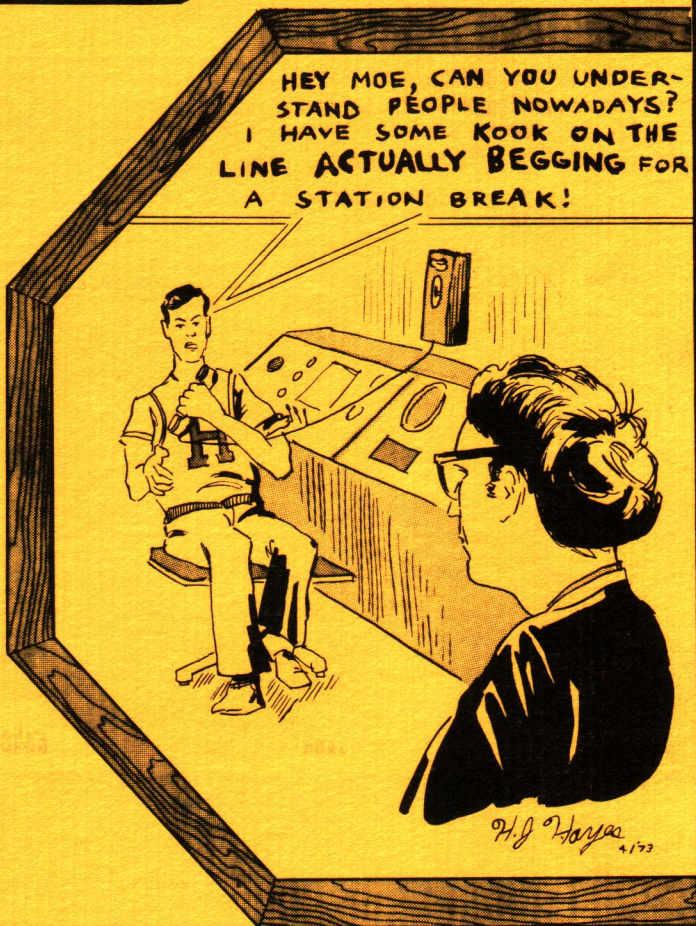


# VHF-UHF DIGEST

1973  
MAY

HEY MOE, CAN YOU UNDER-  
STAND PEOPLE NOWADAYS?  
I HAVE SOME KOOK ON THE  
LINE ACTUALLY BEGGING FOR  
A STATION BREAK!



73's in 73



# **publishers' notes...**

**WTFDA HEADQUARTERS, P.O. BOX 163, DEERFIELD, IL 60015 USA**

**1973 WTFDA CONVENTION NEARS...** From this issue through July, keep your eyes open for announcements about this year's convention. Bob Seybold reports that things are going quite well in preparing the big event. For those of you that missed our last Dunkirk convention and have never visited Bob, you're in for a surprise. Bob does his DXing at a hilltop location, where tropo seems to be always present. In 1970, our best tropo was Peoria, Illinois. Reportedly, this year Bob has found a location that's even higher!! So, besides all the convention activities, we can almost guarantee that you'll see and hear some DX!

**BOB'S TEK NOTES ABSENCE...** Bob Cooper has informed us that his expanded business activities have been greatly reducing his free time. Bob has been doing a great deal of traveling on business as well, making it just about impossible to devote any time to his column. Bob also apologizes to those members who have written for technical help. As things settle down, he hopes to have more time. Bob's Tek Notes will return!

**MORE MEXICAN BROADCASTING INFO...** Just when I think we published the latest Mexican station data, Glenn has again outdone himself! After another trip south of the boarder, and much observation, Glenn has prepared a super report. In addition, a very complete list of the TV and FM stations of Mexico is included. Our somberos are off to Glenn!

**NEW NORTHERN FM DX EDITOR...** Roger Winsor has informed us that it will no longer be possible for him to continue as a column editor. Rog has had a number of activities at home and work, limiting his free time. The complication of a broken typewriter didn't help things either. Elsewhere in the issue, Roger has some closing remarks... Russ Brown (3274 South Lake Shore Drive, St. Joseph, MI 49085) will be taking over the column, and all future reports should be sent to him. Russ is a very avid FM-DXer and should do a fine job.

**THE MAILBOX GETS BIGGER...** This month, we're happy to announce the expansion of "The Mailbox", to two pages. You'll also note that Terry is requesting photos for inclusion in the column. Rather than DX photos, this request is for DX den photos and shots of interesting antenna systems.

**NEW STATION DIRECTORY ANNOUNCED...** Of particular interest to V-UHF utility DXers, Gilfer Associates has announced a new addition to their line. The directory is called "POLICE CALL", and lists police, fire and other public service stations in California, Oregon and Washington. (8 1/2 x 11, 80 pages) \$3.95 from Gilfer at Post Office Box 239, Park Ridge, New Jersey 07656. Coming soon will be eight more volumes to cover the remainder of the United States.

**NOTES OF NOTE...** As we move into the big DX months, the size of the DX report columns will be going through their usual seasonal expansion. You can make the job of your report column editor a great deal easier by making your reports neat and concise. Try to keep your report in the format that is used by your editor. List DX in the order seen or heard and separate your general comments from your DX. Your editors will appreciate it!



Terry Colgan  
 P.O. Box 18268  
 Serna Station  
 San Antonio, TX 78218

# WTFDA MAILBOX



This month the Mailbox expands to two pages. In the future, we'll try to include more news and even pictures. Will we get mail from you????

Let's welcome these new members:

Larry E. Addison	Coon Rapids, MN	sponsor unknown
Edward Albright	Medford, OR	sponsor unknown
James F. Armington	Dothan, AL	thru Poptronics
Ronald R. Battory	Adams, MA	sponsor unknown
Albert E. Bertram	E. Carondelet, IL	thru Commo World
Scott A. Blake	Hatfield, PA	thru Poptronics
Donald J. Blom	Enid, OK	thru Commo Hdbk
George A. Boullés	Highland, IN	thru John Zondlo
Joseph E. Bradley	Mt. Vernon, GA	sponsor unknown
Kevin Braun	Jackson, MI	sponsor unknown
D. L. Byrd	Coral Gables, FL	sponsor unknown
Bill Coleman, Jr.	Rocky Mount, NC	thru ANARC
Thomas S. Courtenay	New Orleans, LA	sponsor unknown
Jim E. Davidson	Ratesville, AR	thru Commo World
Edward D. Dunkeson	Odessa, MO	sponsor unknown
Michael Dunn	Armdale, NS	thru Glenn Hauser
Robert A. Dybas	Mercer Is. WA	thru Commo World
Steve Eklund	Media, PA	thru Steve West
Nancy Gantzer	Fredonia, NY	sponsor unknown
David J. Glenn	Carlisle, PA	Welcome back, David!
William R. Hale	Shalimar, FL	thru Commo Hdbk
Christopher J. Hall	Jacksonville, FL	thru Glenn Hauser
C. P. Hall	Champaign, IL	thru Frank Wiesenmeyer
Bruce Higgins	Paragould, AR	thru FM Atlas
Roger S. Horie	Missoula, MT	sponsor unknown
William L. Kelly	Lincoln City, OR	sponsor unknown
William E. Kindred	Fathfork, KY	sponsor unknown
Stanley Meacham	Miami, FL	sponsor unknown
Richard Milburn	Newark, DE	sponsor unknown
Michael Morgan	Brainerd, MN	thru Elem Elec
Peter Oprisko	Whiting, IN	sponsor unknown
Thomas S. Place	Beaconsfield, QE	thru CADCO
Mike Reid	Willowdale, ON	sponsor unknown
Marvin L. Shults	Toulon, IL	thru Commo World
David L. Walcutt	Carbondale, IL	thru Richard Wood
Donald Wood	Detroit, MI	sponsor unknown

Here's the latest news!

Steve Mattox DXes weekends from atop his 10-story dorm at Mississippi State University using a Motorola AM-FM receiver, a Finco FMSL-12 and a Channel Master 7041-A booster.

Bob Williams, Twin Falls, ID, erected his 10 element yagi and rotator (at 30 feet) just in time for last season's Es. New stations logged included KUDO-3, KATU-2, CKCK-2, CKSA-2, KDAL-3, and KTCA-2.

From high atop a 4228-foot mountain near Covington, VA, James Woodson pulls in UHF TV DX. Jim reports receiving channel 20 from Washington, DC (200 miles) virtually snow-free using only a small yagi.

High school teacher, Edward Albright, has been DXing TV off and on since 1953. A former AIPA member, he DXes on the family TV--a 1957 Hoffman with 10-foot antennas cut for channels 5 and 10. Ed has 76 stations in his logbook, comprising 22 states and 3 countries.

DXing the public service bands, E. Carondelet, IL listener, Albert Bertram began a year and a half ago using a Realistic "Patrolman 4". He now uses a Lafayette "Guardian 7000", and includes the short wave bands in his area of interest.

Besides working the 2-meter ham bands using call WB5FJR, Tom Courtenay watches for TV signals on a Zenith 19-in. b&w TV, a Magnavox 21-in. color set, and an RCA 19-in. color set. Tom also has a Channel Master 3617 VHF antenna and a Channel Master 6-ft. dish at 60 feet.

It seems the Lafayette "Guardian 7000" receiver is fairly popular since David Glenn is the second new member this month to report using one. Dave listens on all the bands, while pursuing his other hobby--restoring old radios.

DXing from Egin AFB, William Hale reports his farthest catch as CJIC-TV, with about 200 FM and 200 TV stations logged. Bill's interested in trading Gulf Coast TV Guides for those from other areas. If you're interested, write to him at 46 Shalimar Mobile Park, Shalimar, FL 32579.

Toulon, IL provides the proper DX setting for Marvin Shults. He dug into his TV logbook and came up with the following facts: first station -- KMID-2, Midland-Odessa, TX on 5 May 1965; most distant VHF station -- KIEM-3, Eureka, CA (1768 mi.); most distant UHF station -- WMAA-29, Jackson, MI (628 mi.).

Mark Lewis reports little tropics DX in Toronto since last summer although he did log St. Louis on UHF. He also reports a good December full of Es with 20 or so Southern FM stations logged with his AJ-15 tuner.

Since WTPDA has few--too few--female DXers, it's a pleasure to welcome Nancy Gantzer to the fold.

Floridian Christopher Hall is CE at WKTZ AM and FM and WFAM (FM) in Jacksonville. He takes time off from the job to DX on a Sylvania CB34 color set and a GE M113ARD b&w set hooked to a Channel Master antenna at 40 feet.

Right at typing time, information on the following new members was received from HQ:

Errol Anderson	Kingston, Jamaica	thru Television mag.
Robert Hartmann	Mayville, NY	sponsor unknown
Mr. & Mrs. Pierick	Huntington Beach, CA	sponsor unknown
Bob Stephens	Red Oak, TX	thru Commo Hdbk
William G. Thompson	Buffalo, NY	sponsor unknown

Bob Hartman usually tunes his Ross 5-band and Lloyds 10-band receivers to the aircraft bands, particularly to the frequencies used at the Chataqua County Airport. Bob notes that Dunkirk, NY is only 29 miles from his QTH and hopes to meet many members the 2nd, 3rd, 4th, and 5th of August.

Ever want to live on an island? Robert Dybas lives on one directly east of Seattle, WA. Bob reports receiving two semi-local stations in addition to six locals--KUOS-12, Bellingham, WA (92 mi.) and CHEK-6, Victoria, BC (130+mi.). He used to get a fair signal from CRUT-2, Vancouver, BC (150 mi.), but a relay for KTNI-11 established on that channel completely overpowers the weaker signal.

The third Robert in a row--Bob Stephens has DXed SW for over 12 years and now wants to try his luck with TV-FM DXing. Bob's shack includes a Hallicrafters S-120 with an SX-190 on order, a 19-in. Sylvania color set, and a 12-in. Admiral b&w set.

DX the VHF utility bands? Want a comprehensive listing of all licensed police, fire and emergency radio stations in the U.S.? Hollins Radio Data, P.O. Box 35102, Los Angeles, CA 90035, will publish 10 regional directories covering the continental U.S. These directories will be available about 15 May at a cost of \$3.95 plus \$0.25 postage each. Write for details.

73, Terry



# FEEDBACK

## DETENT UHF TUNERS

by Morrie S. Goldman, WA9RAQ

Ever since the inception of UHF broadcasting, the UHF equipped TV-DXer has been plagued by poorly designed UHF tuners and converters. They were noisy (as a result insensitive), mechanically and electrically unstable, and very poorly calibrated. In recent years, manufacturers have made a halfhearted attempt to solve these problems and have met with some success. They were not however, motivated by the desire to advance the state of the art or give the viewer the best tuner available, they were pushed into it by Uncle Sam. Even then, economy was (and still is) the guiding light. One manufacturer was even cited for trying to push a \$2 UHF tuner!

Originally, the FCC demanded that TV manufacturers have UHF tuners of a compatible quality to those of their VHF tuners by a specified future date. As a step in this direction, the set manufacturers would be required to have both UHF and VHF detent tuners on 40% of their sets, by July 2, 1973. The regulations stated that the sets could not have a dial error in excess of + 3 Mhz (about 1/2 channel). The manufacturers balked and nine of them won extensions of varying lengths.

So here we are... Sets are starting to appear on the market with 70 channel detent tuners. We set out to look into just how good they are and of what value they could be to the TV-DXer.

To start out, member Ed Krol of Zenith Radio, gave us an insight into what makes the new tuners click (excuse the pun!): "Zenith has recently introduced two 70-position UHF detent tuners. The 175-980 for use in color and the 175-996 for use in some table model black & white receivers. Both units consist of:

1. A continuous type UHF tuner.
2. Gear and detent mechanism.
3. Numerical readout--Knob or tape.

The UHF tuner is not new in design. Basically it is the same continuous tuning type tuner that has been around for quite some time. However, some changes have been made to improve its accuracy.

1. The rotor and stator plates have been redesigned to provide a more linear change of frequency versus shaft rotation.
2. A low-torque ball bearing assembly has been added for better repeatability.

All design changes have been made so as to meet the FCC's requirement that states: "The above mentioned accuracy, and that Numerical readout shall be provided for each of the 70 UHF channels. If a single knob is used, readout shall be provided for at least every other other channel and marks will be used to indicate those channels not indicated numerically.

The 175-996 tuner is equiped with an extra shaft that allows the use of a two knob readout. One knob is used to indicate ten's and the other, units."

"I've been working with these tuners and find that although memory fine tuning is not incorporated, they do repeat their settings. Occasionally a minor touch up of the fine tuning may be required."

"For DX purposes, the tuner will work well and provide the most accurate channel indications we have had up to now. When using the tuner, set the fine tuning up on a local channel. Now all other channels received will not be more than + 3 MHz off as long as the fine tuning is not moved. Once you get to know how the Tuner responds, slight adjustments to the fine tuning can be made without upsetting the initial set-up."

The basic design of the detent tuners used by other manufacturers should be pretty much the same. Ed informs us that Zenith's detent tuners are manufactured



primarily by Sarkes Tarzian and Sickles. The same two tuner manufacturers also sell to most of the other TV set manufacturers.

Interestingly enough, one of the few recent improvements in UHF tuner sensitivity, the "hot carrier" diode design, was not to be found in any of the detent tuners we spot checked. Though most of the new detent UHF tuners reportedly have acceptable sensitivity, a "hot carrier" diode mixer would make the package more attractive.

What about the opinions of DXers?... Joe Fela (South Plainfield, NJ) "The set in question is a RCA XL-100 and I've had it for four months, with much use in that period. I've found this tuner to be very accurate. At the worst, it will read one channel high or low, but that's easily corrected. There are two ways that it can be one channel off: 1. Fine tuning is mis-tuned. 2. Fine tuning is improperly set such that the AFT feature (if on) will pull in the station on the wrong channel."

