the Bahamas. The Canadian agreement is expected to be finalized by the end of October and is compatible with the FCC's present schedule of computer calculations and notifications. This should not present much of a problem. Resolution of the Mexican agreement is not expected to be completed until early 1984; however, the existing Mexican agreement *already provides for post-sunset operation until 6:00 p.m. year round.* The Bahamas agreement unfortunately has not been started, although there is a chance the Bahaman Government will simply adopt an agreement similar to the U.S.-Canadian one, rather than commence a long negotiating process. This agreement will only affect daytimers on 1,540 kHz, the single clear channel on which the Bahamas enjoys priority.

In effect, then, except for daytimers on U.S. clear channels, final agreement between Canada and the U.S. will enable all daytimers except those (1) constrained by technical reasons or (2) operating on 1540 kHz to extend their hours of operation until 6:00 p.m. local time. When the remainder of the foreign agreements are signed, post-sunset operation will be permitted up to two hours after sunset year-round. Thus, daytimers would be entitled to operation until 10:00 p.m. during the summer months.

Conclusion

From an engineer's point of view, the recent controversial daytimers proceeding came to a logical, consistent, and rational outcome. A technical basis has been provided for pre-sunrise authorizations (FSRAs) and post-sunset authorizations (FSSAs). Importantly, the needs of both full-time stations, anxious to protect their service areas, and daytimers, looking toward an improvement in their facilities, have been met while maintaining spectrum integrity.

It isn't often in FCC matters that all sides to a dispute can come out with something to cheer about. □

Michael Rau is staff engineer for the NAB Department of Science and Technology.



Radio Nacional

1380 KHZ A.M.
106.1 MHZ F.M.
152.850 MHZ U. MOVIL

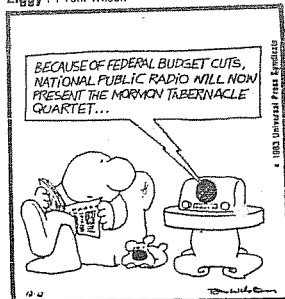
MUSICAL ENTERITA

General López Esq. Independencia
Teléfonos 582-4892 - 582-7211

Aparato 11
Santiago de los Caballeros
República Dominicana

via Robert Wien

Ziggy (Tom Wilson)



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EASTERN DX ROUNDUP

Bob Lazar

11011 Becontree Lake Drive, #410
Reston VA 22090

Deadlines: Wed. 12/21, Sat. 12/31, Mondays 1/9, 1/16, 1/23, etc.

- 570 WSYR NY Syracuse, 11/27 0106 "Central NY's News Leader, 570 WSYR, Syracuse", call in psychiatrist pgm, fair. (PEC-ME)
- 590 WVLK KY Lexington, 11/27 0425 fair w/ ID & ad in a mess. (RSR-ON)
- WOW NE Omaha, 11/7 0105 good w/ C&W mx, ID, talk by m. (RSR-ON)
- 600 WMT IA Cedar Rapids, 11/7 0100 fair w/ ID sung out, Master Control show. (RSR-ON) poor-fair mixed w/ 2 others 0635 11/29 w/ wx for Cedar Rapids & ID. (KAZ-ME)
- WFST ME Caribou, 12/4 1530 C&W mx, local ads, very good despite fades. (PEC-ME)
- 620\$WZON\$ME Bangor, 12/2 1512 (former WACZ) "The all new WZON, the rock & roll zone". Local wx & ads, new format w/ R&R. Good.(PEC-ME)
- WTMJ WI Milwaukee, very good 0637-0641 11/29 w/ talk show w/ school teacher from Racine on phone. Faded u/ WHEN/others, came back 0645 w/ CST TC & Milwaukee area ment. (KAZ-ME)
- 700\$WCAT\$MA Orange, mentioned that they would be on at 0600 for stormy wx this winter. 0649 11/29. (KAZ-ME)
- 710\$WQZW\$ME Monticello, turned out to be my unid stn. Daytimes u/ WOR w/ C&W mx. I thought this was Ontario; however this stn is located on Canadian border & has some ads, etc. for Canadians, wx for New Brunswick, etc. (KAZ-ME) 12/4 1544 male ancr saying goodbye for today, then standard FCC s/off info. Just barely audible u/ WOR between their talk. Poor. (PEC-ME)
- WGBS FL Miami, 11/24 1720 good w/ wx, ads, ID, business nx. In WOR null. (RSR-ON)
- 730 WPIT PA Pittsburgh, very good & strong w/ CKAC at 1659 s/off 12/3. (KAZ-ME)
- 790 WNWS FL S. Miami, 11/16 0003 very good w/ wx, ID as "News-talk" 79. Phone # 665-9697, ads, talk. 5kw and blowin' smoke. (RSR-ON)
- WTNY NY Watertown, 11/30 0558 pop mx into CBS network nx at 0600, jingle ID, local ads. Fair, mixing w/ WEAN. (PEC-ME)
- 800 WSWS VA Crewe, very good w/ SID & Blacksville ment 1642 11/27. (KAZ)
- 810 unid ?? 1614 11/27 ending Redskins FB & into ad ment Edgemont. W/ WGY briefly. Almanac says WCEC, but I called them & they said "no longer carry Skins games". Also no Edgemont on my maps - any ideas? (KAZ-ME) (I would guess WYRE, although I don't know if they carry Redskins games. There is an Edge-water near Annapolis.--ed)
- 810 WPED VA Crozet, poor-fair w/ WGY at 1700 12/3 s/off. Calls didn't sound like WPED. Clear Crozet ment. hrd. (KAZ-ME) (I don't have any info on any call change.--ed)
- 860 WSBS MA Great Barrington, briefly very good w/ list of local business applications 0706 11/30 before faded into mess w/ CJBC/CBH/ etc. (KAZ-ME)
- 870 WWL LA New Orleans, 12/4 0010 "News radio 87", "Stn of the Saints" football broadcast promo. Good briefly, then lost u/ unid Latin. (PEC-ME)
- WGTL NC Kannapolis, hrd w/ ID 1606 11/27 u/ WHCU/WFLO mix. (KAZ-ME)
- 880 WRFD OH Worthington, good o/ WCBS w/ ID, TC 1540 12/3. This is some-times u/ WCBS all day. (KAZ-ME)
- 900 WMOP FL Ocala, 12/8 1725 nx, wx, 66°F, good. (WPT-DC)
- 910 WALT MS Meridian, 11/13 2257 fair w/ ID, bumper sticker promo. (RSR)
- KGLC OK Miami, 11/14 1824 very good w/ ID as KGLC-super country, C&W mx. (RSR-ON)
- 920 WMEL FL Melbourne, 12/8 1722 spots, ID by m. Fair. (WPT-DC)
- WHJJ RI Providence, 11/21 0106 good w/ ID, talk, ads. (RSR-ON)
- 940 WINZ FL Miami, good atop Cuban Reloj w/ ID & nx 0556 11/30. (KAZ-ME)
- 950 KXJK AR Forrest City, 11/13 1800 good w/ ID by f, wx, TC as 5:00. (RSR-ON)
- 960 CKWS ON Kingston, 10/31 0650 good w/ Super cheque contest, ID, mx. (RSR-ON)
- 990 CBW MB Winnipeg, good, nicely atop CBY null w/ several CBC Radio ads & into pgm w/ speaker from Alberta. 2339-2342 12/3. (KAZ-ME)

900 WFLN PA Philadelphia, 1638 11/27 xlnt & way on top w/ talk line pgm. (KAZ-ME)

940 WCPC MS Houston, good w/ legal ID just prior to 1800 11/27 power reduction. (KAZ-ME) (Above two out of order, sorry, --ed)

1000 WSUM OH Parma, 11/13 very good w/ ID by m, TC, 2 m DJ's. (RSR-ON)

1020 WPEO IL Peoria, 11/14 1733 EZL mx, ads, ID, (rlgs mx). Behind KDKA null. (RSR-ON)

1060 WMCL IL McLeansboro, 11/14 1740 good w/ ads, C&W mx, ID by m. O/ KYW. (RSR-ON)

WNOE LA New Orleans, 11/14 very good w/ C&W mx, ID, m DJ. (RSR-ON)

*WHFB*MI Benton Harbor-St. Joseph, 11/7 0210 fair testing w/ ID's, m talking, mixing w/ KYW. (RSR-ON)

1080 WUFO NY Amherst, 11/28 1526 fair w/ wx, ID's, EZL mx, ads. Slop from 1070-CHOK. (RSR-ON) fair-good w/ WTIC w/ ID, "good morning" ment & disco mx 0702 11/30. (KAZ-ME)

1120\$WIZY\$GA Gordon, noted on its new freq at 1732 12/1 atop KMOX, announcing both AM & FM, then abruptly off. Though listed as WIZY, only call announced was WQXM. (CMS-ON)

1140*WLNT*TN Loudon, 11/21 0000 fair w/ s/on ID, testing, C&W mx, ID's. Behind WRVA. (RSR-ON)

1170 WCRR NY Cornwall-on-the-Hudson, fair w/ WWVA phased w/ ID 1627 12/3 & C&W instr mx. (KAZ-ME)

1180 WLDS IL Jacksonville, u/ WHAM w/ WLDS sports, highschool scores & downtown Jacksonville ad 0852 12/4. (KAZ-ME)

1200\$KFNW\$ND Fargo, good at 0901 12/4 begining rlgs pgm. I just missed s/on I guess. Amazing post-sunrise cx today! Stayed in until 0952 (2 hrs 34 min past ISR!!) Signal gradually deteriorated until 0952 fade out. I called stn & gave them pgm details, name, box #, etc. & girl confirmed reception and said engineer would QSL. Reception taped, what a surprise!!! (KAZ-ME)

WOAI TX San Antonio, 10/31 0657 fair w/ local ads, ID, m DJ. (RSR-ON)

1210 WKXN MI Saginaw, fair-good well o/ WCAU phase null w/ SID 0714 11/29. This has been mixed w/ WCAU all day at times this Dec. (KAZ)