Glenn Hauser (Von Ormy, TX) found a rather different condition... 'I tried out a Sony Trinitron and found approximately the same lack of accuracy (plus or minus 3 MHz) on the few local UHF stations available (no DX while I had it), but at least on that set there was no memory fine tuning on UHF. Thus you had to retune the fine tuning every time you change a UHF channel! Since they aren't lined up, one could easily miss some DX coming in by flipping through the 70 UHF channels without stopping to fine tune each one. Even with memory tuning, it would be quite a job to get each channel set up properly. I'll stick with the continuous tuner, such as the BTX-111."


Glenn raises an interesting point, and one that certainly needs further exploration. Is an error of  $\pm 3$  MHz enough to cause a DXer to miss a station that's "between channels"? To answer this, we need reports of your experiences.

My only exposure to the new tuners has been in show rooms. I tried sets of varied manufacture and all seemed quite accurate on the four local channels. I've ordered a replacement 70 channel detent tuner of a type used in the new Heathkit b & w receiver. When that comes, and I've had a chance to evaluate it, I'll report on my results.

If you're now still using a variable (or continuous) type tuner, you've probably noticed that there are two types of dials. The first has calibration only over one half rotation of the channel indicator knob. (The BTX-111 is an example) The second type has calibration around the complete knob rotation. (The Standard-Kollman is an example) This type is far easier to calibrate.

Well, there it is... Will the present UHF detent tuners be a boon to the TV-DXer, or a bust? Better tuners are on the way, but coming at a mighty slow pace. And if the television industry follows a similar course to that of the auto industry, it might be a long time before we see truly high quality UHF tuners.

**DON'T MISS THIS YEAR'S  
WTFDA  
CONVENTION!  
DETAILS NEXT  
MONTH!**





# MEXICO

THE LATEST DEVELOPMENTS

MAY IN TELEVISION AND FM  
1973

...by Glenn Hauser

Despite HQ's generous blurb in the last issue, the data for that writeup had accumulated over several month's time. Now, the arrival of new material and a visit to Mexico in late March make an update essential. Much has changed in the past few months!

Foremost is the merger of the two major national networks, Telesistema Mexicano (ch 2, 4, 5) and Televisión Independiente (ch 8) into **TELEvisa**, a single organization. This has led to some changes in network relay setups, and to shuffling of programs from one channel to another. Counterprogramming in Mexican commercial television, it seems, is a thing of the past. Most people I talked to expressed satisfaction about the more orderly arrangement, but the merger left others in an awkward position. Competing TV stations in a city, such as Tampico, found themselves affiliated with different branches of the same network. Monterrey lost local programming on XET-6 which is now solely a net-8 repeater; however that city is better off than most with two other locally programmed stations remaining. The Guadalajara net-8 station, XHGA-9, still provides local programming from 7 a.m.

## NUEVO EN MEXICO!!

*Un asombroso descubrimiento...*

What led to the merger? The precise reason isn't publicized, but it came after the death of Telesistema founder Don Emilio Azcárraga Vidaurreta last September. TIM might have been in financial difficulties. Several television managers I talked with referred to XHDF-13 "Trecevisión Activa" as a government channel along with XEIPN-11. Some implied that either XHTV-4 or XHGC-5 had subsequently left the Televisa group to become another government channel, but neither fact has been confirmed by published materials at hand. XHTV-4 has adopted an innovative new logo, however, to match its public service aspirations. One must deduce from published schedules that although there is a small network centered on XHGC-5, not always does net-5 (i.e. relay stations) carry the same programming seen on XHGC itself! A great amount of time on XHGC is given over to Agustín Barrios Gómez, a moon-faced fellow always suffering from flat lighting, who can and does commentate on anything and everything--at great length--in his series, "Cincomentarios" of half an hour each, often with several in a row. XHTQ-9 Querétaro has become a relay of net-5, and "XHGC" is soon to be seen in Guadalajara too; we don't know whether on a new channel or as an old one converted. Mexico's second city would seem ripe for a new fifth channel, which would have to be on 7, 11, 12 or 13.



\*\*\*\*Of major interest to TVDxers is the change in XHZ-5 El Zamorano from net-4 to net-8. Also a new channel 2 is under construction in Matamoros to relay net-8 and provide that heroic city its first local origination. The building is going up next door to XHAB-7, but the CP holder told me the XHAB tower would not be able to hold the weighty channel 2 antenna he is hoping to buy used in the USA. It may be on by the end of this year.\*\*\*\* In letters-to-the-editor columns viewers are always complaining about not being able to get a certain net in their area. In Poza Rica, net-8 doesn't make it. In Cuernavaca, a viewer misses the "64,000 Peso Prize" show since it moved from net-2 to net-8. Likewise, fútbol's move to net-8 means an Aguascalientes fan can't see it. One reader bemoans the lack of competition, saying the only hope left is for the two "official" channels, XEIPN-



## XE-IPN-CANAL 11

IMAGEN DE LA TELEVISION CULTURAL DE MEXICO

11 and XHDF-13. But an editorial criticizes 14 solid minutes of PSAs on ch 11. Another editorial says the merger will benefit the viewer, with an increased cultural and educational content in programming (such as the addition of Plaza Sésamo to net-2's schedule, weekdays at 1500), more "Made-in-Mexico" shows, fewer novelas (soap operas) and imported films, more viewer-participation, documentaries and sports coverage. But in another article Roberto Blanco Moreno says he wasn't allowed freedom of speech on ch 13 and that a conspiracy against him killed his show. The government Comisión de Radiodifusión now openly sponsors Televisión Cultural de México (see last month) with newspaper ads publicizing selected programs from all the commercial stations.



COMISION DE  
RADIOFUSION



Jacobo Zabłudovsky



Tale-Gufa readers participate in a weekly "top 10" survey...not a bad idea, eh? and "24 Horas", the late evening adults-only news show comes out on top. Two American shows rank in the top 10, #3, "Pantera

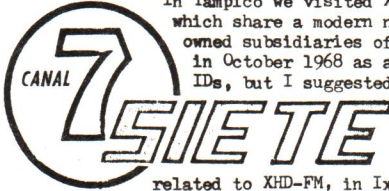
Rosa" and #10, "Disneylandia". Sensitive American Chicanos should note, too, that another cartoon series, "Speedy González", airs in prime time.

San Luis Potosí, a beautiful cobblestoned city with a continental atmosphere, is also the largest (almost 300,000) in Mexico without its own TV station. A construction permit issued three years ago is getting nowhere, so now another one has been issued to the manager of XHOB-96.1. It's to relay net-8 and have some local programming. The city's television fans must rely on the Zamorano peak relay stations XEZ-3 and XHZ-5, some 110 miles away. These two stations serve a tremendous area, as far north as Matehuala. But to help them along there, a couple of unlicensed low-power translators, probably on 11 and 13, have been established. Such things are spreading, as viewers in remote areas become impatient for the government to come through with the rural TV network President Echeverría decreed a year ago.

I talked with a west-Texas entrepreneur who supplies the hardware for such translator and cable systems. From him I learned that XHIT-4 Chihuahua had gone off the air, after a last-ditch attempt to survive by converting from a local commercial station to a cultural relay station. This means that several west Texas translators established to repeat it are also off the air. Even when it was on, Spanish-speaking Americans apparently found the afternoon and evening schedule rather xhitty.

Finding out what gives with the "Official" TV stations listed in VUD last year, and with the TCM ones in the last issue remains a difficult problem. I hope to find out something in Piedras Negras and Nueva Rosita in a future expedition.

In Tampico we visited XHGO-TV (channel 7 at left) and XHD-TV, channel 4, which share a modern new plant opened in January 1969. Both are wholly-owned subsidiaries of Televisa (ex-Telesistema). XHD came on the air in October 1968 as a W2 relay; it never has any local audio or video IDs, but I suggested it would be a good idea to start them. Before the new studio was completed, XHGO existed as a 400-watt station at another site. Note that in Mexico the same calls may be assigned to different radio and TV stations. XHD-TV Tampico is not related to XHD-FM, in Ixmiquilpan, Hidalgo.



Speaking of which, Bruce Elving's confusion about the 96.5 Ixmiquilpan outlet and the 106.5 México DF one is easily resolved: the call of the former is XHD, and that of the latter is XHDFM (a five-letter call, to both of which the suffix -FM may be added.) By the way, I cannot recommend official Mexican government lists for timeliness, accuracy or completeness.

**the explanation is simple.**



A less simple explanation will clear up the muddled situation surrounding an alleged "Stereo Jet" station in Tampico heard by Wood and LeBlanc. While in Tampico we visited the studio of the group including Radio Jet. The manager informed us that his link on 89.2 was replaced with one calls to XEOLA. Checking my old logs, I heard the 89.2 station ID as Radio 01a as far back as 28 JULY 1968 (at Enid OK). Perhaps the "JT" led to a conclusion jump. In fact, XES-1240 is the station known as Radio Jet; and all programming is in Spanish. It seems quite likely the station heard was instead XHRA, the new all-English outlet in Guadalajara nominally on 89.1. Wood puts it closer to 89.0 (and it does round to 89 in its IDs), but possibly it varies upward to 89.2 to compound the confusion. By the way, none of the other links appearing in old lists for Tampico and Ciudad Madero were heard while there. Further proof that FMDXers, like their ECB and SW counterparts, should make a practice of measuring frequencies of all foreign stations Dxed is the case of Tampico's only active FM station, XHOX, "Estereoritmo". We heard it in Texas before the trip on 95.36, nominal 95.3. Three or four visits to this automated station atop the Inglaterra Hotel proved that it was truly unmanned, with Gates equipment chugging along on its own. A notice on the window gave 28 November 1972 as the authorization date, power 3.6 kW with an FM 2.5 H3 transmitter. XHOX has good coverage for its power, at least when elevation permits. It was the only station heard at a pass 8½ miles south of the Tropic of Cancer (at 110 miles) and westward from Tampico it lasted almost to Valles.

outside the FM band at the end of December. But even before this the 75-watt link never IDed as "Radio Jet," much less "Stereo Jet", since it served as a link from Tampico to Altamira for another station under the same roof, Radio 01a (XEJT-1460, recently changing ID as far back as 28 JULY 1968 (at Enid OK). Perhaps the "JT" led to a conclusion jump. In fact, XES-1240 is the station known as Radio Jet; and all programming is in Spanish. It seems quite likely the station heard was instead XHRA, the new all-English outlet in Guadalajara nominally on 89.1. Wood puts it closer to 89.0 (and it does round to 89 in its IDs), but possibly it varies upward to 89.2 to compound the confusion. By the way, none of the other links appearing in old lists for Tampico and Ciudad Madero were heard while there. Further proof that FMDXers, like their ECB and SW counterparts, should make a practice of measuring frequencies of all foreign stations Dxed is the case of Tampico's only active FM station, XHOX, "Estereoritmo". We heard it in Texas before the trip on 95.36, nominal 95.3. Three or four visits to this automated station atop the Inglaterra Hotel proved that it was truly unmanned, with Gates equipment chugging along on its own. A notice on the window gave 28 November 1972 as the authorization date, power 3.6 kW with an FM 2.5 H3 transmitter. XHOX has good coverage for its power, at least when elevation permits. It was the only station heard at a pass 8½ miles south of the Tropic of Cancer (at 110 miles) and westward from Tampico it lasted almost to Valles.





Something's fishy in Ciudad Victoria, a pleasant, prosperous state capital in a picturesque foothill setting. XEBJ, "Canal 97 con Radio...Actividad!" is certainly active near 92.0 MHz, but in separate visits with the manager and a staff member, both adamantly maintained it was on 88.8 (as frequently announced) and served only as a link with some 10 watts' power. The black box they said was the transmitter certainly didn't look capable of much more, but a four-bay antenna provides a good signal some 45 miles north on a hilltop. I was about to write this off as a monumental case of frequency drift till Russ Brown's report came to hand that he saw a billboard advertising the frequency as 92 MHz, during his Mexico trip last summer! Russ also noted the broad coverage of the station, but put it around 91.7. I could not measure frequencies precisely during the trip, but when heard in Oklahoma in 1968, it was on 92.0. Well, at least it's on, as a DX target....

It might cause problems, however, if a CP in the next city down the road, Ciudad Mante, ever comes on 91.9. The manager at XECM-1450 at first didn't seem to know about it, but we finally decided it is assigned to XECM owner Ricardo Lopez Mendez (matching the call, XHRLM), who keeps in contact with Mante by radio from his Mexico City residence. No transmitter has arrived and I wouldn't expect it in the near future. Another Mante broadcaster explained that Mante is a town with much lower median income than Victoria.

Back in Matamoros, bad news for QRP DXers! XEO, Radio Gallito moved its 88.2 link to 217.125 MHz in February or March (I never heard a trace of it on 88.2). Supposedly the government is requiring all such links to move out of the 88-108 MHz band. XHMS-98.1 began using "La Chica Musical" slogan about two months ago (apparently shortly before I heard it 17 January). They were unaware of a namesake in Monterrey on the same channel.

In San Luis Potosí three FM stations are now active, with more on the way. KHOB-96.1 was first, in late 1970 or early 1971. Now known as "Canal de Lujo" it has a subcarrier and plans to add stereo shortly. XHOD-96.9 was next, on 20 February 1971. The manager and I had an informative discussion; he is waiting for the third station to build up a market for stereo before converting his station. Presently, operators juggle dozens of 7-inch reels laid out on a table, each containing one advertiser's spots. XHTL-99.3, however, has hardly any advertisers; they've been slow to sign up so "Estereonuevo" continues to announce as "testing" ever since its 17 October 1972 airdate. When I was there the schedule was limited to 1000-2100 pending the arrival of a large-music shipment. San Luis FM stations did not become audible until Puerto Altamira pass, some 25 miles east. XHTL had slightly inferior coverage though it seemed on a slightly higher building.

Approaching Saltillo from the SE we wondered whether the mile-



high city had an FM station or not; it finally became audible over the limited coverage area its 500-watt power would imply. A new 1000-watt stereo transmitter is on the way.



With time running out, we had to by-

pass Monterrey this trip, but some signals escaped the solid smog layer enshrouding the city. XET-94.1 is notable in that it carries Radio Nederland and Deutsche Welle transcriptions, sometimes inserting commercials within them!

Texas FM stations penetrated well into Mexico. While searching for XHRP near Saltillo, we heard instead KRLY-93.7 Houston (455 miles), probably as a combination of tropo and knife-edge over Monterrey-area mountains. Highpowered KELT-94.5 and KBFM-104.1 in the Rio Grande Valley made it to an area west of Tampico, about 275 miles, and a bit further on, east of Ciudad Valles, KVMV-96.9 and KQXX-98.5 McAllen came in.

Mexico recently established a radio monitoring network. We visited one of the primary stations, on a side road from San Fernando Tamps., to find an impressive array of German receivers, but few antennas and fewer people doing any monitoring. A mention of XHOX's being off frequency didn't seem to concern our guide. But our reception was much more hospitable than at the FCC monitoring station in Kingsville TX. Lacking special permission from Washington, we were not allowed to enter. Another contrast between the two countries is the pride with which Mexicans regard their nationwide microwave network. Rather than the American aura of mind-your-own-business security, sideroads to Mexican microwave stations are clearly marked.

We believe the following lists to be the most accurate and up-to-date available outside, or inside, Mexico, since they are based on industry sources and actual monitoring by this writer, Russ Brown and Richard Wood. Aired slogans are in 'quotation marks'.

<b>Key to formats:</b>	cu cultural	mo modern	of old favorites	vo vocal
an ambiental	dp sports	mx mexican	ra ranchera	xc foreign
(background)	EE English	mr middle of road	re regional	transcriptions
au automated	io international	no nortena	ro romantic	
cl classical	is instrumental	nv novelas	rq requests	Good DX and
co continental	ju juvenil (top 40)	nx news	va varied	73, Glenn.