1250 WEMP WI Milwaukee, 11/7 0206 very good w/ ID, wx, oldies mx. (RSR-ON)

1310 WDXI TN Jackson, 11/13 1743 good w/ ads, promo, ID, C&W mx. (RSR-ON)

1350 WRAD IA Gadsden, 11/13 1737 fair w/ ID, "fair promo", C&W mx. (RSR)

KGNT AL Des Moines, 11/16 0042 fair w/ spt for a TV show, ID by m. Behind WSLR. (RSR-ON)

1400 WJET PA Erie, 11/13 1640 good w/ rock mx, ID as "Jet radio". (RSR-ON)

1450 WEYZ PA Erie, 11/13 1550 fair w/ ID, ads, in a mess. (RSR-ON)

CHUC ON Cobourg, 11/30 0610 good w/ m reading history notes, ID, into mx. (RSR-ON)

1490 WBCE PA Levittown, 11/4 0209 fair w/ m w/ ID & contest promo. In a mess. (RSR-ON)

1500 unid ?? I've been noting SS here early eves & most often in AU cx. Today 12/3 2209 - non-AU cx but hrd SS thru WTOP phase null after lively SS mx, ment "este Navidad", sounds like possible US stn. Did a FL or GA stn go SS here? (KAZ-ME)

1510*WAHY*PA Anneville-Cleona, 11/22 0015 testing w/ tones, ID by m. Very good o/ WLAC. (RSR-ON)

1530\$WRXV\$ME Auburn, taped SID after NBC nx in WCKY phase null 1732 12/3. Power 500 watts per call. POST SUNSET DAYTIMER. (KAZ-ME)

1570\$WFLDM\$MA Westfield, u/ CKLM w/ CNN nx, ID, wx. 303 watts authorized after sunset & 2213 watts peak day power per call. Another POST SUNSET DAYTIMER. (KAZ-ME)

CKTA AB Taber, 11/7 0141 fair w/ C&W mx, ID by m DJ. 2nd AB stn, a surprise. (RSR-ON)

1580 WSRF FL Ft. Lauderdale, almost surely on late w/ day power/pattern. Xlnt w/ "Surf 16" ID w/ CBJ phased 1750 12/3. Never that strong on night power/pattern. (KAZ-ME)

WPGC MD Morningside, 11/13 1600 very good w/ rock mx, ID as WPGC-AM & FM. (RSR-ON)

*WLIM*NY Patchogue, 11/7 0157 good w/ mx, tones, ID's on test. (RSR)

1590 WXRS GA Swainsboro, 12/11 1732 s/off by m, no SSB. Fair to good. (WPT)

1600 WCPK VA Chesapeake, 11/13 1645 fair w/ ads, pgm promo, ID by m. (RSR)

1610 TIS ME Mt. Desert Isle, fair-good during deep Anguilla fade 1815-1816 11/30 w/ several reference to Bar Harbor. (KAZ-ME)

1616 KPRC NY NYC, pirate hrd 12/3 0126 by (WPT) and 11/21 0008 by (RSR).

KAZ - Neil Kazaross, Ogunquit, ME RSR - Robert S. Ross, London, ON
 PEC - Paul E. Chorosz, Saco, ME CMS - C.M. Stanbury, Ridgeway, ON
 WPT - Bill T₀wnshend, Washington, DC

CENTRAL DX ROUNDUP

Robert Kramer
6416 N. Richmond
Chicago, IL 60645

UNIDED, SPECIAL, CHANGES, et. al.

- 1000 Unid 12/5 0310 OC, KOMO? Why can't they give a CW ID every 15 min? TMJ-IL (Tom, KOMO isn't that hard to hear, you just have to be there at the right time. They test w/50 kw ND every other Mon. morn. They use OC & ID w/voice every 10-20 minutes. Usually they're about as strong as KSL (if WJJD is off. For those in the midwest & East who have WCFL problems, look for KOMO now. Once the new WCFL owners take over they probably will go NSP, ed.)
- 1140 WLMT TN LOUDON, 11/21 0005 poor u/WRVA w/C&W mx, ID & TT on ET. CR-IL
- 1170 WLKE WI WAUPUN, 1643 poor in WJJD slop w/ID & ment. of FM 99, ex-WGZS. CR-IL (Date?)
- 1580 WKKD IL AUBRA, 12/5 1900 GNN mx(? ed), ex-WFVR. TMJ-IL
- All da Rest
- 580 WTCM MI TRAVERSE CITY, 12/4 1827 mx, promo. DRW-IL
- KOBH SD HOT SPRINGS, 12/10 1929 blasting in on post sunset authority w/pop mx & RK-IL full ID. Was the only stn needed that I hrd during this great SSS opening//
- 610 KARV AR RUSSELLVILLE, 12/4 1800 fair w/"carve" ID & full ID. RK-IL
- 640 WWLS OK MOORE, 11/8 1923 fair w/ID, contemp. mx, lcl nx. JIS-IA
- WMSO TN COLLIERVILLE, 12/1 2301 fair w/ID & rel pgm. JIS-IA
- 730 WJMT WI MERRILL, 11/6 1711 fair in WGN slop w/lcl nx & wx. CR-IL
- 740 WSVQ TN HARROGATE, 12/4 0600 s/on w/CBL. TMJ-IL
- 810 KBHB SD STURGIS, 11/25 1823 good w/ad & MoR mx. JIS-IA
- 850 CKVL FQ VERDUN, 12/4 0615 fair o/KOA w/phone in pgm in FF. CR-IL
- 930 WSLI MS JACKSON, 11/15 0445 fair-good, s/on, ID power, etc. JIS-IA
- 970 KQAR MN AUSTIN, 11/25 1832 in briefly before buried by WDAY w/ID. CR-IL
- 1060 KBBN ID CALDWELL, 12/10 1900 fair o/KYW w/Rel. pgm & ID on the greatest SSS opening ever noted here. Unfortunately I didn't need this one. Hrd on DX Test in 1979. RK-IL
- KHYM TX GILMER, 11/12 0702 fair w/s/on. CR-IL
- 1070 KHMO MO HANITBAL, 11/19 0753 fair w/ID. CR-IL
- 1080 KWJJ OR PORTLAND, 12/10 1853-1930 poor, but faded up to good by 1900 w/spot, C&W mx & plenty of IDs. By far my best SSS catch & my furthest at SSS. Again, I hrd this one years ago on a MM when KRLD & WTIC were off, so it spoiled a little of the fun. RK-IL
- 1150 CKX MB BRANDON, 11/7 0217 sports nx & many ment. of Brandon. CR-IL, 12/4 1630 good w/Winnipeg Warrior Hockey. JIS-IA
- CJRC ON OTTAWA, 11/6 2122 fair o/CKOC w/FF pgm, II after 2130. CR-IL
- 1180 WKKE MS PEARL, 11/21 1820 like a local. DRW-IL
- 1190 KWMB MN WABASHA, 12/3 0718 poor u/WOWO w/C&W mx & ID. CR-IL
- WKGR MS BAY ST. LOUIS, 12/5 1800 very good at s/off Christian-Country Radio. DRW-IL
- 1200 KPNW ND WEST FARGO, 11/29 fair 1729 "Northwestern College Radio" KPNW. DRW-IL
- 1220 KWSA AR MCGHEE, 11/20 1800 fair at s/off w/SSB. CR-IL
- WSLM IN SALEM, 11/19 1736 rel pgm & s/off at 1745. CR-IL
- KZYM MO CAPE GIRARDEAU, 11/19 1745 poor w/s/off complaining of strict FCC regs. CR-IL
- 1250 KBRF MN FERGUS FALLS, 12/3 1742 fair-good w/hockey game. JIS-IA (Jerry, note correct call letters, ed.)
- 1260 KWYR SD WINNER, 12/10 1615 in already w/lcl spots. First sign of great opening to follow. This was 1:45 before their sunset. RK-IL
- 1290 WCOW WI SPARTA, 11/23 1749 fair-poor s/off SSB. DRW-IL
- 1310 WHEP AL FOLEY, 12/5 1743 weak w/spot then s/off. TMJ-IL
- 1330 WRAM IL MONMOUTH, 12/1 1714 poor-fair w/mx. JIS-IA (Good one Jerry, this is one of the rarest stations in Illinois. I've only hrd them once, ed.)
- 1350 WJBD IL SALEM, 11/19 0700. CR-IL (Details? ed.)
- KCHR MO CHARLESTON, 11/12 0657 at s/on w/rooster crows & ID. CR-IL
- 1360 KRYS TX CORPUS CHRISTI, 11/15 1956 good, ads, wx. JIS-IA
- 1370 KCRV MO CAUTHERSVILLE, 12/9 1645 fair w/s/off. CR-IL
- 1410 WKLO KS LEAVENWORTH, 12/6 1750 weak u/WRMN w/female ancr ID. TMJ-IL
- KWYO WY SHERIDAN, 12/10 1820 fair u/WRMN w/lcl spot. RK-IL
- 1440 WRBA IL NORMAL, 12/1 good slogan: "AM 14-40" YL DJ, disappeared at pattern change// JIS-IA
- 1460 KLTG ND DICKINSON, 12/10 1629 good w/C&W mx & nx. Atop the channel over an hour before local sunset. RK-IL
- 1480 WAME NC CHARLOTTE, 11/7 0152 light pop mx & ID. CR-IL
- WCIN OH CINCINNATI, 11/5 1800 fair w/ID "New CIN". CR-IL
- 1500 WNIZ IL ZION, 11/20 1608 poor u/WAKE w/class. mx & WNIB ID. // WNIB-FM. CR-IL
- 1510 KTTT NE COLUMBUS, 12/6 1800 s/off o/weak WLAC. TMJ-IL
- 1530 KFBK CA SACRAMENTO, 12/4 0633 presumed w/Larry King u/fading WCKY. TMJ-IL
- WYGR MI WYOMING, 11/28 1715 fair s/off. DRW-IL