# LA FM MEXICANA

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MHz	KW	Call	Location	Slogan	Notes	Format	\$	CST
88.1	0.05	XESU-	Mexicali BC	link for 790; probably off		ra au		07-21
	0.06	XEVH-	Vallehermoso Tams	link for 1450; may be off		va		06-22
88.2	0.08	XEBJX-	Tuxpan Nay	link for 810; may be off		va nv		07-23
	0.08	XEBL-	Culiacán Sin	link for 710; may be off		ra		07-24
88.4		XERCN-	México DF	'Onda 111' 'Radio Cadena Nacional'				06-24
				hrd Jan 73; 1110 link	no ra nv nx			
88.5	1.7	XHCM	Cuernavaca Mor	'89'		ju mo is		08-24
88.8		XESS-	Ensenada BC	link for 1450; may be off		va au		08-02
88.9	40.	XHM	México DF	'Un Oasis en FM'		am io au		24h
89.1	30.	XHRA	Guadalajara Jal	'Stereo Jet 89'		EE	\$	07-24
	1.	XHRZ	Nogales Son	CP				
89.3	3.3	XHNP	Puebla Pue	CP; not on Oct 72				
89.6	0.075	XEWV-	Mexicali BC	'R Felicidad' 940 link prob.	off ra au			09-03
89.7	12.	XEBS-	México DF	'La Chica Musical'		ro mx		07-01
90.0		XENV-	Monterrey NL	link for 1340 hrd Mar 73		ro au		24h
90.1		XHXL	Monterrey NL	CP, to replace XENV-90.0				24h
90.2	0.05	XEBH-	Hermosillo Son	'La Pantera' 920 link may be off		EE	\$	07-24
90.3	100.hv	XHIS	Tijuana BC	'H-I-S' San Diego		EE	\$	24h
90.5	44.5	XEDA-	México DF	'R Imagen'		io		07-01
90.9		(XEW)	México DF	'La Voz de la América Latina desde México'				06-24½
				link for 900 hrd Jan 73 va nv nx dp				
91.3	3.1	XETRA-	Tijuana BC	'Extra Music' link for 690		EE am		24h
	4.9	XHRSM	México DF	'R Sinfonia de México'		io		08-24
	3.8	XHJL	Guadalajara Jal	'Estereomundo 91 FM'		is vo io nx	\$	07-01
	1.	XHPT	Córdoba Ver	CP				
91.5	1.	XHJE	Mexicali BC	CP; tentatively hrd Feb 73		is mx		-24+
91.9	3.7	XHRLM	Ciudad Mante Tams	CP; but not yet UC Mar 73				
	4.	XHPC	Córdoba Ver	CP				
92.0v	3.?	XEBJ-	Ciudad Victoria Tams	Canal 97 con Radio Actividad'		au	0555-2245	
				nom 10w on 88.8; hrd Mar 73; may vary				91.7-92.1
92.1	17.7	XHFO	México DF	'R Triunfadora en FM'				
92.3	5.	XHOI	León Gto	'La of en León'				
	4.	XHCD	Guadalajara Jal	'Stereo-Tricolor'			\$	
92.5	30.	XHSRO	Monterrey NL	'Stereokey'		io is mo	\$	07-01
	5.2	XHZM	Puebla Pue	new; hrd in Oct 72			\$	
92.9	3.3	XEQ-	México DF	link for 940		va		06-24
93.2	3.3	XHQQ	Monterrey NL	'R Actualidades' link XEH-1420		ju nx		06-24
93.3	50.	XHH	Ciudad Juárez Chih			au		24h
93.5	0.9	XHYN	Irapuato Gto			io is +vo; mx; is; ju		07-23
93.7	10.	XHPX	Ciudad Juárez Chih	'Canal de Oro'		va	\$	07-01
	3.1	XEJP-	México DF	'R Variedades' link for 1150		mo		24h
	0.9	XHPA	Acapulco Gro	'R Concierto Acapulco'				
	0.9	XHNOE	Nuevo Laredo Tams	'Estereorama'		va	\$	0655-23
93.9	1.	XHMO	Morelia Mich	'R Amistad' often off, not \$		io rq au		07-22
	4.	XHQT	Nogales Son	'Stereokey' CP			\$	
94.1	5.	XET-	Monterrey NL	'Estereo 94'		is mo xc	\$	24h
	1.	XHJE	Puebla Pue	'La Chica Musical'				
	3.4	XHOH	Veracruz Ver	CP				
94.3	0.5	XHRP	Saltillo Coah	'La Dulce Compania'		ro		08-22
94.5	3.3	XHTY	Tijuana BC	CP				
95.1	3.7	XHNH	Irapuato Gto	CP				
95.3	1.	XHSU	Chihuahua Chih	CP				
	3.5	XHSH	México DF	'R Amistad'		io va au		07-01
95.36	3.6	XHOX	Tampico Tams	'Estereoritmo' nom 95.3		io va au	\$	-01+
95.5	20.	XHRO	Guadalajara Jal	Stereokey		io co mo	\$	07-01
95.7	2.	XHCT	Cuernavaca Mor	R Felicidad				08-24
96.1	0.9	XHQS	Tijuana BGN	CP				
	1.	XEUN	México DF	'R Universidad' link for 860		cu cl		07-01
	3.9	XHOB	San Luis Potosí SLP	'Canal de Lujo' soon \$		io ro va		0645-24
	1.	XHON	Tampico Tams	CP				
96.4	3.	XEJB-	Guadalajara Jal	'Casa de la Cultura' link for 630		cu		14-23

96.5	0.9	XHTA	Piedras Negras Coah	'R Felicidad'					
	1.	XHD	Ixmiquilpan Hgo				cu		
	0.8	XHRK	Monterrey NL	'R Fiesta' link XEBJB-570			re		0730-24
	4.	XHOP	Villahermosa Tab	CP					
	10.	XHRN	Veracruz Ver	CP					
96.9	3.7	XHUZ	Ciudad Acuña Coah	CP; not on Apr 73					
	19.7	XEW-	México DF				mo ju		07-03
	3.9	XHOD	San Luis Potosí SLP	Otra Dimensión not \$			io cl		07-01
	3.9	XHNG	Tampico Tams	CP					
97.1	60.	XEBA	Guadalajara Jal	Stereo-Pop!--música feliz au			io mo ju	\$	24h
97.3	1.9	XHRE	Piedras Negras Coah				au		
97.7	3.6	XHQF	Tijuana BCN	CP					
	1.1	XERC-	México DF	'R Exitos' link for 790			mo io		24h
	0.9	XHNF	Tepic Nay	CP					
	12.	XHGL	Mérida Yuc				is va		0715-2245
97.9	60.	XETIA-	Guadalajara Jal	'Fórmula Melódica-Música para Enamorados'				\$	24h
98.1	20.	XHRL	Monterrey NL	'La Chica Musical'			au vo io mo ju	\$	07-02+
	3.3	XHML	Matamoros Tams	'La Chica Musical'			is io am	\$	09-2245
98.3	20.	XHLG	León Gto	'Fórmula Melódica'			vo ro mx io		
98.5	1.	XHRD	Tijuana BC	Fórmula Melódica CP					
	1.2	XHPL	Ciudad Acuña Coah	'FM 98'			io va		07-24
	50.	XELA-	México DF	'Buena Música' simulcast 830			cl		07-01
	4.	XHQK	San Luis Potosí SLP	CP					
98.7	2.6	XHLC	Guadalajara Jal	'R Estéreo 99'			is io vo mx	\$	07-24
98.9	3.6	XHNX	Toluca Méx						24h
99.3	4.7	XHRM	Tijuana BC	'R Moderna FM'			mx is EE		09-03
	0.4	XHMS	Monclova Coah						
	0.9	XHEM	Ciudad Juárez Chih				is io mx		07-01
	120.	XHPOP	México DF	Stereo-Pop--música feliz				\$	06-24
		XHNQ	Acapulco Gro	CP					
	3.7	XHTL	San Luis Potosí SLP	'Estéreo Nuevo'			au	\$	07-23
	1.	XHNK	Nuevo Laredo Tams	inactive					
	3.7	XHRN	Tampico Tams	CP					
99.5	20.	XHVG	Mexicali BC	'Stereoery' 'La Estrella Grande'			io mo	\$	09-03
99.7	1.4	XHOA	Toluca Méx	CP					
	4.	XHSP	Monterrey NL	CP				\$	
	8.	XHPB	Veracruz Ver	'PB Estéreo'			is va	\$	07-01
99.9	20.	XHSO	León Gto	'Stereoery' inactive Sep 72			io mo	\$	07-01
100.1	60.hv	XHERS	Tijuana BC	'Hers' San Diego			EE ro		24h
	3.7	XHMM	México DF	R Maranatha México			io		09-23
	7.6	XHSE	Acapulco Gro	'Stereoery'			io mo	\$	07-01
	3.6	XHPM	San Luis Potosí SLP	Stereoery CP not on Mar 73				\$	
	3.8	XHVA	Tampico Tams	Stereoery CP not on Mar 73				\$	
100.3	1.8	XEAV-	Guadalajara Jal	'R Guadalajara Canal 58' 580 link					0555-01
	3.7	XHMG	Monterrey NL	'FM Cien' nominal 100.5			io		24h
100.5	1.	XHRJ	Toluca Méx	CP					
100.9	9.6	XHTO	Ciudad Juárez Chih	'Stereoery'			is mo EE	\$	07-01
	58.7	XBOY-	México DF	'Estéreo Mil'			ju mo mx io	\$	07-01
101.1	9.9	XHMA	Guadalajara Jal	R Latino			mx ro	\$	07-24
101.3	0.9	XHZA	Toluca Méx						
	40.	XHPR	Veracruz Ver	PR Radio					
101.7	39.8	XEX-	México DF	'La Voz FM de México'			mo io		06-24
101.9	50.	XEAD-	Guadalajara Jal	Stereo-Rock!			ju mo	\$	24h
102.1	20.	XHVE	Veracruz Ver	Stereoery			io mo	\$	07-01
102.5	4.	XHBC	Sabinas Coah						
	100.	XHV	México DF	'Stereoery'			io mo	\$	07-01
102.7	200.	XEHL-	Guadalajara Jal	Action Radio! CBS+NBC nx			mr EE au		24h
102.9	28.4	XHTS	Veracruz Ver	'Estéreo Oro'				\$	
103.3	29.7	XERP-	México DF	'R Juventud Canal 66' 660 link			ju mo		06-02
104.1	29.7	XEDF-	México DF	'R Distrito Federal' 970 link			au		06-02
104.5	1.	XEHU-	Martínez de la Torre Ver						07-24
104.9	18.5	XHBST	México DF	'Stereo Best'			NBC nx EE au	\$	24h
105.7	10.	XHOF	México DF	Departamento Central			cu		
105.8	1.	XEOD-	Veracruz Ver	link for 1090			ju mo		07-19
105.9		XHTB	Cuernavaca Mor						
106.5	120.	XHDFM	México DF	'Fórmula Melódica-Música para Enamorados'					24h
107.2		XEFX-	Guaymas Son	link for 630			au		07-19
107.3	1.1	XEQR-	México DF	'R Centro' link for 1030			of		24h



# LA TELEVISION MEXICANA

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Ch. Off.	kW	Call	Location	Net	Local Origin	sked (GST)	Comments
2	+	20.	XHIA-	Torreón Coah	8		
	0	40.	XEPM-	Ciudad Juárez Chih	2		
	-	5.4	XHCH-	Chihuahua Chih	L+8	Mon-Sat 0730-1200	
		100.	XEW-	México DF	2	Sun 1045-1145	
		1.2	XHAP-	Acapulco Gro	2		
		0.1	XH	Atoyac de Álvarez Gro	2		
		13.9	XHW-	Guadalajara Jal	2		
		8.	XHI-	Ciudad Obregón Son	L	1600-2300	
	+	1.5	XHFA-	Nogales Son	2		
	+		XHCR-	Matamoros Tams	8	CP	
	0	60.	XEFE-	Nuevo Laredo Tams	L+2	net 2 irregular after 2300	
		14.2	XHFM-	Veracruz Ver	8		
3	0	100.	XHBC-	Mexicali BC	L	1730-0230	
	-	13.5	XHJMA-	Hidalgo del Parral Chih	8		
	+	100.	XEFB-	Monterrey NL	L	1100-2400 daily; local live color	
		30.	XHP-	Puebla Pue	L+8	0715-net 8 opening	
		100.	XEZ-	Cerro del Zamorano Qro	2	*Sun 1045-1145	
		24.	XHQ-	Culiacán Sin	L	1730 (Sun 1700)-2300	
		12.2	XHCV-	Coatzacoalcos Ver	2		
		120.	XHY-	Mérida Yuc	L	1500 (Sun 0930)-2400	
		5.	XHBO-	Oaxaca Oax		CP	
4.	0	4.	XELN-	Torreón Coah	L		
	+	43.	XHIT-	Chihuahua Chih	L	now reported off; was 1600-2400	
		100.	XHTV	México DF	L+4	Mon-Sat 0715-1430	
		12.	XHAL-	Acapulco Gro	4		
		20.	XHG-	Guadalajara Jal	L	1630 (Sat 1430)-2400	
			XHAF-	Tepec Nay	8		
		110.	XHBS-	Los Mochis Sin	2	may also serve Ciudad Obregón Son	
	0	40.	XHD-	Tampico Tams	2		
5	+	10.6	XHAQ-	Mexicali BC	2		
	+	8.	XHAE-	Saltillo Coah	2		
		1.	XHCC-	Colima Col	11		
	0	37.3	XEL-	Ciudad Juárez Chih	L	1700-2400	
	-	6.	XHFI-	Chihuahua Chih	2		
		100.	XHGC	México DF	L+5	0700-2430 (Sun 1115-2330)	
			XH	Gro	4		
		100.	XHZ-	Cerro del Zamorano Qro	8		
		100.	XHAJ-	Las Lajas Ver	5		
6	0	100.	XETV	Tijuana BC	ABC	Operates as US station in English	
		81.	XEHL-	Guadalajara Jal	L	W 1530, Sat 1500, Sun 1600 -2400	
	0	80.	XET-	Monterrey NL	8		
			XHTI-	Puebla Pue	?	CP?	
	-	1.6	XEWH-	Hermosillo Son	2		
7	-	16.6	XHAD-	Saltillo Coah	L+8		
		24.5	XHAA-	Tapachula Chis	2		
		0.1	XHBZ-	Colima Col	2		
		0.2	XH	Ciudad Guzmán Jal	2		
		32.5.	XEX-	Paso de Cortés Mex	4		
		0.4	XHBN-	Oaxaca Oax	2		
		2.	XH	Chetumal QR	2		
		18.5	XHBT-	Culiacán Sin	2		
		8.5	XHMZ-	Mazatlán Sin	8		
	-		XHTN-	Nogales Son		CP	
	0	80.	XHAB-	Matamoros Tams	2		
		50.	XHGO-	Tampico Tams	L	1630-2330; Sun also 1000-1300	
8		250.	XHBD-	Aguascalientes Ags	2		
		8.	XHTX-	Tuxtla Gutiérrez Chis	L+2	1100-net 2 opening	

8	0	12.	XHBU-	Ciudad Jiménez Chih	2	
		190.	XHTM-	México DF	L+8	Mon-Fri 1400-1600; Sun 1030-1330; Mon 0030-0230 Sun 1430-1645
	0	1.6	XEJS-	Hermosillo Son	L	2000-2300; cultural; status uncertain
		1.7	XH	Córdoba Ver	2	
		316.	XHAH-	Las Lajas Ver	2	+Sun 1045-1145
		4.5	XHBF-	Navojoa Son	2	
		5.5	XHBQ-	Zacatecas Zac	2	
9	+	5.	XHBW-	Monclova Coah	2	
		75.	XHGA-	Guadalajara Jal	L+8	W 0730- Sat 1200- Sun 0830-net 8 begin
		316.	XBQ-	Paso de Cortés Méx	2	+Sun 1045-1145
		47.4	XHTQ-	Querétaro Gro	5	
		50.	XHPV-	Tampico Tams	L+8	Sun afternoon only
		95.	XHTP-	Mérida Yuc	2	
10		7.	XHK-	La Paz BC Sur	L	
		0.8	XHA-	Durango Dgo	2	
		150.	XHL-	León Gto	L+2	mornings
		2.8	XHKW-	Morelia Mich	2	
		0.5	XHCB-	Tepic Nay	2	
	+	316.	XHX-	Monterrey NL	2	
			XHHK-	Ciudad Obregón Son	8	CP
	0	2.7	XHTH-	Hermosillo Son	8	has Thompson-Houston xmr...
	-	325.	XHAI-	Las Lajas Ver	4	
11	+	10.9	XHO-	Torreón Coah	2	
		300.	XEIPN-	México DF	L+11	W 1600-1800, 1930-2000; Sat 1400-1700, 1800-2300; Sun 1700-2300
	-	2.4	XHTK-	Ciudad Victoria Tams	2	
	0	3.5	XHBR-	Nuevo Laredo Tams	2	net-2 transfers to XEFE-2 after 2300
12	0	60.	XEWI-	Tijuana BC	L	1800-0130
		13.67	XHAN-	Campeche Cam	2	
		5.3	XHPN-	Piedras Negras Coah	11?	CP? status uncertain
		3.8	XHND-	Durango Dgo		CP
		2.	XHHK-	Chilpancingo Gro	2	
	0	99.8	XHAW-	Monterrey NL	L	'Docevision' W 1215- Sat 1230- Sun 1330- 2400
		2.	XHCG-	Los Mochis Sin	8	
	0	29.9	XHOW-	Mazatlán Sin	L+2	1000-net 2 begin
		2.	XHAK-	Hermosillo Son	L	'Tele-Doce'
13		3.76	XHAG-	Aguascalientes Ags	5	
		190.	XHDF-	México DF	L	'Trecevisión Activa' W 1155-0130; Sat 0950-0130; Sun 0915-0200
			XHBL-	Culiacán Sin	8	
		7.	XHLL-	Villahermosa Tab	2	
	-	0.3	XHUT-	Ciudad Victoria Tams	8	
		54.	XHST-	Mérida Yuc	L	
14		41.5	XHBM-	Mexicali BC		CP? status uncertain
23	0	1.	XHS-	Ensenada BC	L	1800-0200
45		171.5	XHBJ-	Tijuana BC		CP? status uncertain

Explanation: Offset allocations limited to border areas; may vary up to 10 kHz. Powers are likely visual ERP; sources often conflict. "L" in Net column means local origination whether recorded or live; few stations have local live color; CP = construction permit. Net-5 programming is often replaced by local origination on XHGC itself. Net affiliates carry at least the following schedules (not shown above):

Net 2 : Weekdays 1400-2430 Saturdays 1500-2430 Sundays 1145-2430

Net 4 : Weekdays 1400-2430 Saturdays 1500-0130 Sundays 1430-2430

Net 5 : Weekdays 1400-2430 with numerous breaks; Saturdays 1230-1530, 1730-2430 with breaks; Sundays 1115-1900 and 2000-2330

Net 8 : Weekdays 1600-2430 Saturdays 1400-2430 Sundays 1330-1430, 1630-2430

Net 11 : Weekdays 1800-1930, 2000-2330 Saturdays 1200-1400, 1700-1830 with variations

Sign off times vary widely depending on final movie/program length; however network service customarily terminates promptly at 0030.

Translators not known to be 100 watts or more; official stations and others whose existence have not been confirmed are omitted from this list.



# FCC FM NEWS

Bruce F. Elving, Editor. For comments or reports use this address from now on:

P. O. Box 24; Adolph MN 55701, U. S. A.

Here's another long and, I hope, interesting column, thanks to a tremendous amount of response to this column from WFTDA member-readers.

## New Construction Permits

Fayette AL 98.1 100000 h,v; 356'  
 Fremont CA \*89.3 194 60'  
 Jackson CA 94.3 175 1076'  
 Tifton GA \*90.5 10

Kahala-Nui-Aina Haina (Honolulu) HI  
 K209AA \*89.7\$ [KTUH \*90.5 Honolulu; the first translator granted to an educational station, & to a 10-watter!] 10

Rensselaer IN 97.7 3000 245'  
 Grantling LA \*91.3 10  
 Portland ME \*90.1 4800 1920'

Baltimore MD \*90.3 10 Board of Education  
 Oak Park MI \*90.3 10

Pipestone MN \*91.7\$ 99000 800'  
 Stanfort MT K221AE 92.1\$ 10 [KOPR-FM 106.3 Great Falls translator]

Dix Hills NY \*88.9 10 [Not in New York city as reported last month; Dix Hills is about in central Long Island!]

Bend OR 100.7 50000 h; 20000; 5200'

Klamath Falls OR KLAD-FM 92.5 27400 30'

Pittsburgh PA \*91.5 840 519'  
 Yankton SD 104.1 100000 430'

Olivehill TN \*89.1 1500 218'  
 Columbus TX 98.3 3000 195'

Grandview or Sunnyside WA - New grant; no specific info. Also unsolved: last month's mystery about Bloomsburg or Selingsgrove, and "KQOL" Yakima WA.

Hartford WI 104.9 3000 295'  
 [Before this station can come on the air WTTN-FM 104.7 Watertown will have to move to 94.; so far they have not even applied to do so, to my knowledge!]

Kewaunee WI 92.7 3000 300'

## On the Air and DX Ready

Troy AL WTUB 105.7 100000 h,v; 410'  
 Danbury CT WXCI \*91.7 10

Lockport IL WLRA \*88.1 250 h,v; 95' [No sign of this one in Milwaukee, even with the frequency clear of WPEE, WNTH.]

Columbia MO KOPN \*89.7 10  
 Romney WV WJGF \*91.5 10

Some abbreviations used here: h: horizontal; v: vertical effective radiated power in watts. l: height above average terrain in feet. \*: educational station. \$: Stereo. FM: Frequency modulation.

## Changes in Facilities

Jonesboro AR KASU \*91.9 100000 510' Grant from the Dept. of Health, Education & Welfare.

Greeley CO KGRE 92.3\$ 25000 470'  
 Washington DC WAMU \*88.5 50000 500'

Miami FL WAIA 97.3 98000 790'  
 Sarasota FL WQSR [Calls changed from WSAF-FM] 102.5 to 100000; 570'

Mattoon IL WLBH-FM 96.9 50000; 500'  
 Rock Island IL WVIK from \*90.9 to \*91.1 [10 w]

Cedar Falls IA KHKE from \*88.1 to \*90.9 100000 h,v; 1610'; HEW grant (this is the reason WVIK and the next two are changed frequencies).

Cedar Rapids IA KCOE-FM from \*90.5 to \*90.3 [10 CKCK-FM " " \*91.1 " \*88.3 [10]

Detroit MI WNUZ 103.5 89000 v (115000 h; 300')  
 Franklin NJ WSUS 102.3 360; 750'

Ithaca NY WFCU-FM 97.3\$ 26000 h,v; 880'  
 Elizabeth City NC WMYK 93.7 to 440' (100000)

Cleveland OH WQAL 104.1 to 29000 (630')  
 Columbia SC WXYR 93.5 1500 h,v; 400'

Mobridge SD KOLY-FM 99.5 56000 h,v; 560'  
 Dallas TX KVTT \*91.7 to 69' (780 w) Reduces coverage.

Norfolk VA WNOR-FM 98.7 46000 h,v; 520'  
 Seattle WA KBLE-FM 93.3 36000 (1070')

## Dual-City Identifications Granted

Vacaville CA KVFS 95.3 to Vacaville-Fairfield (near Travis AFB) CA

Lewiston ME WBLM 107.5 to Lewiston-Auburn ME

## Licensed with Higher Power (Selected)

Sunbury PA WKOK-FM 94.1 12500 h,v; 875' \$?  
**Extensions of Construction Permits (Selected)**

Sarasota FL WKZM 105.5 to March 19, 1973: Should be on the air by now!

Des Moines IA WHO-FM 100.3 to June 26, 1973 for 100000 v; 87000 h; 1700'

Ironwood MI WJMS-FM to August 1, 1973

## Call Letters Assigned

Anchorage AK 102.1 KJZZ (was KWKO) Jazz format?

Little Rock AR 94.1 KEZQ (KRAA)

KEZO is the first-listed of many, many new stations with "Q" in their call letters: a trend with quadrasonic broadcasting in mind? Count all the Q stations in the next column!

Anaheim CA 95.9 KEZY-FM (KEZR)  
 San Bernardino CA 95.1 KQLH  
 New Haven CT \*88.7 WNHU, according to Shelby Remington, West Haven

Waterbury CT 92.5 WENU-FM (WATR-FM)  
 De Funiak Springs FL 103.1 WQUH

Live Oak FL 98.1 WQHL  
 Venice FL 92.1 WQHW

Chicago IL 103.5 WFYR (WKFM): Now with "oldies"; mostly rock.

Reports that WEFM 99.5 was to change to WICV not confirmed by the facts: WEFM still viable as of 4-15-73, and may stay that way, pending the outcome of a citizens' appeal of an FCC decision to transfer the station's ownership and change programming from classical to rock.

Lake Forest IL \*88.9 WXXM  
 Normal IL 96.7 WIHN

Winnebago IL 95.3 WYFE-FM (WRV1)  
 Jeffersonville IN 95.7 WQHI

Fort Madison IA 101.7 KQGI-FM  
 Georgetown KY 103.1 WQHQ

Grayson KY \*91.5 WIXS  
 Louisville KY 103.9 WFIA-FM

Shreveport LA 101.1 KRMD-FM (KJKL); From gospel to country music, says Richard Wood, Baton Rouge LA.

Presque Isle ME \*91.1 WUPI (WASA-FM)  
 Havre de Grace MD 103.7 WHDG (was/)

Newbury MA \*88.7 WQLI  
 Worcester MA \*91.3 WCWU

Munising [not Wetmore] MI 98.3 WQXO  
 Muskegon Heights MI 101.7 WOIH

Amory MS 95.3 WQHY  
 Columbus MS 103.1 WJWF (WMCB-FM)

West Point MS 100.9 WQLH  
 St. Louis MO 92.3 KFMS (WIL-FM)

Albany NY 106.5 WHSH (WTRY-FM)  
 Rochester NY \*91.5 WXXI-FM

Galion OH 102.3 WQHR  
 Gambier OH \*91.9 WKCO

Hamilton OH 103.5 WYCH (WHOH)  
 Oklahoma City OK \*88.9 KGOV

Pittsburgh PA 94.5 WPEZ (WWSW-FM)  
 99.7 WSSH (WJAS-FM)

Georgetown SC 106.3 WSHG  
 Dallas TX 100.3 KTLK (KBOX-FM)

Newport WA \*91.5 KUBS

Late word from Bruce Rummel, Box 103, Mertztown PA 19539, has it that KAPA \*89.7 Colorado Springs CO does indeed radiate. "It is not a pirate operation, but rather an operation granted by the Department of Defense with the approval of the FCC. The use of the call letters may be assumed. The station is at the U.S. Air Force Academy, and has been operating since 1968. Power, antenna height unknown." Bruce also says the U. S. Military Academy, West Point NY, has been authorized a 10-w \$ station on 89.3; the U. S. Air Force will construct a 225 watter on 101.1 at Shenya (Shemya?) AK, and a 50-watter on 101.1\$ at Johnston Atoll [located 1000 miles WSW of Hawaii]. Bermuda's ZFB-FM in "Devonshire" [a neighborhood of Hamilton?] 94.9 [not 95.0] is 12000 h,v 24 hours MOR, as is ZBM-FM 89.1 in "Prospect, Devonshire (?)," with 15000 h,v; both stereo. There are also U. S. military FM stations on ships, which Bruce is attempting to learn more about. Last month's report on Adak is corrected to read AK, not AL.

In less esoteric news, Bruce reports that WEZV 95.1 Bethlehem PA is still monaural, and WUSV \*89.9 Scranton PA still has not been supplanted by WVIA-FM, "as the latter has not even burped yet." WXRA 105.9 Woodbridge VA was noted with their new \$tereo country and western music with surprise; "not long ago they were mono. . . WHUR 96.3 Washington DC still mono; Black soul would sound so much better in stereo, I think. And finally, WQRK 104.5 Norfolk VA has recently switched to rock music with their call letter change; they were once country and western WTID-FM. Still \$tereo, and 24 hours."

Before going any farther, it may be helpful to indicate just what kind of "FCC-FM" news I attempt to cover in this column. Basically, I feel that the column is mislabeled, since it tries to cover more than station changes just under the jurisdiction of the U. S. Federal Communications Commission. As you can tell from the preceding page, it attempts to cover station activities within the U. S. and territories that are not under the FCC's jurisdiction (including military, pirate, and extra-legal stations of all types employing FM and broadcasting within 87.5 and 108.0 MHz). Furthermore, since the WTPDA is a worldwide organization [in name as well as in purpose], I try to present news of new FM stations and changes in other parts of the world, particularly in North America, where the majority of our readers live. Canada, Mexico, and West Indies news is especially welcome here.

Within North America, this column's information sources are best for the United States, good for Canada, fair for Mexico, and sporadic for the other areas. For these areas we attempt to list all new stations, call letter changes, facilities changes (such as changes in effective radiated power, the addition of vertical polarization and stereo, and antenna height changes), significant program format changes, and stations deleting and going off the air. We do not list ownership changes, except if there's a controversy (such as surrounding the sale of Zenith's WEFM 99.5 Chicago) or other special reason for doing so; news of new studio locations; or news affecting auxiliary transmitters or antennae. We will selectively give information on 67 kHz background music or other specialized subcarrier transmissions [see John Ebeling's report next page], but do not normally indicate network affiliation information, or news of the rapidly-changing world of four-channel broadcasting. Operating schedules or changes therein are listed selectively.

To give an example of how this column gives FCC news, here are the steps leading to the granting of a new FM station, and just what this column shows from among those steps. First an application is tendered for filing; then it is accepted for filing by the FCC. Neither of these steps is reported here; there are just too many FM actions, and a lot of the applications now being filed are mutually exclusive with other applications, resulting in hearings and/or long delays before grants are awarded. This practice differs from that of the TV-FCC column, where there is not the volume of station activity now prevalent in FM. Step 3 is the awarding of a construction permit (reported in this column). Then call letters are applied for (not reported). When the call letters applied for are subsequently granted by the FCC, this fact is reported. After construction is completed, the FCC grants "program test authority." This is reported as "On the air and DX ready." If everything goes well, as it does in 99% of the cases, a license is granted (not reported). If something goes wrong, as happened at KCRI Helena AR (see Bruce Higgins' report below), this fact is then noted; otherwise it may be assumed that the final step reported, "On the air and DX ready," means the station will henceforth be broadcasting with the listed facilities on regular schedule.

In case an application goes to hearing before an FCC hearing examiner, no report is made until the FCC renders an "initial decision." This usually remains intact, unless reversed in the subsequent "final decision." Both kinds of decisions are reported.

Bruce Higgins, founder of KHIG 104.9 $\frac{3}{4}$  Paragould AR [now 24 hours 7 days/week 3000 h,v; 253'], reports that KCRI 107.5 Helena AR is being forced to change to 103.1 because of television interference, and are now in \$ at 1300 watts (instead of 49000 w). "They had to reduce power right after getting program test authority due to citizen complaints." On 103.1 they will be 3000 h,v; 260'. And he reports that KBTM-FM 101.9 Jonesboro AR is now \$; "can't miss them, they are wall to wall record changer?" [What kind of music does their "record changer" spew forth?]