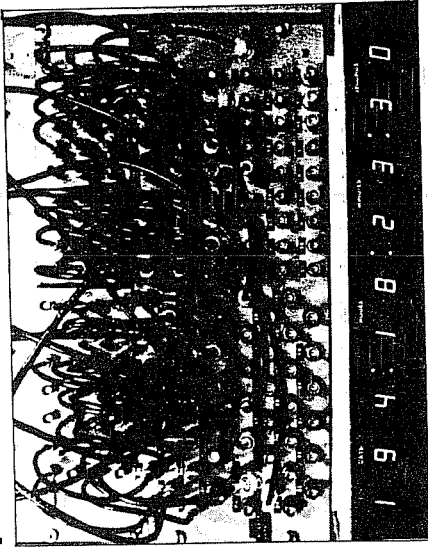
1560 WRIN IN RENSSELAER, 11/19 1425 Indiana-Purdue football, ID at commercial break. CR-IL
 1570 KQWC IA WEBSTER CITY, 11/12 1850 fair in mess w/football results, wx & s/off. CR-IL
 WCLE TN CLEVELAND, 11/19 1847 good w/football results. Disappeared abruptly at 1916. CR-IL
 1580 KXRX IA DAVENPORT, 11/28 1745 fair-poor on s/off. DRW-IL

JUST HANGING AROUND:

TMJ... Tom Jasinski 503 Jensen Shorewood, IL 60436
 (FRG-7, 2 1/2' loop)
 RK.... Not Dave Schmmmmmmmmid
 (R-1000, HQ-140X, HQ-129X, Radio West Loop, Kowalski Loop, spiral loop)
 CR.... Christos Rigas 4832 N. Drake Chicago, IL 60625
 (R-2000, Superadio, Kowalski Loop)
 JLS... Jerry Strawman 519- 30th St. N.E. Cedar Rapids, IA 52402
 (R-70, Random Wire, Ferrite Loop)
 DRW... Don Weinzler 6100 W. 97th St. Oak Lawn, IL 60453
 (Hallcrafters' SX-4C, SM-1)

Rocky Mtn News
 7-18-83
 Bill

Sailors keep radios tuned to Fort Collins



ROCKY MOUNTAIN NEWS STAFF PHOTOS BY JOHN GORDON

Atomic clock at Station WWV near Fort Collins shows Universal Coordinated Time on digital readout.

with the message:
 "New Signals from the Edge of the Rockies
 Arphax Chief Nivot watched get the clock over his land a century ago. He marked time by the moon and signaled with a snake. Today, WWV's signals based frequency and time radio signals reach all points of the world."
 WWV transmits on frequencies assigned internationally to standard time broadcasting, Milton said.
 Started in Washington, D.C. in 1923, WWV later beaoned the time from Greenbelt, Mary., and between 1943 and 1966

It was then moved to Colorado to be near the National Bureau of Standards in Boulder. The Fort Collins site was chosen partly because land near the National Bureau of Standards was too expensive and several other federal broadcast services — WWVB and WWVL — already were located there.

The tones are as useful as the time, according to Milton. They are used by the music industry to calibrate tuning forks, by power companies to control the flow of electricity, by radio and television stations to keep their signals straight.

The WWV site has been trimmed to three. Aided by computers, which are backed up by other computers, the crew feeds the weather, alerts and other reports into the information-packed broadcast.

Milton says he's baffled by the number of retired people who write him to say they frequently listen to the station's pulses, beeps and tones. The cards he gets from grateful mariners are easy to understand.

"After a hurricane has beaten up South America, we get letters thanking us for helping them avoid the storm," he said. "People are always asking what it needs the time and the frequency, but it is a life-and-death situation for some."

By DEBORAH FRAZIER
 Rocky Mountain News Staff Writer
FORT COLLINS — Sailors navigating the world's seven seas often find their way by tuning to a broadcast emanating from a small, squat cinderblock building set high and dry at the foot of the Rocky Mountains.

Station WWV, ensconced in a 460-acre meadow about five miles north of Fort Collins, broadcasts Universal Coordinated Time, formerly Greenwich mean time.

The station is owned and operated by the U.S. Commerce Department's National Bureau of Standards and broadcasts the time — down to the second — 24 hours a day, 365 days a year. The signal is heard around the globe and for people who need to know what time it is — exactly — it can be a lifesaver.

Time is location in ocean navigation. By matching the time with the position of a celestial body such as the sun or the North Star, sailors can plot their location.

"Before WWV, ships would carry many, many clocks," said John Milton, engineer in charge. "When Darwin made his famous voyage on the 'Beagle,' they had about 20 clocks. One man would do nothing but take care of the clocks."

Even small boats now have electronic navigational equipment, but salt water and rough weather sometimes send sailors back to WWV for a time fix. Large ocean liners and commercial ships that have multiple timekeeping systems still occasionally tune in to check the correct time.

"It's easier to carry a little radio receiver than a whole pile of clocks or extra equipment," said Milton, a danger man who works amid a cluster of long-distance transmission towers. "The sound of WWV is soothing, if somewhat repetitive, each minute or marked by a rhythmic pulsing not un-

"You can't have just two," explains Milton. "If you had only two and one was wrong, you wouldn't know which one was off. You need three."

Misplaced ships: are not the only audience. Shortwave radio listeners around the world send 20 to 30 cards a week, saying they received the signal.
 "It seems like every Japanese teenager has a short-wave radio," said Milton. "And we always get a bunch of cards just after Christmas when kids get radios as presents."

Milton replies to each with a folding postcard giving WWV's history and the transmission frequencies. On the front is a picture of the station and two Indians overlooking a wagon train settlement

WESTERN DX ROUNDUP

Nancy Hardy
2301 Pacific Avenue
Aberdeen, WA 98520

All times are
Eastern Local

Phone for hot WDXR tips: (206)532-6827 till 10pm(PLT)

DEADLINES: Tuesdays 12/27, 1/3, 1/10, 1/17, 1/24, 1/31, 2/7, 2/14, 2/21

REPORTERS FOR THIS ISSUE:

- (BB) Bill Elock-3907 S.E. Clay St.-Portland, OR 97216
R-390A, TRF, loop
- (NHP) Nick Hall-Patch-1538 Amphion St.-Victoria, BC V8R 4Z6
Transmogriified HRO, 3' box loop, 250' wires, phasing unit
- (BH) Bill Hardy-2301 Pacific Ave.-Aberdeen, WA 98520
FRG-7, SM-1
- (NH) Nancy Hardy-2301 Pacific Ave.-Aberdeen, WA 98520
FRG-7, SM-1
- (RtH) Ric Heald-1632 J St. #3-Eureka, CA 95501
FRG-7, SM-2
- (DKK) Don Kaskey-465 Burnett #1-San Francisco, CA 94131
Hammarlund 140X, SM-2
- (SMM) Steve Miltman-2248 West 37th Street-San Pedro, CA 90732
Realistic TRF, 3' wedge
- (DM) Don Moman-6815 12 Ave.-Edmonton, AB T6K 3J6
DX'ing near Stettler, AB w/R-70, 1000' NE Beverage, 100' random
- (RS) Rick Svajdlenka-3417 So. 252 Pl.-Kent, WA 98032
FRG-7000, 4½' wedge
- (PT) Pete Taylor-2614 Jackson-San Francisco, CA 94115
ICF-6700W
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio, GE long-range portable, SM-2
- (ØW) John Wilkins-4385 Hoyt St. #205-Wheat Ridge, CO 80033
R-1000, spiral loop

OF SPECIAL INTEREST:

- 560 KSF0 CA, San Francisco ownership changes from Golden West Broadcasters to King Broadcasting (ex-KYA-1260) Tues. 12/13 at 0300 (midnight Monday local time). Format will change slightly to include some current mx as well as nostalgia music. (PT-CA)
- 660 *CFPR* AB, Calgary 12/5 0558 tent. hrd w/TT, OC looping NE. Called stn at (405)291-0000 who confirmed it was them ET'ing at time. Ment. that they will be hitting the air on 1/10/84. May have ET'ed earlier in week, but unsure. New. (RW-CA)
- 800 KQIN WA, Burien began using its post-sunset pwr of 500w on 12/5. (RS-WA)
- 870 KIEV CA, Glendale Sa 12/3 2050 terror struck as I was doing a bandscan in the dead of night & hrd them on w/a Jack Benny comedy. Thought they finally went fulltime. At 2058: "This has been the first after sundown broadcast of KIEV--on the Greg Hunter Show." Relief settled in as they went into song, "The Party's Over." Then, "KIEV, Glendale, now concludes another day of broadcasting. We invite you to tune in tomorrow at 6am." Immediately off at 6pm PLT. (SMM-CA)
- 880 KIXI WA, Mercer Island-Seattle 12/12 1500 hourly legal ID now "KIXI, Mercer Island-Seattle." They had ID'd as "Mercer Island" the first few weeks after moving to 880 in Sept. 1982, then reverted to "Seattle" ID's pending full power. (PH-WA)
- 1020 KYXE WA, Selah-Yakima 12/12 0025-0110 noted legal ID as "Selah-Yakima" at 0100. GEN mx, deep fades, even at best w/KTNQ & sometimes nil. Per phone call, KYXE uses 5kw-D, 500w-N, U5 (DA-D, ND-N), day pattern protecting KWIQ Moses Lake, WA which has not yet moved from 1260. (PT-CA)
- 1050 KBLE WA, Seattle began using its post-sunset pwr of 474w on 12/5. (RS-WA)
- 1260 KOIT CA, San Francisco ex-KYA 12/13 0317 OM after BFL mx, w/first ID w/new calls: "From the new 12-60, KOIT, the music that's nice and easy every time." Had OC 0301½ (after KYA vacated) till BFL mx faded up 0304, then wall-to-wall BFL till this ID. Good and strong, CFRN nulled. (BH-WA)
+12/13 0317 ID after btfl mx, strong w/CFRN nulled. Bill just gave all the details, hi. (NH-WA)

OF SPECIAL INTEREST, continued:

- 1260 KYA CA, San Francisco ownership/format/call change occurs Tues. 12/13 at 0300 (midnight Monday local time). Call becomes KOIT-AM, format BFL mx, partial simulcast w/KOIT-FM-96.5. KYA owners King Broadcasting will take o/KSFO-560 at that hour. KYA callsign will remain on FM band, King Broadcasting retains KYA-FM-93.3 (ex-KLYT). (PT-CA)
+12/13 0300 final ID, a takeoff on General Patton telling everyone to tune oldies on KYA-FM. 0301:22 engineer let a quick "This is KSFO, San Francisco" slip through on 1260 but cut it off abruptly! Then 2½ min. dead air (OC) till KOIT's BFL mx faded up. CFRN nulled, KCYX s/off 0300 overrode part of the KYA farewell here. Interestingly, in the late 1960's & early 1970's, KYA's FM was called KOIT (a rocker, I think). Now, KYA-AM will be KOIT, & the FM will be KYA! (BH-WA)
- 1390 KMRY IA, Des Moines 12/4 0647 call change, ex-KCBC, very good sig on SM w/MYL-type mx, 0653 ID "40 years of memories on the new K-M-R-Y." (BW-CO)
- 1450 CHET BC, Chetwynd 12/4 1705 KONP phased to near nothing--it's almost exactly 180° from CHET so loop not much use. Christmas mx to 1700, missed ID if there was one, then nx. Wx was murky, but temps for Grande Prairie, Ft. St. John, Chetwynd, Dawson Creek, & almost positive "CJDC news" ment., then into relig. Great surprise for daytime, poor but steady signal. //CJDC-1350. (NHP-BC)
- 1560 KGHO WA, Hoquiam-Aberdeen 12/11 1401 "KGHO, AM & FM, Hoquiam-Aberdeen" is now the hourly legal ID for this local. Still IDs as "Hoquiam" at s/on & s/off, and on Casey Kasem's custom ID's during AM40 Sundays. (BH-WA)
- *****
- 540 KNAK UT, Delta 11/30 atop w/C&W mx 1845-1850. (DKK-CA)
- 580 KRSA AK, Petersburg 11/26 2200 at 750 miles, usually what I get when KYUK fades out. (HP-AK)
- 590 WOW NE, Omaha 12/4 0030 fair w/ID then nx. (DM-AB)
- 620 KIPA HI, Hilo 12/9 0448 "Rainbow Radio." (HP-AK)
- KGW OR, Portland 12/2 0708 second time this fall, after KGTL s/off. (HP-AK)
- 630 KJNO AK, Juneau 11/29 0229, signs off 0310. (HP-AK)
- 640 KFI CA, Los Angeles 12/7 0430 new slogan "AM Stereo for Southern California and Western America." (HP-AK)
- 660 ?CFFR? AB, Calgary suspected here 0940 12/3 w/TT, also during day 12/4. Fair signal, DF correct for Calgary. (NHP-BC)
+12/3 2236 test tones noted here, noted several time lately. In Stettler, they were the loudest signal on AM, even stronger than local CKSQ-1400! (DM-AB)
- 680 KBRW AK, Barrow 11/26 slogan "Top of the World Radio." (HP-AK)
KNBR CA, San Francisco 11/30 0648 when KBRW fades out or off the air. (HP-AK)
- 690 *WTIX* LA, New Orleans 12/2 0258 testing w/rock mx; test end at 0327 w/final ID. Fair sig, QRM from Cuba, KHEY. (BW-CO)
- 700 WLW OH, Cincinnati 12/3 2251 radar wx forecast, ID 2300. (DM-AB)
KFAM UT, Bountiful 11/13 0900 ID at this time, good signal, ment. "AM 7 hundred" (their usual "ID"), then UPI nx. (NHP-BC)
KFAM UT, N. Salt Lake City 12/5 0423-0443 EZL mx, ID at 0429. 0/u presumed WLW w/unID SS & TT in background. (RS-WA)
- 720 WGN IL, Chicago 12/3 2329 college ad, ID, into "Unshackled" relig program. (DM-AB)
- 740 KCBS CA, San Francisco is picking up Larry King beginning Tues. morning 12/13, per Larry's annet. on his 12/10 show. KSFO-560 is dropping him for IRCA favorite Al "Jazzbeaux" Collins, "starting Monday night, KSFO will be under new management." (BH-WA)
- 770 WABC NY, New York 12/3 2330 "Talk Radio 77 - WABC." Haven't hrd the east coast clears like this for a long time! (DM-AB)
KXA WA, Seattle w/light pop mx 11/28 u/KOB 0310-0330. ID 0328. (DKK-CA)
- 780 WBBM IL, Chicago 12/4 2335 fair w/wx and ID. (DM-AB)
KROW NV, Reno 11/27 0434 usually what I get when KNOM is off air. (HP-AK)
- 790 CFCW AB, Camrose 12/2 0640 after KCAM went off air. (HP-AK)
- 800 KBUH UT, Brigham City 11/13 1914 wx forecast "here at KBUH, it's 56°" & into rock mx. Good signal, dominating channel, even o/usual CJJC. (NHP-BC)

830 KABN AK, Long Island/Big Lake 10/26 1000. S/on by woman ending w/ "good morning Alaska, how you doin'?" Reference to Cabin Radio, then Joni Mitchell (?) song which they've played the couple of times I've hrd the s/on. (NHP-BC)

KIKI HI, Honolulu 12/2 0659 3rd time this fall, comes in more often than KABN which is only 210 miles. (HP-AK)

840 WHAS KY, Louisville good 12/3 2300 w/Billy Joel mx, "AM Stereo 84, WHAS" ID. (DM-AB)

880 KJJR MT, Whitefish 12/11 0641 fair to good thru KIXI w/C&W mx, KRVN evidently off Sun. mornings. DJ gave callsign, MST TC, temps for Kalispell & Whitefish. 0656 into ABC nx. New, never logged on 1400 kHz. Didn't this used to be pop or top 40? (BH-WA)

900 CJVI BC, Victoria 11/27 0344 when KNUI fades out. (HP-AK)

920 CKCQ BC, Quesnel 12/3 1951½ wx, ad, mx to 2000 nx, 2005½ sports. Good, mostly atop KXLY, KGAL & KOLO. Many "Radio Cariboo" slogans and ments of Quesnel. New. (NH-WA)

+12/6 2045-12/7 0200 in & out all evening, atop at times. 2045 sports report, lots of NHL & local hockey stories, mentioned Quesnel (pronounced "kwin-NELL"), "Radio Cariboo" mentioned twice. Atop, then faded w/KOLO, KGAL, KXLY nulled. 2120 "Quesnel business directory," included some Williams Lake ads. 2130 into "World Tomorrow." 2300-0200 Quesnel vs. Williams Lake junior hockey. Never hrd before. Strength of signal, and absence or weakness of other B.C. stns that night, make me wonder if they left the 10kw day power on. In again next night but not nearly so strong. (BH-WA)

930 KTKN AK, Ketchikan 11/29 coming in better this fall than last. What I usually get on 930 now. (HP-AK)

940 KPRE CA, Fresno 11/27 0408 when KDEO fades out. (HP-AK)

980 KFWJ AZ, Lake Havasu City 12/7 1920-1931 w/KUPI/KVLV. Way atop 1927 w/country-gospel song. Full s/off 1931 & into inst. SSB. (DKK-CA)

1020 KYXE WA, Selah-Yakima ID after nx, then into country mx 12/4 0004.

1030 WBZ MA, Boston good 12/3 2305 w/"Yield House" ad, IDs; well o/ KTWO on the NE Beverage. (DM-AB)

KTWO WY, Casper 12/2 0252 coming in better this fall. Still my only Wyoming stn. No WBZ since 8/28/83. (HP-AK)

1050 CFGP AB, Grande Prairie 12/1 0342 usually what I get on 1050. When CFGP comes in, I also get CJXX-1430. (HP-AK)

1080 KVNI ID, Coeur d'Alene 12/6 atop w/ads for Spokane merchants 1915, ID, C&W mx. 12/7 w/Spokane ads 1848-1852 o/KSCO/KWJJ. (DKK-CA)

1090 KING WA, Seattle 11/27 0359 1st time this fall. I usually get XEPRS when this freq. is coming in. (HP-AK)

+12/6 female anncr w/nx, local ads 1907-1915, o/XEPRS/KBOZ. Had bad KFAX-1100 splat tho. (DKK-CA)

1150 KBAI CA, Morro Bay 12/7 w/ID 1030, local ads, barely atop the din. (DKK-CA)

1170 KLOK CA, San Jose 11/27 0440 after KJNP off the air, first part of the "San Jose Pipeline to Alaska." (HP-AK)

1190 KADE CO, Boulder 12/1 roughing up KEX w/rock mx 0830-0845. Sports nx 0842, local ads & more rock. Doubt this their 52w PSA. (DKK-CA)

1240 KSON CA, San Diego 12/6 atop w/NBC nx 2000. Local nx & ads to 2008. KSON ID then more nx. QRM from KJOP & 190 others. (DKK-CA)

1250 KWSU WA, Pullman 12/2 s/on 0900 atop but soon lost to KHOT. (DKK)

1260 (KYA) CA, San Francisco 12/12 0300-0800 MM SP as usual. Rumor is this will be the final SP here; KOIT-FM is NSP and KOIT-AM should be as well. (BH-WA)

KPOW WY, Powell 12/2 0134 nx, wx, sports, then C&W mx and ads to 0159 s/off, including highlights of the station's history; slogans "K-Pow" & "The station with a spirit." Good, o/u KVSF. (ØW-CO)

1280 CJSL SK, Estevan 12/2 0743 second time this fall. (HP-AK)

1300 KROP CA, Brawley 12/5 w/C&W mx & ID 0055 u/KYNO/KWKW. In & out till their 0300 s/off. (DKK-CA)

KPMO CA, Mendocino 12/5 w/ads for Ft. Bragg merchants. 1016 C&W mx. Nicely atop till 1030. Time & ID 1025. (DKK-CA)

KPTL NV, Carson City 12/5 popped up w/ID 0324 thru QRM. (DKK-CA)

1310 KZZP AZ, Mesa atop 12/5 w/rock mx 0100-0300. SID 0205. About 5th different call I've gotten on this one. (DKK-CA)

KIOT CA, Barstow 12/5 briefly atop w/ads 1022. (DKK-CA)

KCRE CA, Crescent City 12/5 0918 nice signal o/KARY w/KDIA off, YL/OM team giving wx. (RW-CA)

+12/5 w/female giving nx 1004, local wx to 1008, temp, ID, more ads to 1010. (DKK-CA)

- 1310 (KDIA) CA, Oakland went poof in big windstorm 12/2, didn't return until sometime late 12/5. Thus loggings on 1300-1310-1320. (DKK-CA)
 +12/4 ??, 12/5 ?? off the last 2 days due to fierce windstorm that hit Bay Area. Still off 12/5 2347. (RW-CA)
 KDIA +12/6 0726 harder to get now that KGHX-1300 has come on the air 45 miles away. (HP-AK)
 KNPT OR, Newport 12/5 0215 briefly o/KZZP in KLIX null w/PSA, only hrd twice before. (RW-CA)
- 1320 KAWC AZ, Yuma 12/5 0833 fair o/KGNR w/KDIA-1310 off. NPR nx, unID SS way in background too. Early for KQIQ. (RW-CA)
 KQIQ CA, Lemoore 12/5 w/nx in SS 0959 way u/KGNR. ID 1000 in SS & EE by female, then more mx in SS. (DKK-CA)
- 1340 KORV CA, Oroville 12/8 atop w/ads & ID 1030. (DKK-CA)
 KRAM NV, Las Vegas 12/6 thru din w/0600 ID. (DKK-CA)
- 1350 CKEG BC, Nanaimo 12/6 2324½ promo for "Canadian Living at 11:15 each weekday morning on C-Keg Radio," into mx. Fair o/KSRO. New. (NH-WA)
 +12/9 0337 "C-K Radio". (HP-AK)
- 1360 KUIK OR, Hillsboro 12/2 0728 first time hrd, hard to get because AFRN dominates. My 218th stn. (HP-AK)
 +Is now fulltime & is strong here in Portland. 12/4. C&W mx. (BB-OR) (We've hrd this w/top 40 mx.--NH)
- 1370 KEEN CA, San Jose 11/27 0443 usually what I get on 1370. Second part of "San Jose Pipeline to Alaska." (HP-AK)
 CFOK AE, Westlock 11/27 1455 huge signal w/country mx, then a spot saying that OK Country would advertise your special event. Only a few db weaker than nearby KRKO-1380--rather fine for daytime DX! (NHP-EC) (was CHPQ off??--NH)
- 1380 KAGE MN, Winona 12/4 0649 hrd thru KOTA QRM w/YL s/on. (RW-CO)
 KOTA SD, Rapid City 12/2 0406 2nd time this fall, my only SD station. (HP-AK)
- 1410 KVEG NV, No. Las Vegas atop w/ID 12/7 1937 then local traffic cx. Heavy KRE-1400 splash. (DKK-CA)
- 1420 CJVR SK, Melfort 12/1 2353 3rd time this fall. (HP-AK)
- 1430 WIRE IN, Indianapolis 11/28 0315 ID & talk popped out of murk briefly. Nil to fair strength, and not hrd in some time. (NHP)
 CJXX AE, Grande Prairie 11/29 0300 what I usually get on 1430. When CJXX comes in, I can also get CFBP-1050. (HP-AK)
- 1440 CJOI AB, Wetaskiwin 11/27 1700 "More inspirational programming on CJOI" after half hour previous of religion. Poor to good, suspected KODL w/Seahawks game u/CJOI. Seemed a good daytime opening on 11/27. (NHP-EC)
- 1450 KRZY NM, Albuquerque 21/1 0600 CBS nx; 0605 wx, then pop tune on "Krazy Radio." (RW-CO)
- 1460 KDON CA, Salinas 11/28 0406 1st time this fall. (HP-AK)
- 1470 KUTY CA, Palmdale 12/12 0700 nice ID at the end of "Music Country Network," then AFR nx. Fair signal, all alone. New. Do I get a Penguin Pat for hearing this? (BH-WA) (Definitely not!! KUTY is one of my most-wanted & you didn't wake me up to hear them! You get 100 lashes w/the stiff penguin flipper.--NH)
- KWSL IA, Sioux City 12/4 0205 wx, YL DJ, then Elton John tune; briefly o/QRM. (RW-CO)
- 1480 WABE AL, Mobile 11/7 0312 "AM 14-80 WABE, Mobile's only soft-hits(?) station" faded up, fair to good, but soon gave way to a Talknet outlet. New. (NHP-EC) (Worthy of a Penguin Pat!--NH)
 KWUN CA, Concord 12/3 0647 ID & TC, w/DJ "...wesley." Now all I need is KNTA-1430 to complete Bay Area. (RTH-CA)
 +12/12 0617 fairly good signal, all alone w/top 40 "hit rock" mx. DJ ment. KWUN twice during record intro. & a contest to give away money. New. (BH-WA)
- KRED CA, Eureka 12/8 w/ID 0318 atop KAUN/KYOS. "K-Red Country." (DKK-CA)
- 1500 KHTT CA, San Jose 12/7 0412 third part of the "San Jose to Alaska Pipeline." (HP-AK)
 KTOL WA, Lacey says they use the Magnavox stereo system. (BH-WA)
 +12/3 1610 spot for Nashville Network, then KTOL ID, and into country mx. Fair w/CKAY phased out. (NHP-EC)
- 1540 KJZZ WA, Bellevue 11/28 w/jazz mx u/KZLA 0215-0218. Two clear IDs by female at 0218. Then atop KZLA for next 15 minutes. (DKK)
- 1550 KVAN WA, Vancouver 12/1 hard to get as KKHI dominates. (HP-AK)
- 1580 KLOU LA, Lake Charles 10/24 0100 "1580 KLOU" hrd at top of hour, & into Olivia N-J song, followed by quick fade out. Pattern on channel then settled down to usual evening fare of KDAY/XEDM. This & KRZI never hrd before local midnight before. (NHP-EC)

1580 KRZI TX, Waco 10/24 0058 ID surfacing thru murk, not hrd in a long while. (NHP-BC)
 ?CBBJ? PQ, Chicoutimi fair 12/3 2305 w/FF talk, Radio Canada ID. Still in nicely at 2340. (DM-AB)
 1590 KLIV CA, San Jose 11/28 0431 usually what I get on 1590. Fourth part of the "San Jose Pipeline to Alaska." (HP-AK)

Dec. f/c's heard:

1st Sa 0200-0215 KZUL-1380 AZ (ØW-CO)

1st Su 0140-0150 KCCR-1240 SD (ØW-CO)

Dec. f/c not heard:

1st MM 0115-0125 KILE-1400 TX (this f/c is still active, per Pete Nolan) (RW-CA)

"Whoops" Dept.

The KERB-710 logging in the Nov. 29 issue is not correct. This stn has been KNUS for a year or two now, and is all-talk and news, not C&W. (ØW-CO)

A note from Bill Harms in Laurel, MD:

"I heard KJEK-1590 when driving thru area only. Never heard at Provo. I don't know if it is still on now or not." (Great to hear from you again, Bill!--NH)

UNIDs:

660 CFFR? UnID carrier hrd all day on Su 12/4. Loops toward Calgary. Also hrd by Pat Martin at the same time. Signal was very strong w/ little fading. (BB-OR)
 660 12/5 0356-0416 undermodulated TF looping NE/SW, about S3 w/some KBOI splash. CFFR? (RS-WA)
 900 12/4 0620 short semi-classical piano pieces; OM annor in FF. Loop-ened ENE. Probably CKVD or CJBR. Weak w/KPOF-910 slop. (ØW-CO)
 1100? 11/27 0413-0415, 0416-0417, morse code. Second time I've picked this up. First time was 2/2/83 0355. (HP-AK)
 1210 12/5 0244-0430+ unID repeating some type of phrase, chorally sung, almost sounded like an interim signal for a SW stn. Sounded like "missing you, now I'm blue" repeated for 96 plus minutes! 6 second pause between, looped ESE/WNW. YVMN under. Almost sure it was EE. Perhaps a domestic testing a loop tape? Could've sounded like "K-Z-O-O, Honolulu," but didn't sound like that. Ideas? (RW-CA)
 1400 12/5 0134 unID w/Music Country Network u/KKBZ. KVOY? (RW-CA)

Was beginning to wonder if I'd ever get through all the "Of Special Interest" stations, hi. Have a happy holiday season everyone! ♥

New source of all the news via Gary Larson that's fit to hear

By Ray Richmond

Daily News Staff Writer

Another all-news radio station will be popping up on the AM dial at 540 sometime around the middle of next year.

So says Saul Levine, head man over at jazzy KKGQ-FM (105), who plans to expand his holdings with the formation of KKAR-AM. Those are the call letters he has applied for with the Federal Communications Commission. It would be known as K-KAR 54 (as in the old TV show "Car 54, Where Are You?").

The plan is for KKAR's main studios to be in the San Bernardino County community of Hesperia, near Victorville. Levine says KKAR will serve as the lone Cable News Network (CNN) radio affiliate in Southern California, kicking off with a focus of 60 percent national and world news, 40 percent local.

It also plans to carry a heavy emphasis on business and financial news.

This will bring the Los Angeles area's number of all-news outlets to four, including KFWB (98), KNX (1070) and Anaheim's KNWZ (1190), which changed format from rock 'n' roll last February.

But inasmuch as his potential audience draws from a population base of 10 million, Levine sees plenty of room for another all-news outlet. He maintains that he is uninterested in stealing any other station's listeners.

"Our goal is to complement what is being done by the other news stations," he says. "We're just taking a different approach to it. The others tend to accentuate local more."