Prominent TV DXer Bill Draeb, Kewaunee WI, sent information on Kewaunee's first radio station (see New Construction Permits, previous page), which has applied for the call letters WAUN. "The transmitter will be  $5\frac{1}{4}$  miles NW of me in the east-central part of Kewaunee county," writes Bill. The station will be at a site 725' above sea level, one of the highest points in the county and centrally located. Tower height will be 325', according to a newspaper clipping Bill sent from the Kewaunee Star.



Compiled by John Ebeling, 9209 Vincent Avenue South, Bloomington MN 55431

Brainerd MN	KLIZ-FM 95.7	Muzak	Baraboo WI	WLVE	94.9	Music
Duluth MN	WOTH 103.3	"	La Crosse WI	WWLA	93.3	Music
Mankato MN	KYSM-FM 103.5	"	Brule WI	WHSA	*89.9	
Minneapolis MN	WLCL-FM 99.5	"	Colfax WI	WHWC	*88.3	Various educational or
Willmar MN	KQIC 102.5	"	Delafield WI	WHAD	*90.7	instructional programs
St. Louis Park MN	KRSI-FM 104.1	Music	Green Bay WI	WHKW	*89.3	with music at times.
Collegeville MN	KSJR *90.1	Radio Talking Book for Blind	Highland WI	WHHI	*91.3	Operation is erratic due
Moorhead MN	KCCM *91.1	" " " " " "	Holmen WI	WHLA	*90.3	to need.
St. Paul MN	KSNJ *91.1	" " " " " "	Madison WI	WHA-FM	*88.7	
Eau Claire WI	WEAU-FM 104.5	Muzak	Wausau WI	WHRM	*91.9	
Eau Claire WI	WBIZ-FM 100.7	Mutual Network	Ames IA	KLFM	104.1	Music
Wausau WI	WIFC 95.5	Muzak	Sioux City IA	KDVR	97.9	"
Omaha NE	KFAB-FM 99.9	Muzak	Waterloo IA	KXEL-FM 105.7	"	: Has not been active for several weeks.

John has listened to 67 kHz transmissions for several years, having constructed his own subcarrier adapters, including one built using the schematic found in an old issue of Radio-Television News. As many of you may know, the FCC stopped Lafayette radio from advertising such adapters and receivers, determining that even private, in-home listening is pirating the transmissions of an essentially closed-circuit character. Yet, I believe most FM stations having such background carriers welcome DX reports of these transmissions and will not prosecute those who seek verifications of the sub-carrier signal. Naturally, I feel that the FCC's decision was wrong, and that people should have the right to freely listen and to purchase sets capable of receiving the sub-carriers of FM stations, some of which, as John's list shows, transmit educational and information programs, in addition to background music. To the above list add WGGP 105.1 Duluth as transmitting the MN Radio Talking Book for the Blind on 67 kHz.

John also sent from the Minneapolis Tribune a picture story on how the 775' IDS Tower in downtown Minneapolis would look with the addition of a 65' FM antenna, which would hold the transmitting antennae of six or more Twin Cities area FM stations.

KQWS-FM 95.9\$ Webster City IA is back on the air, reports Robert Baker, Humboldt IA, who says the station (formerly known as KWAU) was silent for two years. "It appears that WHO-FM Des Moines, 100.3, after more than a year of delay is ready to move to the Alleman IA tower, switch to Stereo and change call letters to KLYF. . . I assume KRNT-FM 102.5 Des Moines will also go to the new tower after the fall of 1973."

William R. Hale, Shalimar FL, was shocked to read in the April VUD that "a Fort Walton Beach correspondent claims his local WFTW-FM is not \$." "I have been a part time employee of WFTW since June of 1971, and our FM has always been stereo," Hale writes. "Except for a brief time (about a week) during the end of March of this year that our stereo generator was out, our stereo is great." WFTW-FM is now in the process of installing a new Collins 1 kw transmitter. The correspondent, whose last name is Durrenberger, wrote back and confirmed that WFTW-FM is indeed stereo, and he called the station and found out it is not vertically polarized; he is not sure of his other v findings, either. He did, however, find a strange station on 89.5 without identifications or commercials; and his local cable company also does not know what it might be.

In Canada news, Al Ellis, Brantford, sent an article concerning the possible doom of CJRT-FM \*91.1 Toronto, whose funding by Ryerson Polytechnical Institute cannot continue at the present rate of \$200,000/year, and the provincial government will not bail them out. CJRT's closure, reports Mark Lewis and J. Joel Rosenberg, would put 12 professionals and 14 students out of parttime jobs. "If no more money or alternate funding is found soon, they will begin shutdown operations June 1, 1973." This "would be a sad loss to the 80,000 CJRT listeners, and leave Toronto without a cultural-arts station. CBL-FM 94.1 spews out mainly pre-packaged CBC AM network programming during the evening and weekend hours." Al thinks CJRT is Canada's only jazz outlet; a 24-hour operation. And Al was surprised to read that Adela Ossowski, Erie PA, is having difficulty getting WQED-FM \*89.3 Pittsburgh PA, which he must get quite well. Adela also sends news of CJRT's difficulties, and she speaks of CJRT as mostly a classical music station. She quotes an article in the Toronto FM Guide which asks concerned listeners to write to Premier William Davis at Queen's Park, Toronto. She also said WQLN-FM \*91.3 Erie PA was pleasantly surprised when told them of my reception of their signal in Milwaukee; "also it was the farthest distance they have on record up to February 13th." In response to an earlier appeal in this column, Michael Wimer, New Castle PA, came through with the news that WQED-FM went on the air Jan. 25, 1973.

There's more Canadian news, as given in the March 31, 1973 Billboard (p. 58): The Canadian Radio-Television Commission is reported ready to reveal its FM regulations

soon; it is now 3½ years since the first public hearing was held into how FM should be developed in Canada. "There has been talk of new rules affecting ownership of FM stations by existing AM license holders. . . Observers understand that the commission would like to direct FM into all of the things which AM failed to be. The Canadian broadcasters' claim is that FM is just another radio signal and shouldn't be kept in a unique category by regulations different from those applying to AM. Marketing magazine reports that many broadcasters have been holding back on large-scale FM investment until the regulations are announced. . . 'The industry badly needs a statement of policy because FM needs a shot in the arm and won't get it until we know which way the CRTC wants us to go,' said Don Hamilton, president of the Canadian Association of Broadcasters. 'A lot of people are ready to go with substantial investment in FM', he added."

The CRTC reports that CHOM 97.7 Montreal will be allowed to engage in a new type of experimental programming, with "broadcasting in the language of the majority within its coverage area [?]." CKVL-FM 96.9 Verdun PQ will be permitted to broadcast just in French, rather than in French and English, which it has done since 1950.

In addition to CJRT, two Connecticut stations are faced with difficulties. Mike Collins, Stratford, sends word that the town of Trumbull has ordered WPKN \*89.5 and WSHU \*91.1 [licensed to Bridgeport and Fairfield, respectively] off the air by April 11th. The stations are within FCC regulations, Mike notes, as far as interference to nearby TV sets and radios is concerned, "but the town is ordering them off on an obscure paragraph in the original zoning permit issued when the tower was constructed in 1953. The tower was given zoning on the condition that no transmissions would ever interfere with radios or TVs in the area. It would be interesting to see if the stations do indeed go off, or fight the order, because the FCC has inspected them and found them not to be in violation of the Commission's rules on spurious signals. . . The construction of WNNR \*88.1 Monroe CT is being held up, while the local school board looks at a possible better location for its tower. . . WQAQ \*88.3 Hamden (definitely not on \*88.7, as Shelby Remington also discovered) and WQTQ \*88.3 Hartford will not share time, but will both be fulltime with 10 w. Quebec's CKRL \*89.1, operated by Laval University with 1400 watts will be on the air 50 hours a week, Thursday through Sunday. And Quebec may get a third FM station (in addition to CKRL and CHRC-FM 98.1); it is understood that CBV [AM] may construct an FM sister." Another CT reader sent a clipping saying that WGCT \*90.5 Guilford is still fighting for its life, and is trying to raise privately \$20,000 in addition to \$11,000 already on hand in order to complete construction.

Shelby Remington, West Haven, has checked with New Haven \*88.7, which he says will be known as WNHU (he believes he has heard their carrier), and learned they will operate fulltime, and that there is no "West Haven \*88.7," so it seems safe to delete all references to a West Haven 88.7. WNHU will be nondirectional, also. The program guide of WQAQ \*88.3 Hamden, operated by Quinnipiac College, was enclosed. WQAQ calls its 10 watts "Progressive Radio," and will operate 7 am-2 am Mon.-Fri.; 10-3 am Sat.; 10 am-Midnight Sunday. Shelby notes that many of his area stations shut off their 19 kHz \$ pilot when doing their weekend public service thing (WXIO, WCBS-FM, WPIX-FM New York, for example); in CT WYBC 94.3 sometimes uses mono even for music; none of the \$ 88-92 stations do so, although the biggest stereo/mono switcher in this area is WPCR \*88.5 Amherst MA." In WI WPMR Milwaukee's classical station [96.5] claims it has a policy of shutting the \$ pilot off for selections in monaural lasting three minutes or longer. Allen Rockford says WONO 107.9 Syracuse tries not to play monaural material and if it does, it keeps the \$ pilot on anyway.

Ken Simon, West Palm Beach FL, reports WTMI 93.1 Miami is \$, 24 hours classical, and he sent some FL program format info, including the fact that WMCF 92.7 Stuart has MOR, classical (8-10 pm M-F), and rock (11:05 pm-3 am Sat., Sun.). Both he and William Dickerman sent information on the location of Travis AFB CA. Bill Dickerman, Williamsport PA, says Half Way Tree is three miles north of downtown Kingston, and he thinks Coopers Hill [Jamaica] is at 76W 52 18N04, "let's say about 10 miles northwest of Kingston." WVCD 97.9 Hazleton will definitely be \$, and he was astonished to read in the VUD that the Canadian National Tower is to be the "world's tallest building; it's my understanding that the Sears Tower in Chicago will become the world's tallest building!" At any rate, Al Ellis sent a clipping claiming the CN tower will be the world's tallest self-supporting structure (with antenna), but not necessarily the world's tallest building. The Lancaster PA blind are expected to use the subcarrier of WLAN-FM 96.9 for a wide-coverage area specialized service. WSHH [former WJAS-FM 99.7] is expected to be rock for 90 days, then switch to easy listening after technical work is completed. In Quayaquil, Ecuador, Bill says, HCJB of Quito fame, put an FM \$ on November 1, 1972. And WITF-FM \*89.5 Hershey is advertising the fact they now operate 18 hours a day: 7 am-1 am.

WVPE \*88.1 Elkhart IN is on 8:30 am to 5 pm (4 pm sign off Friday) EST, Mon.-Fri., presumably off during the coming summer. Another 2 pages' worth of news, but havta stop!





# FCC TV NEWS - DATA

Don Ruland, editor  
4448 68th Place  
Kenosha, WI 53140

MAY 1973

## NEW STATIONS ON THE AIR

- Terre Haute, IN--(ch 38) WIIL-TV granted program test authorization 3-29-73 for programming start 4-3-73. Oddly enough, Jack Paar welcomed this station to ABC on his show April 3, indicating they were operating on channel 66 (however, WIIL-TV has been seen here in Kenosha on channel 38).
- Lima, OH--(ch 57 ETV) WOOL granted authority 3-20-73 for programming start 3-24-73. However, both Paul Traska of Buffalo and your editor saw this station 3-24-73 using WBGU call letters, and identifying as "Lima-Bowling Green".

## CHANGES GRANTED IN STATIONS OPERATING

- Moscow, ID--(ch 12 ETV) KUID-TV granted CP 3-15-73 for change to 22.4-kw aur., 1050' AAT.
- Chicago, IL--(ch 7) WLS-TV granted CP 3-15-73 for change to 44.7-kw vis., 8.91-kw aur., 1780' AAT (atop Sears Building).
- Lafayette, IN--(ch 18) WLFI-TV granted modification of CP 3-15-73 for change to 1490-kw max. & 631-kw hor. vis., 298-kw max. & 126-kw hor. aur., 780' AAT.
- Vincennes, IN--(ch 22 ETV) WVUT granted modification of CP 3-15-73 for change to 1550-kw max. & 631-kw hor. vis., 126-kw hor. aur.
- Battle Creek, MI--(ch 41) WUHQ-TV granted CP 3-23-73 and program test authorization 3-29-73 for change to 3100-kw max. & 1380-kw hor. vis., 310-kw max. & 138-kw hor. aur., 1080' AAT.
- Nashville, TN--(ch 2 ETV) WDCN-TV granted CP 3-22-73 for change from channel 2 to channel 8 (exchange of channels with WSIX-TV).
- Nashville, TN--(ch 8) WSIX-TV granted CP 3-22-73 for change from channel 8 to channel 2 (exchange of channels with WDCN-TV).

## MODIFICATION OF CONSTRUCTION PERMIT GRANTED

- Fredericksburg, VA--(ch 69) WHPV granted 3-23-73 for 219-kw max. & 126-kw hor. vis., 12.6-kw aur.

## CHANGES REQUESTED IN STATIONS OPERATING

- Springfield, MA--(ch 57 ETV) WGEY-TV requests CP for change to 1334-kw max. & 863-kw hor. vis., 267-kw max. & 173-kw hor. aur.
- Poplar Bluff, MO--(ch 15) KPOB-TV requests CP for change to 181.5-kw vis., 19-kw aur.
- Winston-Salem, NC--(ch 12) WXII requests CP for change to 1980' AAT.

## APPLICATION FOR NEW STATION

- Milwaukee, WI--(ch 24) New, 5000-kw max. & 2000-kw hor. vis., 1000-kw max. & 400-kw hor. aur., 1004' AAT. Note: Application requests subscription TV authority.

## REQUEST FOR CALL LETTERS

- Baton Rouge, LA--(ch 27 ETV) requests WLPB-TV.

## CONSTRUCTION PERMIT FORFEITED/ APPLICATION DISMISSED

- Birmingham, AL--(ch 21) New, application dismissed.
- Lincoln, NE--(ch 45) KALR, CP forfeited.

Bill Matthews of Columbus, OH reports WOSF-13, Washington Court House, OH is telecasting weekdays, from 1600 to 1800. This is something of a mystery, as there has been no word of station in official FCC news data.

Morrie Goldman reports from Chicago the Zenith Radio Corporation has apparently backed out of its Pay-TV interests. Their experimental channel 38 allocation in Chicago will be turned over to WCFL-TV. (An unidentified source reports WCFL-TV is expected to begin operation Nov. 1973 with 3500-kw atop the Sears Bldg.) And if that isn't enough bad news for Chicago-area DXers, WCIU-TV (ch 26) Chicago will be adding color equipment prior to their move to the Sears tower in October. They reportedly will be using a temporary tower for color sometime this summer.



TORONTO TIDBITS:---We have good news, and some bad news for DXers. First the good news: Construction is well under way on a new communications tower to serve Southern Ontario and Western New York. The CN-Tower when completed will hold the record as the tallest self-supporting concrete structure in the world, surpassing the U.S. World Trade Center in New York, the Sears Building in Chicago (1804') and the current giant--the Moscow Tower. The height of the CN-Tower will be 1805 feet. At the 1500 foot level, a restaurant will be built which will revolve once per hour. Glass-walled elevators will transport tourists up the sides of the building. \*\*\*\*\*All Toronto FM outlets are confirmed as new tenants on the super-tower. CKFM, CHFI-fm, CHUM-fm, CBL-fm, and CHIN-fm have agreed to move. Television outlets confirmed are: CBLT-5, CFTO-9, CICA-19 and CBLFT-25. There is no decision whether CITY-TV 79 will occupy the tower--- however they have just invested \$\$\$ in their midtown site. Transmitter space will rent for at least \$45000 yearly--- that is the FM rate, with a 10 year initial lease...the rent will drop drastically later. The target date for transmissions: November 1, 1974. A station engineer has revealed, the C.I. fm outlets will reduce ERP to 38 kw from the current 100 kw. When CBLT-5 begins transmitting from the new tower, CKVR-3 Barrie ont, will disaffiliate from CBC and become an independent.--you will recall they have an application pending to increase their tower height giving them a better Toronto signal.

CBLFT-25 French CBC Toronto is now on the air. Despite xmtr. setbacks, they began testing March 18, and began programming on March 23rd. Their programme sked has weekday s/on at 1000, end s/off about 2 am. They are 234 kw V/4C.8kw A directional ENEAF 350'....of the CBLT-CICA-CBL-fm Tower.

CITY-TV Ch.79 Toronto is still an island of controversy in North American TV. Their "Baby Blue Movies" run Fridays at midnite command an audience of 215,000 in a market with 11 non-educ. stations at that hour. The sex scenes(unedited) have brought about outcries from "Porno" movie house operators. The "I am Curious" movies have been shown as have other "Erotica". Last week, CITY showed "Joe"(with Peter Boyle) uncut at 10:30pm. This bold programming has brought visits from the police "Morality Squad", but nevertheless viewer support, for CITY.

CITY-79 must be congratulated on its policy of local programming. They run news-pubaffairs 8-10:30 mornings and nites. S/on 6:30 am.weekdays with Italian pgms. Mon-Thurs.s/off 00:30, 02:00 Fri.&Sat. Although low budget, CITY puts out some good local pgms. including ethnic, game show, and a Sun. talkfest 11pm-1am in which the studio audience are the guests & performers. At the moment, CITY is one of the healthiest indep U's with the most controversial and ambitious pgm,sked. Who will be the 1st DXer to log the Baby Blue Movie! All dxers who attend the Dunkirk WFTD A convention in Aug. will get to see CITY.

Gross infractions by local stations(fa!tv) with regards to ids and s/off's prompted us to write to the CRTC and DOC. DXers note: "There is no requirement for a Canadian broadcasting station to transmit its location or frequency in conjunction with its call sign"--J.T. Chrome of the DOC.

Mr.Chrome also said:"The Department has adopted a policy which requires Canadian broadcasting stations to transmit their call signs as frequently as possible when broadcasting



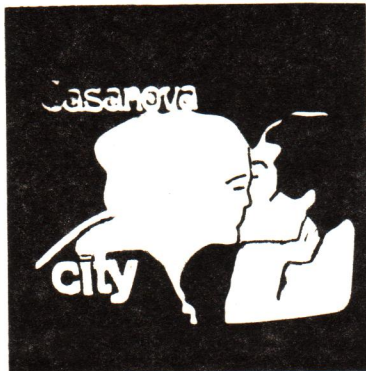
In practice, we find that stations identify hourly and the Department encourages adherence to this schedule because it is a satisfactory arrangement which fulfills our needs."

In essence then, DXers will continue to have problems in iding Canadian stations. DOC regulations re:ids, will hardly satisfy DXers like r.Elving who require Call,Loc.&freq for a "positive" id. We feel the DOC policy cited above will continue to allow wide interpretation and laxness in ids. The one positive outcome of this exercise was an assurance that CHIN-fm Toronto would be required to remove its un-mod carrier from the air after s/off. They had a habit of running carrier 00:00-5:30 Mondays with no ids or s/on. Our advice to DXers interested in iding Cdn stations:

- 1);--Write to the DOC at 100 Metcalfe St.Ottawa ont.K1A 0C8 ask for tightened regulations. U.S. members might write to the FCC--the conduct bi-lateral agreements with the DOC.
- 2);--obtain a good listing of Canadian IV&FM stations...our DXers Guide is a good start. Good luck and good DX are the key words in logging Canadian stations.

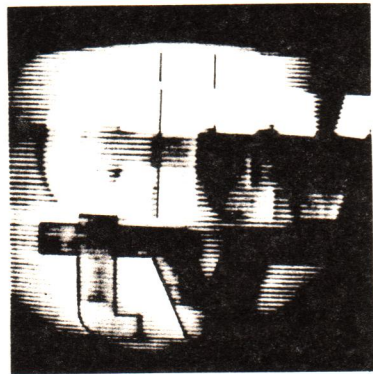
###Other notes: CBLT-5 Toronto is now xmtg a digital clock with an "electronic readout" keyed over the bottom right corner of their colour-bar test pattern.###The CRTC has hinted that major changes may occur in the regulation of communications. The Cdn Radio-TV Commission may become the C.C.C.---the Cdn Communications Commission, and take on licensing of telecommunications and common carriers. Also proposed are constitutional changes allowing the Provinces some power over communications(now a Federal matter) ###Global TV, the new Ontario network, has announced that their ch.22 Jxbridge Ontario outlet will run 5million watts in the direction of Toronto...they are licensed to run 2.2 megawatts directional...we hope to get more information on the 5 megawatt contour. Global takes to the air Jan 1st./74...be thankful you don't DX from Toronto! we now have 14 locals within 70 miles, with 2 more Global outlets on the way Jan 1st to inundate us with RF!

73's for now. Mark L. Lewis & J. Joel Rosenberg



A TV-DXer's Dream?...

The ID slide is promoting CITY's "Casanova" program. The series is said to be R to X rated!



No, that's not offset CCI. Those lines are part of the ID slide. Don't get confused by this one!

**Make Your Convention  
Plans Now**

Deadlines:

13 May (2S TVSB rev)

12 Jun (3S AuTV 88)

12 Jul (4S FMSB)



Editor:

Glenn Hauser

Box 62

Von Ormy TX 78073

GUIDELINES FOR COMPUTING SCOREBOARD TOTALS AND DISTANCE RECORDS

1. A TV station received on more than one channel (when it changes channels, but retains its identity) may be counted once for each channel. This excludes changes in offset on a single channel. Simultaneous reception of a station on more than one channel is virtually always a receiver problem only, but you may present evidence to the contrary. An FM station may be counted again when it deliberately changes frequencies. Also, a station varying more than 100 kHz from its normal frequency may be counted again. Make absolutely sure you are not counting receiver images or mixing products.
2. Stations operating successively on the same channel in a single city, which are clearly unrelated (i.e. with different call letters and a hiatus in occupation of the channel or nonrenewal of the first station's license, such as WHDH- and WCVB) are counted as separate stations.
3. Power level or changes in power alone shall have no bearing on these guidelines.
4. A change in call letters per se is not sufficient reason to count as a "new" station, whether or not a change in ownership is involved in a continuously operating station.
5. The precise location of the transmitting antenna shall be the determining factor in tallying the number of political units received and computing the DX path distance.
6. A move in a station's transmitter location does not allow it to be counted as a new station unless the city of license also changes. Thus stations starting in a small city and later moving both transmitter and identity to a larger city count twice, if received during both phases of operation. Stations moving antenna e.g. from downtown to suburbs with no change in city of license count only once.
7. Sharetime stations (e.g. WFPT & WTHS) count as one if they share a transmitter; or individually if they have separate transmitter locations.
8. Any station licensed to broadcast on the FM or TV bands is eligible. This includes translators and experimental stations, and stations clearly broadcasting but not licensed such as pirates, clandestines, international waters. Harmonic radiation of visual signals is eligible if it falls within another TV band. Harmonic radiation of a radio station is eligible if it falls within the FM band. Utility stations monitored on FM or TV bands are not eligible, and radiation from CATV is not eligible.
9. FM and TV transmission outside 54-108 and 174-216 and 470-890 Mhz is beyond our scope.
10. DX received via CATV may be counted if the station was picked up off the air on its original frequency at the CATV headend, from which the distance must be measured. However, totals involving CATV must be so specified.
11. "Verification" is not required. Contributors must be certain, however, beyond a reasonable doubt that all stations claimed were received. Those totals limited to "verified" only must be labeled as such.
12. DX obtained by recording only, and not witnessed at the actual time of reception is eligible, so long as the contributor himself chose the frequency and prepared the recording apparatus.
13. When more than one DXer is present at a DX reception, even as a visitor to another DXer's shack, only the DXer(s) taking an active part in the reception (tuning, identifying) may claim it.
14. Any DX received within a 50-mile radius of a DXer's primary location may apply toward a common scoreboard total. This includes temporary operation and permanent moves. However, if more than two locations are involved, all must be within an equilateral triangle 50 miles on a side.
15. Include all stations eligible and monitored in scoreboard totals, whether "local" or DX.

Discussion and suggestions for improving these guidelines are welcome! Meanwhile, please adhere to them so everyone will receive fair treatment. This is for club purposes only, leaving you quite free to change or disregard them in personal use.

Both FM and TV Scoreboard totals must be submitted directly to the statistics editor, though you may include the same information whenever you wish in reporting columns. You may submit totals from any number of separate DXing locations (as defined in Guideline #14), but any totals not updated at least every six months will be dropped. If there is no change, all you have to do is say so; but the editor will delete any particular information which you neglect to specify as "no change" if there have been changes in other information. Contributors who must update their totals before the next publication of the scoreboard (currently at three-month intervals) or face deletion are asterisked. Please use exactly the same format as in the column. Thanks for your cooperation!



STATISTICS

NEW FMDX RECORDS

MAY 1973

Contributors: Bolin, Brown, Dyer, Frahm, Hauser, LeBlanc, Nordquist, Remington, Sawatzky, Smith, Wheeler, Wood, Yingling. Thank you!

<u>Mhz</u>	<u>From Call</u>	<u>Location</u>	<u>Miles</u>	<u>Dxer</u>	<u>Location</u>	<u>Old Record</u>
88.5	Au WFCR	Asherst MA	705	Russ Brown, Saint Joseph MI	WAMU 590 Bolin	
88.7	Es HRLP-	Tegucigalpa Hond	1260	Glenn Hauser, Von Ormy TX	CJOM 1240 Dyer & Hauser	
89.5	MS WNUI	Dekalb IL	1035	Glenn Hauser, Von Ormy TX	WMOT 840 Hauser	
	Au WFKN	Bridgeport CT	790	Andy Bolin, Charleston IL	WMOT 435 Brown	
89.6	Es TGDX-	Guatemala Guat	1130	Glenn Hauser, Von Ormy TX	none	
89.7	Tr WMCU	Miami FL	1155	Glenn Hauser, Von Ormy TX	WUSF 995 Hauser	
89.9	Tr WJCT-	Jacksonville FL	1020	Glenn Hauser, Von Ormy TX	WWSA 660 Seybold	
90.1	MS WMBI-	Chicago IL	1065	Glenn Hauser, Von Ormy TX	WEPR 1020 Hauser	
90.7	Au WFUV	New York NY	650	Russ Brown, Saint Joseph MI	KWNU 575 Elving	
91.1	Tr WFAM	Jacksonville FL	1020	Glenn Hauser, Von Ormy TX	WREK 890 Hauser	
	MS KSJN-	New Brighton MN	1130	Glenn Hauser, Von Ormy TX	KWBI 980 Brown	
91.3	Au WGNV-	Syracuse NY	525	Russ Brown, Saint Joseph MI	KDCR 495 Brown	
91.9	MS WHRM	Rib Mountain WI	1005	Richard Wood, Baton Rouge LA	WHRM 765 Vogt	
93.1	MS KBHB-	Sturgis SD	1175	Richard Wood, Baton Rouge LA	WJHK 890 Cooper	
93.9	Au KKLS-	Rapid City SD	830	Andy Bolin, Charleston IL	none	
94.7	MS WKXI	Jackson MS	1065	Fred Nordquist, North Syracuse NY	WPTF TIE Hauser	
95.1	Tr WJAX-	Jacksonville FL	1020	Glenn Hauser, Von Ormy TX	WQNZ 780 Brown	
95.36	Tr XHOX-	Tampico Tams	495	Glenn Hauser, Von Ormy TX	none	
97.1	Tr WEEB	New Orleans LA	865	Russ Brown, Saint Joseph MI	WQMG 730 Dornier	
97.5	Au WNCQ	Watertown NY	700	Andy Bolin, Charleston IL	WNCQ 540 Brown	
98.1	Au CHFT-	Toronto Ont	535	Andy Bolin, Charleston IL	KUDL 470 Brown	
98.5	Au WSB-	Atlanta GA	590	Russ Brown, Saint Joseph MI	KRCB 410 Bolin	
98.6	Es TGHR-	Guatemala Guat	1135	Pat Dyer, San Antonio TX	TGHR 1130 Hauser	
98.9	Au WSFA-	Spartanburg SC	555	Russ Brown, Saint Joseph MI	KCLO 475 Brown	
99.5	Au WDCX	Buffalo NY	535	Andy Bolin, Charleston IL	WLWL 455 Mc Cormack	
100.1	Au WIVE-	Ashland VA	555	Russ Brown, Saint Joseph MI	none	
101.3	Au KPDI-	Wichita KS	505	Andy Bolin, Charleston IL	WPBC 455 Mc Cormack	
101.5	Au WBLE-	Marietta GA	580	Russ Brown, Saint Joseph MI	WBJH 475 Merrill	
103.5	MS KOA-	Denver CO	895	Andy Bolin, Charleston IL	WBIR 770 Hauser	
103.7	MS KJAN-	Atlantic IA	745	Peter Sawatzky, Waterloo Ont	none	
104.1	Tr KRBE	Houston TX	980	Russ Brown, Saint Joseph MI	WJBM 840 Mc Cormack	
104.3	Au KBBY	Kansas City MO	470	Russ Brown, Saint Joseph MI	none	
104.5	Tr WHSY	Hattiesburg MS	765	Russ Brown, Saint Joseph MI	WEAT 715 Wood	
	MS KEXL	San Antonio TX	1100	Russ Brown, Saint Joseph MI	none	
104.7	Es WDOI-	Athens GA	1865	Bill Frahm, Boise ID	WBOC 1450 Hauser	
105.5	Au WKEZ	Sylvania OH	280	Andy Bolin, Charleston IL	none	

F M SCORE BOARD

<u>Dxer</u>	<u>Location</u>	<u>Stns</u>	<u>86-92</u>	<u>Es</u>	<u>MS</u>	<u>USA</u>	<u>Can</u>	<u>Mex</u>	<u>For</u>	<u>Sat</u>	<u>YB</u>	<u>As of 1</u>
*Russ Brown, Saint Joseph MI		1110	165	310		40+	6		1		68	7 Jan
Andy Bolin, Charleston IL		1003	133	129		43+	3	1	1	49	70	30 Mar
*John Ebeling, Bloomington MN		689	72	293		38+	4		0		48	7 Nov
Robert Seybold, Dunkirk NY		660	65	256	8	39	4	1	1	45	60	8 Apr
Glenn Hauser, Von Ormy area TX		606	131	376	41	31+	1	8	5	46	71	13 Apr
*Richard Wood, Baton Rouge LA		533	56	96		32+	2	5	2	42	71	12 Dec
*Glenn Hauser, Enid OK		519	29	275	41	39	4	5	1	49	65	1 Dec
*Fred Mc Cormack, Des Lacs ND		491	64	325		39+	4		0		65	7 Jan
Fred Nordquist, North Syracuse NY		476	60	108		38+	2	0	2	43	69	26 Jan
*Joe Fela, Newark & South Plainfield NJ		429	81	96		34+	2				68	5 Dec
Ron LeBlanc, Marrero LA		397	61	103	2	29	2	3	4	38	71	4 Mar
Shelby Remington, New Haven CT		374	63	57	5	35+	2	0	1	39	70	3 Apr
Dennis Moe, Saint Asgarr IA		304	32	33	0	27	2	0	0	29	70	5 Mar
Pat Dyer, San Antonio TX		282	33	178	4	36	1	5	1	43	70	11 Apr
Richard T. Steinberger, Hudson MA		216	35	9	1	17	2	0	0	19	58	8 Apr
Peter Sawatzky, Waterloo Ont		212	24	28	3	21	1	0	0	22	71	26 Feb
Dennis Smith, Wasco CA		184	21	36	1	7	0	1	0	8	52	3 Mar
*Wayne Ebeling, Bloomington MN		152	26	1		12	0	0	0	12	72	10 Nov
Joe Markewicz, Manitoba (see Mar note)		109	8	76		15	3	0	0	18	72	31 Dec
Adela Osowski, Erie PA		109	31	5		13+	1	0	0	15	59	10 Apr
Dennis Moe, Ames IA		95	10	0	0	9	0	0	0	9	72	5 Mar
Frank Wheeler, Erie PA		87	4	0	0	4	1	0	0	5	64	1 Mar
Les Frus, Manhattan KS		85	16	10	0	19+	1	0	0	21	70	25 Dec
*Richard Wood, Medicine Hat area Alta		76	5	75		8	1	1	0	10	72	3 Nov
Dennis Smith, Santa Barbara CA		74	8	0	0	1	0	1	0	2	51	3 Mar

...until the next, 73 de Glenn



# EASTERN TV DX

Dave Pomeroy  
KTWU-Channel 11  
Signal Hill  
Topeka, Kansas 66604

Not much to say this month except that there is not too much to say. Only four eastern TV-DXer's reporting for March and early April with skip on five days and tropo reception on ten days. Skip was seen in Louisiana or Florida on March 27-28 and April 4 and 8 with Es in both locations on April 2. Tropo was confined to March 12, 13, 16, 20, 25, 29, and 31, and April 1, 2, and 5. No more than one reporter saw reportable tropo on any one day.