"We're going to have a primary signal," he figures. "It so happens 540 on AM is the choicest frequency in the nation." Levine's rationale is that the lower frequencies on the dial carry extended ground waves, which help a station fade less going through tunnels and around buildings. "And 540 kilocycles is best," believes

Levine. "There are also fewer weaker signals to interfere than you encounter on the high end of the dial."

The station should come in clearly everywhere from the high-desert areas of Barstow and Bakersfield through Orange County (as far as San Clemente) to the ocean.

Since KKAR will be the first station a listener would tune in going left to right across the AM dial, Levine intends to use the slogan, "KKAR, first with the news in Southern California."

But talking about much of this advance planning might be premature. Before any of this gets off the ground, Levine needs close to \$1 million to cover estimated start-up costs — and that's merely for equipment and technical support. Hiring employees and the rest could double or triple that figure. All-news is one of the most expensive formats to program.

More on this as its start-up date approaches.

Around the dial: Well, that didn't last long: Rick Carroll's tenure as

DAYTIME BAND SCAN

From: Patrick Martin-Seaside, Oregon
 Receiver: Hammarlund SP-6003X
 Antennas: (LW) 200 foot Terminated Longwire running N.E.
 (B) 1500 foot East Beverage, Terminated

This is a Band Scan of what DX is like on the typical November day around Noon. *heard, but not regular.

540- CBXQ-LW	840- 0	1140- CKXL-B	1380- KSRV-B
CBK--B	850- KTAC-Both	KGEM-B	*KRKO-LW
550- KOAC-LW	*CKRD-B	KRAK-LW	1390 KSLM-LW
*CKPG-LW	860 KTRB-LW	KSPL-LW	KBB0-B
KBOW-B	*CFPR-B	KKEY-B	*CKKC-B
560- KPQ--B	870 KORD-B	*KAGO-LW	1400 KEDO-Both
KSF 0-LW	880 KWIP-LW	*KPLS-LW	KBCH-LW
KMON-LW	KIXI-B	1160 KSL-Both	*KTIV-LW
570- KVI-Both	890 *WLS--B	1170 KLOK-LW	*KTNT-LW
KCNO-LW	900 CJVI-Both	KPUG-B	1410 KCNR-B
*CKEK-B	*KUEN-B	*CKGY-B	CFUN-LW
580 KCMX-LW	*CKBI-B	1180 KOFI-B	*KMYP-B
KFXD-B	910 KKSJ-Both	1190 KEX-Both	1420 KITI-Both
CKUA-B	*KURY-LW	*KNBA-LW	*KYNG-LW
*KMJ--LW	920 KGAL-LW	1200 *WOAI-B	*KUJ-B
590 KUGN-LW	KQEU-B	1210 KREW-Both	1430 KGAY-Both
KHQ--B	*XLY-B	1220 KCCS-Both	KBRC-LW
*KID--B	930 KSWB-Both	CKDA-LW	1440 KODL-B
600 CJOR-LW	*KVGJ-B	KASY-LW	KMED-LW
KGEZ-B	940 KWRC-LW	*KIBE-LW	*KXXR-B
610 KONA-B	*KFRE-LW	*CJOC-B	*CFCP-LW
KYJC-LW	*KGRJ-B	1230 KVAS-Both	1450 KBPS-B
*KFRC-LW	950 KJR-Both	*KRDR-B	KJUN-B
*CKYL-LW	*KYES-LW	*KTD0-B	KEED-B
620 KGW-Both	960 KALE-B	1240 KGY--LW	1460 KMWX-Both
*CKCK-B	CFAC-B	KFLY-B	*KGAA-LW
*CJCI-B	KLAD-LW	*KPRB-B	*KQTE-LW
630 KSHR-LW	*KABL-LW	1250 KKFJ-B	1470 KELA-Both
KGDN-B	970 KYTE-Both	*KWSU-B	*KDUN-LW
*KIDO-B	*KREM-B	1260 KCYX-Both	*CJVB-LW
*CHED-B	*CJVR-B	CFRN-B	1480 KRED-LW
*CKOV-B	*KBEE-LW	*KYA-LW	KAAR-B
640 KFI-Both	980 KUTII-B	1270 KBAM-Both	1490 KLOG-B
650 *KYAK-LW	CKNW-LW	*CHWK-B	KVAC-LW
*KORL-LW	*CKRM-B	1280 KMAS-LW	KBZY-LW
660 0	990 KRKT-Both	KBDF-B	*KENE-B
670 KBOI-Both	*KKIS-LW	KIT-B	1500 KTOL-LW
680 KNBR-LW	*CBW-B	*CHQB-LW	CKAY-LW
KOMW-B	1000 KOMO-Both	*KJOY-LW	*KHTT-LW
*CHFA-LW	1010 CBR--B	1290 KLIQ-Both	1510 KGA-Both
690 CBU-Both	KIQI-LW	*KUMA-B	KKNW-LW
KRCO-B	1020 KYXE-Both	1300 KMPS-LW	1520 KYXI-Both
*XETRA-LW	*KTNO-LW	KACI-B	*KACY-LW
700 *WLW--B	1030 KTWO-B	*KHUG-LW	1530 KFBK-Both
710 KIRO-Both	1040 *WHO-B	*KOZE-B	1540 KJZZ-Both
KFIA-LW	1050 KBLE-Both	KNPT-LW	*KMF0-LW
720 KDOWN-Both	KORE-LW	KARY-B	1550 KGAR-Both
730 CKLG-LW	*CFGP-B	*KCRE-LW	KKHI-LW
KBOY-LW	1060 KPAY-LW	*KDIA-LW	*KQOT-LW
KULE-B	CFCH-B	1320 KXR0-Both	1560 KGH0-Both
740 KCBS-LW	KBGN-B	*CHQM-LW	CHUB-LW
CBX--B	1070 CFAX-LW	1330 KUPL-Both	*CHTA-B
750 KXL-Both	*KNX-LW	KENU-LW	*KLOQ-LW
760 *KFMB-LW	*CKST-B	*KCLM-LW	1580 *KDAY-LW
770 KXA-Both	1080 KWJJ-Both	1340 KAPA-LW	1590 KTLI-Both
780 KROW-Both	CKSA-B	KIHR-B	KJET-LW
790 KWIL-LW	*KSCO-LW	KBBR-LW	*KLIV-LW
*KEKA-LW	1090 KING-Both	*KLOO-LW	1600 KOHI-B
KGMI-B	*CHEC-B	*KWWW-B	KASH-LW
*KJRB-B	*KNCR-LW	*KOTA-B	*KLAk-B
*CFCW-B	*XEPRS-LW	1350 KSR0-LW	*KGST-LW
800 KPDQ-Both	1100 KFAX-LW	KRLC-B	1610 Mt.St. Helens
KQIN-Both	*KREX-B	*KDOV-LW	(B)
*CKOK-B	1110 KBND-Both	KUIK-B	
810 KGO-LW	CHQT-B	KAMT-LW	
CHQR-B	*KPIP-LW	*KROr-LW	
KTRQ-B	1120 KPNW-Both	1370 KAST-Both	
820- 0	1130 CKWX-Both	*KFIR-LW	
830 *WCC0-B		*KXLF-B	

DX WORLDWIDE EAST

Neil Kazaross
P.O. Box 1908
Ogunquit ME 03907

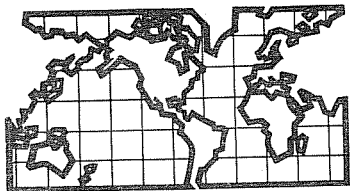
First of all I must restate that as of the end of 1983 I'm resigning as editor due to night school. That means the final DXNW-E will be typed from here just before New Years Day. I am hopeful that a new editor will step forward by that time !! As I stated before, I'll be in school two years & at the completion of my master's degree program, I'll be willing to take the column back if the new editor no longer wishes to do it.

CX here have been very interesting almost every time I turn the rx on. 12/4 was good for lowband low-latitude TA's. 12/7 had tremendous signals from lowband Iberians & N.Africans, 12/9 was like a Caribbean band-scan. 12/10,11,12 had xint cx to Africa w/12/11 being unbelievable!!!