## Bob Seybold Dunkirk, New York (EST)

"Not much to report this time; expect things to open up soon. Two new stations logged. March 25-April 8 (no positive ID's; Aurora on evening in this period. One tropo opening: WCMU-14 Mt.Pleasant,MI WANE-15 WPTA-21 WKJG-33 Ft.Wayne,IN WNDU-16 WSBT-22 South Bend WJSV-28 Elkhart,IN WJAN-17 Canton,OH WLF1-18 Lafayette,IN WUCM-19 University Center,MI WXON-20 WKBD-50 WTVS-56 Detroit,MI WKAR-23 E.Lansing,MI WDOH-24 WGTE-30 Toledo, OH WEY1-25 Saginaw, MI WL10-35 Lima, OH WGVG-35 Allendale,MI WUHQ-41 Battle Creek, MI WBGU-57 Lima-Bowling Green, OH (Information from PBS indicates that WBGU switched from channel 70 to channel 57 on March 24, 1973 and that the change was precipitated by an FCC land-mobile allocation adjustment. "WBGU now operates at visual ERP of 750kw with height above average terrain of 1,060 feet. Population reach has grown from 50,000 to one and one-half million." dp) Also new during the period for Bob was CBLFT-25 Toronto. Bob also reports above-average reception of CITY-79 Toronto.

## James Brann 135 Windsor Circle Glen Heights Chapel Hill, North Carolina 27514 (EST)

"Not much happening around here (same here, dp). Depending on rabbit ears and fighting locals 2,4,5,8, and 11 on VHF are keeping totals down. WUNC-4 transmitter is only 5 miles away and it makes channel 3useless there is a real strong opening. But all is not lost, WUNC is off all day Saturday and most of Sunday. Plan to get up a VHF antenna (don't overlook UHF, dp) and at least get in some summer Es. The problem is where to put it."

12-17 Es	1030 KGL0-3	Mason City	3322N0875	2-3	Es	1830 WKY-4	Oklahoma City	2242R1015
	1157 WCCO-4	Minneapolis	3333N0980			1830 KYTV-3	SpringfieldMO	2232R0787
	1300 KTIV-4	Sioux City,IA	2433N1015			1900 WKY-4	Oklahoma City	3323R1015
1-14	1800 KTBS-3	Shreveport,LA	3321R0858	3-12 Tr	0700	WJBF-6	Augusta, GA	3331N0220
2-3	1800 KARD-3	Wichita, KS	3321R1015		0725	WJBF-6	Augusta, GA	3342R0220
	1808 WKY-4	Oklahoma City	2242R1015					(Total log now 61 stations)

## Ken Simon 528 Pilgrim Road West Palm Beach, Florida 33405

3-13 Tr	2259 WJCT-7	Jacksonville	2011N0255	4-2	Es	1748 XHTV-4	Mexico CityDF	1221N	
3-16	2305 W64AD-64	Boca Raton,FL	4445N0025		Tr	2000 WESH-2	WEDU-3	WDBO-6	WFLA-8
3-20	0735 CMQ-6	Havana, Cuba	2342R0305			WFTV-9	WINK-11	WTVT-13	5555R
3-27 Es	2030 HR??-3	Tegucigalpa, Honduras		4-3	Es	1000 WTW0-2	Terre Haute,IN		
	"new country--logo	looks like p.4, March	VUD"			"WTHS/WPBT-2	with power outage"		
4-2	1635 YVVA-2	Caracus,Venz.	4132N	4-5	Tr	0035 WLCY-10	Largo,FL	4442N0170	
	1705 XHP-3	Puebla, Mex.	4332N			0035 WBBH-20	WTVX-34	WXLt-40	WTOG-44
	1710 XHFM-2	Veracruz, Mex.	1011N			"QSL from: WJCT-7,	W64AD-64,	Cuba-8,	9, 3,
	1725 XEW-2	Mexico CityDF	4332R						locations of Cubans not on ICR QSL's."

## Ronald J. LeBlanc 2524 Arizona Drive Marrero, Louisiana 70072 (CST)

"Seems tropo conditions finally began to pick up a little at the end of March. Nothing fantastic, just the usual Texas stations. Finally on April 1 I had a fair opening into Florida, Alabama, Georgia, and Texas. Two days of skip--March 28 and April 2."

3-28 Es	1945 XEW-2	Mexico CityDF	5433R0917	4-1	Tr	2243 WDMH-18	Dothan, AL	4555R0305
	1950 XHP-3	Puebla, Puebla	3023R0880			2302 WJCL-22	Savannah,GA	3555R0564
3-29 Tr	2200 XHX-10	Monterrey,NL	3232R0700			2325 WCJB-20	Gainesville	4555R0472
3-31	1930 KHOU-11	KTRK-13	KHTV-39	Houston		2338 WLTV-12	Jacksonville	4555R0503
	1935 WG1Q-43	Louisville,AL	2235R0287			2350 KZTV-10	Corpus Christi	R0485
	2220 WYEA-38	Columbus,GA	3445R0337	4-2		0003 KSAT-12	San Antonio	4555R0510
4-1	0100 KVRL-26	Houston, TX	4555R0321			0030 WTVT-13	Tampa, FL	4555R0488
	2200 WABW-14	Pelham, GA	3245R0395			0033 WTOG-44	St.Pete, FL	4555R0488
	2215 WTOG-44	St.Pete, FL	3355R0488		Es	1700 YSR-2	El Salvador	4433R1132
	2230 WJKS-17	Jacksonville	4555R0503			1715 TGV-3	Guatamala	4333R1102
	2233 W70AU-70	Biloxi, MS	3555R0077			1718 HRTG-5	Honduras	3244R1125



# WESTERN TV DX

Dennis Park Smith  
1200 W. Sacramento Ave., #15  
Chico, California 95926  
Telephone 916 343-3862  
Deadlines: 12th of each month

May 1973

Only two reports this time, both from San Antonio. Es and tropo were good there at times, but apparently DX was poor further north. Tropo to south Texas, usually from south and southeast, was fairly good in mid-March, and excellent on 1 & 2 April when Glenn Hauser caught VHF TV high-band up to 1065 miles. Es was good at times, as indicated, from west, south and around to east and northeast.

Es dates: Mar 3 7 12 22 24 25 28 29  
# reporters: 2 2 2 1 2 1 1 1  
MUF at least: 5 2 9.3 2 88.5 4 95. 88.3

Pat Dyer, 5315 Silvertip Drive, San Antonio, Texas 78228 (10 Mar - 10 Apr) (CST)

Receiver: Penncrest 9-inch 1971 model black-and-white

Antennas: Archer VHF V-100 & 8-bay UHF bow-tie at 15 ft; apx 20 ft as of 23 Mar

11 tr	2230	XHAB- 7	Matamoros Tamp	T 250	(24)Es	1029	WSB - 2	Atlanta GA	875
12 tr	0105	KRGV- 5	Weslaco TX	230		1200+	unIds	2-5	
		KGBT- 4	Harlingen TX	235	25	Es	2000-2030	2-4	unIds (Spanish)
Es	1625	WDCN- 2	Nashville TN	820	28	Es	2000-2140	2-6	unIds (Sp; MUF 95 MHz)
	1635	WSAV- 3	Huntington WV	1100	29	tr	0005	KERA-13	Dallas TX
	1659	WLM-D 2	Dayton OH	1080			0030	WFAA- 8	Dallas TX
		unIds	2-4	(MUF to 94.7)				KDFW- 4	Dallas TX
tr	2015	KMID- 2	Midland TX	280				KTVT 11	Fort Worth TX
	2029	KOSA- 7	Odessa TX	275		1614	KNCT	46	Belton TX
	2200	KWS- 8	Roswell NM	440		1830	KVRL	26	Houston TX
15 tr	0015	KDFW- 4	Dallas TX	250				KHIV	39 Houston TX
	0017	WFAA- 8	Dallas TX	250		Es	2115	KOAI	2 Flagstaff AZ
		KTVT	11 Fort Worth TX	240			2125	KORK- 3	Las Vegas NV
18 tr	1929	KOSA- 7	Odessa TX	250			2200	KTVK	3 Phoenix AZ
	2154	KMID- 2	Midland TX	280				unIds	2-6
	2220	KNOE- 8	Monroe LA	450			2215	KNXT	2 Los Angeles CA
19 tr	0028	KALB- 5	Alexandria LA	T 385			2220	XHEC- 3	Mexicali BGN
	0034	WAFB- 9	Baton Rouge LA	450				XETV	6 Tijuana BCN
	0042	WML - 4	New Orleans LA	510					(MUF to 89.3)
	0044	KNOE- 8	Monroe LA	450	30	tr	0028	WBAP- 5	Fort Worth TX
		WDSU- 6	New Orleans LA	T 510			0029	KLTV	7 Tyler TX
	0102	WVUE	8 New Orleans LA	510	1	tr	2150	KVRL	26 Houston TX
22 tr	0052	KGBT- 4	Harlingen TX	235				KLNI	15 Lafayette LA
	1020	WFAA- 8	Dallas TX	250			2200	KPLC- 7	Lake Charles LA
	1035	KITV	39 Dallas TX	T 250				KHMA-11	Houma LA
	1040	KERA-13	Dallas TX	250			2235	WBFB	33 Baton Rouge LA
	1059	KTVT	11 Fort Worth TX	240			2310	KXIX-19	Victoria TX
23 tr	2200	KNCT	46 Belton TX	135	2	tr	0029	WAFB- 9	Baton Rouge LA
24 Es	0959	WCBF	2 Charleston SC	1115			0036	WVUE	8 New Orleans LA
		WMAY	3 Wilmington NC	1240			0059	KFDM- 6	Beaumont TX

Hopefully the good showing of March Es is indicative of coming summer conditions.

If the cold fronts keep smashing through here like they have been the chances for super-ducting that April normally brings us will be considerably reduced. It just isn't staying warm and humid long enough.

Apr 1 F2 MUF at least 50.075 MHz, so perhaps some places got into Ch-2 range.

As noted, moved and raised antenna system some—the largest benefit being an apx 50% drop in lead-in lengths. 73, WA5IYX.

Glenn Hauser, Box 62, Von Ormy, Texas 78073

(6 Mar - 8 Apr) (CST)

This month was spent half DXing, and half traveling thru Mexico and west Texas, visiting a number of TV, FM, AM, SW, and translator stations; I may well have missed some tropo and Es openings like those occurring last year at this time, but the trip was well worth it, for the new Mexican information uncovered....

7 Es	1720	KNXT	2 Los Angeles CA	1190	(7)(tr)	2317	XHFW- 9	Tampico Tamps	495
	2052	YSR - 2	San Salvador El Sal	1205				(CCI; maybe 3rd station too)	
		(2242TP, s/off, "feligdescanso", NA, 2245 grayscale & off)					2325	XHAW-12	Monterrey NL
tr	2300	KPLC- 7	Lake Charles LA	330			2326	XHEF-11	Nuevo Laredo Tamps
	2300	KLAI-15	New Iberia LA	405			2330	XHAB- 7	Matamoros Tamps
	2315	XET - 6	Monterrey NL	265			2354	XHAH- 8	Las Lajas Ver
		(0030 sharp, off)						(0004 VARI3555, noCRM; 0011 color show but seems B&W on this relay)	
	2315	XHX -10	Monterrey NL	265	8	tr	0002	KGAS- 8	Laredo TX
		(0001 o/KZTV)					0014	XEFB- 3	Monterrey NL