PAN AMERICAN DX ROUNDUP

- 530 COSTA RICA Cartago TICAL gd w/pop mx, "Rumbo" IDs & SS talk, TC's complete ID @ 0303 11/16 (Forth-IL) + 2315 11/7 first hrd w/SS gospel pgm faded @ 2325. Back @ 0511 11/8 w/LA mx, steady sig w/ slight beacon QRM s/off @ 0533. Back on again (Make that Again on -ed) 0445 11/10. Gd sig for 1 KW (Jasinski-IL) caught on 75^o LW which had absolutely no beacon NB QRN at all (143^o LW was all NB w/ just a SAH!-ditto for the loop) Lively LA mx, "en Rumbo" ment 0256 & legal ID 0300 12/1. Not common here (Kaz-ME)
- 560 t GUYANA presumed the one w/heavily Caribbean-type acc. EE M w/WGAN & others in WGAN phase null 0018-0021 12/9 (Kaz-ME)
- 570 GUBA //590,620,etc 11/16 0038 gd w/RR lang best, Entertaining the Russian troops in Cuba? (Jasinski-IL)
- 660 ST.LUCIA Babonneau caught briefly w/Carib. acc. EE M ment " a special request in YVNA fade w/little WNBC in AU cx 0157. Back better & taped w/BBC nx o/usual LA pest YVNA 0209 into local nx 0210, GMT-4 TC 0215 12/9 w/stn fading into YVNA w/still little WNBC on the Beverage. I'd been after this for years! (Kaz-ME)
- 730 MEXICO Mexico City 11/7 2330 fr-gd w/WGN slop w/SS talk,nx,mx (Jasinski-IL)
- 730 TRINIDAD & TOBAGO Port of Spain 0011 11/22 EE acc. M-W , political speech, gd (Hakiel-NY)
- 735 ECUADOR Quito HCGB-1 0236 11/20 nice soft LA vocals by W, gd (Hak)
- 750 DOMINICAN REPUBLIC/UNID hunting LA's here in deep phase null of superpest YVKS had two LA's in -one w/SS ex (BB I think) & the other w/SS & US pops & ID sd/lk R.lay-dray (obviously R.Alegre) 0115 12/9 which was well atop the BB stn & WSB w/YVKS phased latter at 0150 w/Santo Domingo ment & lively LA mx at this time (Kaz)
760. GUYANA Georgetown v.gd -almost xint 0046-0053 when taken out by usual AU cx pest YVQQ. Mellow songs & dedications by acc. EE anc. Up to xint peaks later at 0058-0104 w/Carib mx, but no ID across the hour, other than GBC ment at 0104 before lost to YVQQ. First time noted at new QTH despite about 20 hrs of monitoring in similar cx; thanx to YVQQ. (Kaz-ME) 12/9.
- 770 VENEZUELA Caracas YVKK v.gd well o/other LA w/WABC zapped by AU cx; R.Nacional de Ven. ID & freq's given 0227 12/9 (Kaz-ME)
- 790 BARBADOS St.George taped to v.gd -xint peaks well o/WGAN on Bev. w/nx,wx local ments, "R.Active, V.O.B. 790" ID somewhat acc. EE anc. 0134 12/9 (Kaz-ME)
- 810 BAHAMAS Freeport ZNS-3 11/16 0015 gd during AU cx, No WGY. Female w/local nx, m ent 5 digit phone #'s. Good again on 11/20 @ 0330 w GOS pgm. (Jasinski-IL)
- 810 BRAZIL Fortaleza ZYH589 in again in AU cx // 880 w/soccer 0123 12/9, fr in mix w/WGY/HJCY/others. (Kaz-ME)
- 820 BRAZIL several possibilities for PP pgmg w/M&W here // 880,860,5035 pr but audible during fade of usual SS LA pests 2318-2320 11/29 in gd Brazilian cx. (Kaz-ME)
- 840 BRAZIL one of them in w/PP o/u fade of St. Lucia pest w/PP talk 2356 12/9 & 0005 12/10. Fair & taken out by St. Lucia fade up (Kaz)
- 840 HAITI Cap Haitien 4VEF 2248 11/1 FF Creole talk, fr. (Hakiel-NY) George, I'll bet dollars to donuts that this was St. Lucia which also has Creole FF and is extremely dominant here. Haiti is rlg. if that helps you any. I've not seen Haiti rptd in a couple of years & it was mixed w/St. Lucia at the time.-ed
- 800 VENEZUELA Maracaibo 2355 11/13 LA love songs, R.Exotos ID, gd (Hak)
- 860 CUBA R.Metropolitana gd w/political talk, mx theme & ID 045 11/16 (Forth-IL)

- 860 BRAZIL Rio de Janeiro ZYJ459 v.gd well o/SS LA's w/Canadians AUed out, // 880,5035,820 w/FP M&W with what I think was some kind of lang. lesson or educational pgm. 2313 11/29. Rarely hrd at anytime other than after 0700 (Kaz-ME)
- I just can't keep this thing in order anymore- substitute editor desperately needed !! -ni
- 845 t ECUADOR Ambato is the likely source of carrier at 0307 & stronger at 0331 but too much WHDH slop for audio 12/7. Hakiel had audio here and on 1265 earlier. (Kaz-ME)
- 954 PERU Lima 1025 11/8 slow tempo LA mx, SS talk, pr. (Hakiel-NY)
- 860 PANAMAchitre HOL55 1000 11/22 s/on w/HA & R.ReForma ID, fr (Hakiel)
- 860 CUBA R.Metropolitana gd w/political talk, mx theme & ID 0459 11/16 (Forth-IL)
- 870 ARGENTINA Buenos Aires LRA-1 0230 11/1 M in operatic aria 3 pips at 0230 fr-gd (Hakiel-NY)
- 880 BRAZIL Belo Horizonte ZYL275 is an absolute regular in AU cx. 2307 11/29 // 5035 w/FP M&W, "Voz do Brazil" ment, name of pgm on // stn's ? // 1000 2249 w/WCBS 12/7 & // 810 w/soccer 0123 12/9 & other dates times at least =.WCBS early eyes in semi-AU cx w/some slop from Canaries 882 occ. (Kaz-ME)
- 900 BARBADOS Bridgetown better than local like !! (1 db o/WYRK 970, 2 db u/R.Faradise) on Rev. w/amazingly steady sig. w/Carib jazz prg about contempory mx in Barbados 0130 12/9 (Kaz-ME)
- 914 SURINAM Nieuw Nickerie 0022 11/15 exotic Hindi vocal by M&W, gd (Hakiel-NY) Now that 725 has been blown up, this seems to be the only place to hear Surinam gd on Beverage 12/6 6050 w/ Hindi mx (Kaz-ME)
- 915 ECUADOR Machala HCRC-7 0256 11/19 LA mx, SS talk, gd. (Hakiel-NY)
- 920 UNID w/SS talk, upbeat mx, "Esterio 92" & R.Alegría ID's, sd/lk a Mexican but not sure; world mx headlines 0222 11/16 (Forth-IL)
- 944 HONDURAS Tegucigalpa HRVW 0254 11/19 familiar pop tunes, SS talk gd. (Hakiel-NY)
- 965 ECUADOR Santo Domingo de los Colorados HOUT-1 0245 11/19 LA disco mx, SS talk, pr-fr (Hakiel-NY)
- 970 US Virgin Islands St. Thomas WSTX another most wanted Carib. stn. nabbed tonite in superb cx. pr-ed thru WYRK looped w/Island mx & WSTX ID at 0241 12/9. I had previously spent at lot of fruitless hours here too in similar cx. (Kaz-ME)
- 990 SURINAM St. Georges 10/24 2310 mx in SS by M. Beznae hrd two hrs later, nine hrs before our invasion, gd. (Townshend-BI) + I've noted a Carib. accented ME anc here a few times since the liberation but never payed much attention to it. Stn now was rather weak and mixed w/LA & domestic. ME where as previously it had been at awesome strength under similar cx. Just be that "Voice Island Radio" I here is being operated there by US troops w/ local anc's. Sig. sd/lk 1 to 5 kw instead of previous 75 kw. Nothing noted on 535 which rarely came in well anyways. (Kaz-ME)
- 990 t COLOMBIA Medellin HETV 11/15 0247 ranchero mx w/accordion, ment of Colombia, fr. u/WBCX (Townshend-BI)
- 1000 BRAZIL Sao Paulo ZYJ522 gd & atop w/FP talk // 880 2249 12/7 (Kaz)
- 1010 BRAZIL Fortaleza ZYH035 s.t. the stn. fr // 5035 et al w/FP M&W a few db u/WBCS 2327 11/29. (Kaz-ME)
- 1050 MEXICO Monterrey XEC 11/9 0247 ranchero mx, ment of Monterrey, spot xint. (Townshend-BI)
- 1070 VENEZUELA Mundial Bolivia gd w/ FB & vocal mx, o/WIBC & unID LA 0212 11/16. (Forth-IL)
- 1100 ANTIGUA St. John's 11/16 0045 fr w/acc. ID, local spots, 5 digit phone #'s w/ 2 other unID ST's in gd AU cx. (Janinski-IL)
- 1130 GUATEMALA Barranquilla H8AC 0258 11/21 LA pop mx, "Amisior-Rio-Yar" id, WNW null, fr. (Hakiel-NY)
- 1220 BRAZIL Rio de Janeiro ZYJ458 2212 11/18 HRW in FP talk // 6035 gd. (Hakiel-NY) + fr-gd // 6075. Mixed w/others w/FP ex event 2339 11/29 & gd w/several Globo ID's 2332 12/11. (Kaz-ME)
- 1200 t BRAZIL Fortaleza:pr-fr FP stn noted here o/WYRK fade 0203-0205 12/7. Phasing helped reduce WYRK a bit more. (Kaz-ME)
- 1210 CUBA w/others in WCAU null w/anthem, march mx, etc 0501 12/4 (Kaz)
- ** 1320 **VENEZUELA Turmero WYVF 2302 11/15 LA mx, "R.Apolo" ID, gd (Hakiel)
- 1410 UNID lively LA mx briefly o/WBCI in brief high-end LA opening 2350 11/22 (Kaz)
- 1450 t VENEZUELA Puertos de Altagracia YVVO may be the stn here // 1110 WYVF w/SS sx event; WYRK phased, mixed w/other domestics 2350-0501 11/30 in AU. R.Vision YV's are often hrd in // w/sx at this time period. WYVF & several other non Vision YV's pick up the net (Kaz-ME)



DX WORLDWIDE - WEST

Pat Martin - Editor

P.O. Box 843, Seaside, Oregon 97138

(503) 861-3185 - deadline Tuesday

DX of late has been quite interesting, with the return of DUs all over the dial in the mornings to interesting IPs. Dave Williams also got a complete sign off of DYFM-837 this week with great signals! Some news from across the pond in DULand. This news from DX Australia: 765-8HA-Tennant Creek, translator planned with 1KW; 2G0-1323 seeks 801 KHZ; 4GC-1170 seeks 828 KHZ and increase to 500 watts; 864-7HO has been granted 5 KW, from 2KW, due early in 1984; 4EB-Brisbane has been granted 1053, ex. 1485, and increase power to 500 watts, on 1062 KHZ a ABC station is planned in Charleville, Q. with 10 KW; 5AD-1323 seeks 1062 KHZ and increase power to 5KW-directional; 5KA-1197-Adelaide to boost to 5KW. From the Australian Broadcasting Tribunal, the annual report: As of June 30, 1983 126 ABC, 137 Commercial, 38 public, 2 Special Broadcasting Stations, 12 Commercial translators and 2 SBS Translators (AM and FM), were on the air. Of the metro stations, 12 out of 36 made a loss, compared with 14 the year before. Country stations had 16 out of 98 showing a loss, compared with 23 the year before. Stations belonging to the Macquarie Broadcasting Network: 2GB, 2BS, 2DU, 2LF, 2MG, 2PK, 2ST, 2VM, 2WL, 2XL, 3AW, 4BH, 4AM, 4BU, 4CD, 4NA, 4VL, 5DN, 5MU, 7HO, 7QT, 7BU, 7AD, 7SD, 2CA, 8HA, and Major Broadcasting Network: 2UE, 2KO, 3DB, 4BK, 5AD, 7HT, and 7EX. The following stations are 24 hours in Australia: 2CH, 2GB, 2KY, 2SM, 2UE, 2UW, 2WS, 2CA, 2CC, 2GF, 2GO, 2HD, 2KO, 2KA, 2MC, 2MW, 2NX, 200, 2WL, 2ST, 2WG, 3AK, 3AW, 3CR, 3DB, 3KZ, 3UZ, 3XY, 3MP, 3BA, 3BO, 3GL, 4BC, 4BH, 4BH, 4IO, 4KQ, 4AK, 4AY, 4CA, 4CD, 4GC, 4GG, 4GR, 4GY, 4MK, 4RO, 4TO, 5AA, 5AD, 5DN, 5KA, 5AU, 5PI, 5RM, 5SE, 6IX, 6KY, 6PM, 6PR, 7HO, 7HT, 7LA, and 8DN. During the year 24 stations increased hours and 10 reduced hours in Australia. With the closing in October of VLI-Sydney (SW) will result in the establishment of 6 new AM ABC stations in NSW during 1985/86 to complete coverage. This is from WRTVH Newsletter. On with reports:

PAN-AMERICAN DX ROUNDUP

- 555 UNID, at 0450 on 12/1, nil to poor signal, excited man in SS, sports event perhaps, soon faded out. Been after Nicaragua here for quite a while. (NHP-BC)
- 825 ST. KLIITS, Basseterre-10/10 at 0430 "this is Radio Paradise" by man, followed by inspirational mx to s/off, nil to fair. Also in 11/9 at 0430 and 11/24 at 0324 (NHP-BC)
- 830 ECUADOR, Guayaquil-HCRH2 at 0420 10/28, nil-fair w/EZL mx(Latin), many "Huancavilca" IDs, also nil=good 1/14 at 0510. (NHP-BC)
- 900 t BARBADOS, Bridgetown-Poss. the one here w/Big Band pgm and EE ancr, slight accent again on 12/11 at 0350, but too much 900 QRM to tell, Glenn Miller and Christmas mx of the 40s. (PM-Or)
- 1555 CAYMAN ISLANDS, Georgetown-0435 11/11, man and woman talking, nil-poor in domestic splatter, then GSO at 0448. Later than listed s/off but anthem certainly points to this one... (NHP-BC) (Nick: This was prob. Cayman as it has been heard here on both 1205 and 1555 several times, but 1205 with 1KW is normally better, because not so much slop here. PM)

TRANS-PACIFIC DX ROUNDUP

- 531 AUSTRALIA, Kempsey-2MC vy good w/rr mx and IDs at 1330 on 12/10 o/ JJ (PM-Or)
- 540 JAPAN, Yamagata-J03G, fair o/Canadians at 1501 w/EE call letter ID after NA, on 12/11. (PM-Or)
- 576 U.S.S.R., Khabarovsk-vy good w/Inst. mx and RR ancr at 1536 on 12/11 but soon faded out. (DW-Or)
- 612 TAIWAN??, poss. the one o/UNID rr station (KUAM?), w/OM in Thai?, wa in vy briefly at 1435 on 12/11, lost under slop. The lang. sure sounded Thai or something similar. Per WRTH Taiwan is in Thai at this time. (PM-Or)
- 666 U.S.S.R., Strong w/Mayak pgm at 1538 on 12/11. (DW-Or)
- 670 ALASKA, Dillingham-KDLG-vy good w/no KBOI QRM on 12/11 and 12/10 at 1531 w/Marine forecast w/Gal. (DW-Or)

- 38 CHINA, CPBS station here w/YL in CC and CC mx at 1520 on 12/11, Fair mixing w/JJ. (PM-Or)
- 74 AUSTRALIA, Townsville-4TO, vy good at 1510 On 12/10 w/rr mx and 4TO IDs. Haven't hrd this one for a while. (PM-Or)
- 92 UNID, poss. Chinese station here or Singapore?? w/CC ann. and YL talk, was not // 738, but prob. another CC station at 1525 on 12/11, WRTH lists Singapore as in EE at this time. (PM-Or)
- 28 CHINA, at 1400 10/26 CC pips hrd vy weakly behind JOBB which was in a good strength. Beijing local listed. Low band TPs faded up to reasonable strength between 1400-1410 this AM, then gone. (NHP-BC)
- PHILIPPINES, Cagayan de Oro-DXCC, vy good at 1530 w/RMN ID and TC, OM ancr and older US Pops. (PM-Or)
- 137 PHILIPPINES, Iloilo-DYFM-hrd vy good w/Full s/off w/NA at 1500-1504 w/OM ancr, power given 5,000 watts. Never hrd this good before, with full ID, on 12/10. (DW-Or)
- 364 AUSTRALIA, Hobart-7HO, vy good w/rr mx and 7HO ID, TC, o/presumed 4GR, at 1340 on 12/11. Best hrd in quite a while. (PM-Or)
- 373 AUSTRALIA, Sydney-2GB, vy good w/talk show at 1311 on 12/11, TC and 2GB ID (PM-Or)
- 382 AUSTRALIA, Brisbane-4BH, good w/Pop mx and ID at 1330 on 12/10, slight 880 slop. (PM-Or)
- 936 AUSTRALIA, Townsville-4AY, good o/slop at 1313 on 12/11 w/Pop mx and 4AY ment. Haven't hrd this in a while either. (PM-Or)
- 954 AUSTRALIA, Sydney-2UE, hrd fair at 1245 on 12/10 w/Sports event, poss. racing, fast paced ancr. (PM-Or)
- 1008 AUSTRALIA, Brisbane-4IO, good o/LZD w/ Radio 10 ID, and heavy rr mx at 1324 on 12/11. (PM-Or)
- 1017 AUSTRALIA, Sydney-2KY vy good w/Racing results at 1248 on 12/10, strongest hrd in a while. (PM-Or)
- 1026 AUSTRALIA, MacKay-4MK, good as usual w/Pop mx and 4MK IDs at 1430 on 12/11, some rr QRM under, prob. 3DB. (PM-Or)
- 1116 AUSTRALIA, Brisbane-4BC, hrd Pop mx and quick 4BC jingle at 1340 on 12/10, some 1110-1120 slop. (PM-Or)
- 1314 AUSTRALIA, Wollongong-2WL, vy good at 1240 on 12/11, w/Pop mx and wxcast, spots, and back into rr mx. (PM-Or)
- 1413 AUSTRALIA, Newcastle-2KO-vy good w/rr mx and quick spot for Mall in area at 1230 on 12/11. (PM-Or)
- 1575 THAILAND, Ban Pachi-VOA at 1426 10/28 poor-fair w/oriental mx //9630 First audio on this one this season. (NHP-BC)

VERIES:

- 567 SOUTH KOREA, Jeonju-HLKF, rec. full detail vq from Seoul in 4 wks for taped report w/ID-100KW, KBS #3 verie no v/s. Also sent calendar and SW pgm sch. South Korean QSL #9. (PM-Or)

THANKS TO THESE REPORTERS:

- NHP-BC Nick Hall-Patch 1538 Amphion Street Victoria, B.C. V8R 4Z6-HR0, loop
 DW-OR Dave Williams-Hyw 101-Box 615-Astoria, Oregon 97103-SPR4, LW
 PM-OR Yer Editor-SP-600, Bev, LW, Ground System.

Regulation Of Call Signs To End

WASHINGTON (AP) — Despite warnings it might be condoning a whole new use for dirty words, the Federal Communications Commission has decided to stop regulating call signs — those four-letter combinations that identify radio and TV stations.

By a 3-1 margin, the agency voted to repeal most of its rules governing call signs, including one that states call signs should be in "good taste."

Broadcasters must still obtain a call sign from the FCC to ensure they don't duplicate letters assigned to another station, but they'll be free to request any unused combination of letters they want, the agency said.

"I would hate to see headlines saying the FCC is dropping the good taste (standard) for call signs," said Commissioner James P. Quello, the only member to vote against the change. "I think we would face the stigma and outrage of

the government should be the one to put obscene call signs on the air."

"This is probably going to play the wrong way in Peoria," commented FCC Chairman Mark S. Fowler, who nevertheless agreed to the change.

The repeal of the good taste standard had attracted little opposition from broadcasters. But the two largest industry groups — the National Association of Broadcasters and the National Radio Broadcasters Association — had nonetheless pleaded with the agency not to deregulate call signs.

Their opposition stemmed from the agency's plan to

eliminate a procedure whereby a broadcaster may ask the FCC to block a call-sign request by another station in his city if the new letters are similar to his own.

Broadcasters rely on rating services like Arbitron and Nielsen, which in turn are dependent on the public's ability to properly identify a station, the groups argued. A new broadcaster could select a call sign that's similar to a top-ranked station in a bid to confuse the public, they added. If the FCC won't consider such problems, the only recourse would be "costly and protracted" lawsuits.

Oxnard Press-Courier
 December 5, 1983
 via William McMahon

James C. McKinney, the chief of the FCC's Mass Media Bureau, tried to convince the majority to maintain the good taste standard, stating enforcement of the rule had never proved difficult in the past.

Noting the FCC is responsible for assigning call signs, McKinney added: "I just don't think

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The International Radio Club of America is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (Medium Wave). IRCA is a member of ANARC, the Association of North American Radio Clubs.

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DX MONITOR, the official bulletin of the IRCA, is published 34 times per year; weekly from October to March, twice in September and April, and monthly from May to August. Unless otherwise noted, permission is granted to publish, broadcast, or otherwise reproduce non-copyrighted material appearing in DX Monitor, provided credit is given to IRCA and the original contributor. Opinions expressed in DX Monitor are those of the original contributors and do not necessarily reflect those of the IRCA, its publishing staff, editors, or officers.

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