(8)(tr) 0033 K74DP 74 Leakey TX	75 (18)(tr) 1930 WBEZ 2 Baton Rouge LA	455
(KSAT w/CCI; 0053 losing sync, jitters)	(level w/KFRC)	
0034 K7ZDN 72 Leakey TX (KENS-5)	2100 WGN0-26 New Orleans LA	510
0035 K7DFD 70 Leakey TX	2225 KOSA- 7 Odessa TX	285
(CBS, weak; so relaying	2228 KMOM- 9 Monahans TX	305
KGBT-4 after WOAI-4 off)	2352 WVUE 8 New Orleans LA	515
0037 KACB- 3 San Angelo TX	180 21 tr 2319 KHGV- 5 Weslaco TX (o/KENS)	220
0039 KCTV 8 San Angelo TX	180 2319 KGBT- 4 Harlingen TX	220
2 tr 2245 XET - 6 Monterrey NL	265 2350 XHAB- 7 Matamoros Tamps (peak)	245
11 tr 2200 XHAB- 7 Matamoros Tamps	245 22 tr 0855 KLANI-15 New Iberia LA	405
(4555, best ever, exc. color; 0039	0855 WRBT 33 Baton Rouge LA	455
off after pgn summ audio w/film of	Es 1010 WTHS- 2 Miami FL	1155
kids playing in Chapultepec; CB,	(clock; earlier: Miami FM on	
GS, A off, V off; no local Ids)	tropo!; 1031 gone, 1045 back)	
12 Es 1620 unId 2 (MUF 94.3 Indiana)	23 tr 1930 XEPE- 2 Nuevo Laredo Tamps	140
1650 WLM-D 2 Dayton OH	1080 2000 XHAI-10 Las Lajas Ver	695
1702 WTWO 2 Terre Haute IN	930 2000 XHAI- 8 Las Lajas Ver	695
13 MS 1330 KQTV 2 Saint Joseph MO ? T	24 Es 1005 WCB2 2 Charleston SC ? T	
14 tr 1858 XHAH- 8 Las Lajas Ver	695 1026 WSB - 2 Atlanta GA	890
(opening in progress) v/gd; 0009	(1059 Id, "In2ition" kidquiz, w/	
clear w/KGNS off, but w/FAA CCI; 0011	puppets; 1147 gone) (MUF 88.5)	
pgn summ, 0013 off w/out CB, GS or Id	1029 WWAY- 3 Wilmington NC	1245
1858 WHAL-10 Las Lajas Ver	695 (distinctive diamond logo)	
1901 XHGO- 7 Tampico Tamps	495 1056 WBTB 3 Charlotte NC	1105
("En Familia con EN" call up show w/	1139 WSJK- 2 Sneedville TN ? T	
growing in kid falsetto; 1927 animated	(25-30 Mar out of town on drive thru Mexico	
7 resembling ? mark; 2101 back)	1 tr 2130 KLANI-15 New Iberia LA	405
1901 XHPW- 9 Tampico Tamps	495 2130 WRBT 33 Baton Rouge LA	455
(1922 o/KLRN A&V but in different	2130 KPLC- 7 Lake Charles LA	330
directions; 1931 Esta Noche promo,	2130 WAFB- 9 Baton Rouge LA	455
Canal 8 Id; 2106 seems CCI from another	2200 XHAB- 7 Matamoros Tamps	245
Mexican; 2252 //XET-6 in Hawaii 5-0;	2200 XHAI-10 Las Lajas Ver	695
2305 En Punto; bad net audio; 0030	2200 WGN0-26 New Orleans LA	510
abrupt interruption of pgn for nice	2210 XHAI- 8 Las Lajas Ver	695
s/off w/Moog mx, Ids, w/Canal 9,	2210 XHPW- 9 Tampico Tamps	495
Tampico, B&W locally, off)	2 tr 0033 WLCY-10 Largo FL	965
1904 XHAJ- 5 Las Lajas Ver ? T	(St Pete ads, TV 10's Sunday Night Movie;	
2028 XHBK-11 Nuevo Laredo Tamps	140 0100 Ids super: fair strength, quite	
(2245 "24 horas"; 2308 seems B&W;	steady: 3455; 0117 Id in s/off, SSB,	
2310 slide "Siga distrutando en	puts Id up again after SSB, 0121 off)	
Canal 2 proyeccion nacional" in B&W,	0035 WVUE 8 New Orleans LA	515
audio cut; 2313 off (so net pgning	(Panama City ad, Id; 0123	
shifts to XEPE-2 whenever its	only DX stn still on)	
local origination ends!)	0053 KTRK-13 Houston TX	185
2033 XEPE- 3 Monterrey NL	265 (logo as shown)	
2033 XET - 6 Monterrey NL	265 0452 WTVT 13 Tampa FL	990
2033 XHX -10 Monterrey NL	265 (outline map of FL, mx;	
2043 XHAW-12 Monterrey NL	265 0454 devotional; 0459 f/out)	
2202 XEPE- 2 Nuevo Laredo Tamps	140 0458 WFLA- 8 Tampa FL	990
(much stronger than usual but never	(OC; 0500TT, TP; 0505 to CB; 0513	
snowfree; Laredo TX ad; (front San	check, pgn already; 0525 about gone)	
Antonio-Laredo-inland); 0014 s/	0506 WFTV 9 Orlando FL	1065
off msg w/Buenas Noches slide, 0015 off)	(Central FL wx; weak)	
15 tr 0002 KACB- 3 San Angelo TX	180 0516 KLFY-10 Lafayette LA	390
0005 K82BK 82 Hunt etc TX (KSAT)	70 (Cajun mx and farm scenes,	
0007 XHD - 4 Tampico Tamps	495 s/on msg, then SSB)	
0032 KCTV 8 San Angelo TX	180 0527 WDSU- 6 New Orleans LA	515
(black carrier; 0033 off)	0535 KHOU-11 Houston TX	185
18 tr 0756 WAFB- 9 Baton Rouge LA	455 (RTM TP, now W/CL keyed at bottom)	
(1825 again)	0536 WVUE 8 New Orleans LA ? T	
0756 WRBT 33 Baton Rouge LA	455 (2-6 Apr out of town on drive thru west Texas)	
(VAFI 4555; 2100 also)	7 tr 2345 XHAB- 7 Matamoros Tamps	245
0756 KLANI-15 New Iberia LA	405 2345 XHAH- 8 Las Lajas Ver	695
0757 KLFY-10 Lafayette LA	390 2345 XHPW- 9 Tampico Tamps	495
0815 KN0E- 8 Monroe LA	435 2345 XHAI-10 Las Lajas Ver	695
(2330 movie)	Until the next, 73 de Glenn.	





# WESTERN FM DX

Editor: Mike Dorer, Jr.  
1409 Hymelia Ave.  
Metairie, La. 70003

DX FROM THE LAND OF BEGINNING AGAIN

Pat Dyer, 5315 Silvertip Drive, San Antonio, Texas 78228 (All times CST)

(Ed. note: The following report for February-March arrived too late to be included in last month's column.)

I now have an Archer V-100 TV-FM antenna at the 12-ft. spot. It is very good to have something with reliable directivity to it, and am able to cut down the locals some on the mulls.

Feb 12: trop up well to northern Texas in evening... 2217 KNUS 98.7 Dallas TX (250 mi) with "K-News" ID... 2346 KAMC 94.9 Arlington TX (245 mi), local ads... 2359 KXOL 99.5 Fort Worth (240 mi), end American FM news and ID.

Feb 13: 0002, WFAA-FM 97.9 Dallas TX, end news \$98 ID... 0013 KDNT-FM 106.1 Denton TX (260 mi) with ID and PSA; 0031 KSCS 96.3 Fort Worth TX (ex-WBAP-FM) ID, c&w format... 0045 KOAX 105.3 Dallas TX, \$105 ID.

Feb 19: 1145 Es around 95.5... 1201 KILA 95.5 Henderson NV (1050 mi) with ID and time... 1210 KLVM 94.1 Henderson NV, atmtd EL, \$94 ID and local ads later... 1212 KLUJ-FM 98.5 Las Vegas NV (1070 mi), news, ID, many local ads... 1240 Es gone with some 94.7 spurts apx 1250... 1259 KMET 94.7 Los Angeles CA (1190 mi) - with ID, soon out... 1855 Es around 94 mhz... 1859 WUSF 89.7 Tampa FL (975 mi) end NPR, ID... 1915 WVFM 94.1 Lakeland FL (1000 mi), news; WLCY-FM 94.9 Tampa FL, atmtd hit-parade... 1935 likely 98.7 peak... 1947 WOON-FM 94.9 Miami FL (1155 mi) - ID agn at 2015, 2030... 2030 probably the last of it. This has been a long time since a double-round of FM Es happened in one day, and this may have been the best opening since last June or July. I would have done better with some rovr improvements, especially in our easterly direction, what with all our local 100 kw's that way from here.

Feb 27: 0115, KLLL-FM 96.3 Lubbock TX (350 mi) local ads and ID. Trop a lot better on TV which earlier led into New Mexico; can't blame the antenna for FM problems anymore.

Mar 2: good evening trop in Houston direction; TV also well into Mexico.

Mar 7: conditions much again like Mar 2 trop to east and Mexico.

The Allied 426 with the new antenna system hasn't cured much, as the locals put about as many spurious responses into it now as the other set had, particularly when aimed across them.

March is usually the low point of the year for Es, and how it behaves might be an excellent indication of what the summer will bring.

(Ed. note: Mr. Dyer's report for March-April follows.)

Mar 12: 1630-1700, some Es to 94.7, likely Carolinas or Virginia... 2300 trop, KBIM-FM 94.9 Roswell NM (440 mi) with ID, ads...

Mar 15: 0035, trop, KTON-FM 106.3 Belton TX (135 mi) ID, cw format... 0055 KNUS 98.7 Dallas (250 mi) "K-News 99" ID... 0059 KXOL-FM 99.5 Fort Worth (240 mi) ID, and KSCS 96.3 Fort Worth, ID and news.

Mar 18: 2358 trop WKYV 106.7 Vicksburg MS (515 mi), s/off.

Mar 19: 0149 WKXI 94.7 Jackson MS (535 mi), ID.

Mar 21: 2305 KELT 94.5 Harlingen TX (215 mi) auto MOR, \$95.

Mar 22: 1050 KNUS 98.7 Dallas TX, newscast.

Mar 24: 0950-1200. TV MUF well into ch 5 a few times but nil FM found.

Mar 25: 2000-2030 Es MUF to ch 4 to south, again no FM's.

Mar 28: after 30 min of ch 2 Es MUF rapidly shoots into FM band. 2038 XHM-FM 88.9 Mexico City, D.F., Mexico (690 mi) with "Un Oasis en FM" slogan ID, El... 2040 XHGM-FM 88.5 Cuernavaca, Morelos, Mexico (725 mi) full ID with "Radio Concierto Moderno" slogan; mid-60's US rock... MUF reached at least vicinity of 95 mhz (Secant Law gives apx 119 mhz as MUF)... 2050 KELT ID in passing... 2100 likely last of FM es.

Mar 29: tropo: 0059 KAFM 92.5 Dallas, id, psa, \$ Rock... 0104 WFAA-FM 97.9 Dallas \$98, EL... 0115 KBUY-FM 93.9 Fort Worth, auto ID, cw... 0117 KSCS "silver country stereo" ID... 0129 KXOL-FM ID, \$, MOR... 0137 KNUS, ID, \$, rock... 2230 a few 88-89 Es to west; ch 6 Spanish audio... 2240 Es 88.1 briefly, TV ch 4 and 5 in well, likely southern California area.

April 1: good trop into Houston area with many pinning meter.

Apr 2: 0005 KCAW-FM 93.3 Port Arthur TX (280 mi), end news and wx, c&w \$ (KITY off, so first 93.3 logging)... 0023 KBPO 94.1 Beaumont TX (275 mi) ID "Sunshine Stereo", MOR ... 0203 KWIC 107.7 Beaumont TX, various tone/mx tests (ex-KJET-FM, local KBUC-FM off).

With all of the cold fronts running through here so far, the super-duct type of trop found in April is going to be harder to come by. It isn't staying warm and humid enough. Hopefully by next time there'll be some regular season Es to toss in the report. 73.

Glenn Hauser, Box 62, Von Ormy, Texas 78073

(7 Mar - 8 Apr) (All times CST)

Two weeks on the road cut into my DXing time, but they allowed me to visit such Mexicans heard earlier in the month as XHOX-95.36, off frequency in Tampico. Hearing it during an entire evening over the 500-mile path with an alleged 3 kw was the highlight of the month, followed by a trio of new by MS grasps.

Mar 7

2346 Tr 94.1 XET- Monterrey NL (265mi) Strong! Radio-TV promo, rock, 2351 Brandy Presidente ad; 000 no ID; 0022 dead air mx; 0025 down, 0051 weak w/KBPO now QRMing; 0100 ID Deutsche Welle transcrptn "Orquestas Alemanas de Musica Ligera" w/inserted Brandy ad. Stereorey ID, US pops. ant NE "...degrees outside the Ray tower..." ID jingle, CCI

Mar 8

0004 92.5 XHSRO- Monterrey NL (265) Stereorey ID, US pops.  
1126 MS 98.1 WRAY- Princeton IN (885) ant NE "...degrees outside the Ray tower..."  
1400 98.1 KRCH- ST Louis MO (750) ID jingle, CCI

Mar 9

2245 Tr 98.1 XHRL- Monterrey NL La Chica Musical. weak.

Mar 12

0854 98.1 XHRL- Monterrey NL ID  
0854 93.2 XHQQ- Monterrey NL nx  
0854 94.1 XET- Monterrey NL marimba mx; 0902 ID o/mx  
0912 92.5 XHSRO- Monterrey NL Stereorey ID; 1100 finally losing out to KYND

Mar 14

1940 98.1 XHMS- Matamoros Tamps (245) Ford ad  
1945 95.36 XHOX- Tampico Tamps, "Estereritmo" (495 mi) mix KZFM SB, SS song; 1946 ID "La mejor estacio de FM en cualquier parte fades in and out; nominal 95.3; only Tampico FM on air; several varieties of ID's, all by the same "Chica"-type YL; 2006 holding own against KZFM-95.5; 2007 full ID; from Inglaterra Hotel penthouse; 2022 full ID; ID's after every cut...2035 bad tape wow; 0033 out; 0042 back w/KOKE AGI; ... Wood's unID!

2228 93.7 XHNOE- Nuevo Laredo Tamps (140mi) "Estererama"

lite cl mx o/u/KTBO; 2231 localad; 2245 VW ad no sign of 93.3; 2250 "Esta Vd. escuchando "Estererama," Frecuencia Modulada" by YL;



April 1973

2232 92.7 KOYE Laredo Tx (135 mi) EL holding against KITY-92.9 for first time; 2357 end DJ pgm, ID in passing, 2358 cut carrier in theme; no formal s/off.

Mar 14  
2234 Tr 93.2 XHQQ- Monterrey NL US pops; measured right on this mhz  
2243 94.1 XET- Monterrey NL upbeat mx  
2251 92.5 XHSNO Monterrey NL SS ad

Mar 15  
0000 95.5 KEFM Corpus Christi TX (130 mi) s/off; 41 kw; emphasizing public interest, convenience, necessity; and claiming 2 and 4 channel stereo

Mar 18  
1930 98.1 WAFB- Baton Rouge LA (455) sermon; 0000 parish nx, 0003 s/off; 100 kw, Nashville Sound, 5 am return.  
1930 101.5 WYMK- Baton Rouge LA classical mx; 2058 opera nx

2055 89.9 WWNO- New Orleans LA (510)

Mar 21  
2245 98.1 XHMLS Matamoros Tamps x/off, mx, 224500; 2247 off revealing XHRL

Mar 22  
0820 89.7 WMCU Miami FL (1155) sermon, 0829 end "Showers of Blessing," ID barely during f/out, "...voices of Miami Christian University..." no other Miami FM's in; front Miami-Dallas; 0855 back w/ Esperanto lesson (note: REW)--or another stn?

0843 MS 89.7 WDYN Chattanooga TN (875) "Correspondence to 'Living,' Rosemead CA..." 1000 WDYN ID in 2nd burst.

0925 Tr 89.7 WUSF Tampa FL (990 mi) hearing or speech pgm; 1107 ID; meanwhile TV opening from sthrn Florida

1250 Gw 90.1 KPFT Houston TX (200 mi) leaving air temporarily for evacuation following bomb threat

Mar 24  
1105 Es 88.5 WRAS? Atlanta GA? nx by local, in & out; WSB-TV in for some time

Mar 25- Mar 30: out of town, driving through northeastern Mexico.

Apr 2  
0000 Gw 92.9 KITY- San Antonio TX (15 mi) off the air; not regular silent period.  
0124 Tr 99.9 KPFL- Lafayette LA (390 mi) ID, 0504 s/on, into nx.  
0531 98.1 WAFB- Baton Rouge LA ID, 911 emergency phone number promo

Apr 2 - Apr 6 out of town, driving through west Texas.

Apr 7  
0829 MS 91.1 WFAM- Jacksonville FL (1020) ment. Jones College; new by MS, previously Es & Tropo; 11th station here by 3 propagations

Apr 8  
0059 Tr 99.7 XHPB- Veracruz, Ver (715) "PB Estereo" s/off till 7 a.m., mx; 0101 off.

Until the next, 73 de Glenn.

Ed. note-- because I am leaving for overseas some time in the near future, it is necessary for me to surrender the editing of this column to someone else. I'd like to thank all who contributed reports, and urge those readers who have not submitted reports to do so. Don't be awed by some of our ace reporters who manage to rack up a dozen stations for every one of ours. We want everyone to participate. If any further encouragement is needed, look at my dismal record of only a half-dozen new stations in that many months. Be alert for the announcement of a new editor of Western FM DXing. I give this up reluctantly. Thanks.

Mike.

# SOUTHERN · FM DX

Editor: Richard E. Wood  
820 Arlington Ave.  
Baton Rouge LA 70806  
Tel. (504) 343-7771

-----  
FEATURING FM FROM LOUISIANA TO MARYLAND  
-----

Ronald J. LeBlanc, 2524 Arizona Dr., Marrero LA 70072

CST  
2-12-73 to 4-12-73

Channel Master 3617 at 65ft w/ Alliance T-45 rotor, Winegard SC-650  
Stereo Probe at 20ft w/ Alliance T-45 rotor. Heathkit AR-1500 FM & rx.

Some of the worst FM DX cx for the past few months I have ever seen. Nothing new logged since 2-5-73. A few skip openings on TV but the MUF did not reach the FM band. A QSL letter & card from Jamaica brought totals to 397.

3-2 and 3-3 Tr Many E. TX stns hrd, plus some Shreveport LA stns.

3-31 Tr 1000 WAPI 94.5 Birmingham AL. \$ EL (320), 1009 WJLN 104.7 B'ham RR, 1028 WJDB 95.3 Thomasville AL EL. Plus some E. TX stns. 2300 WMAI 107.9 Panama City FL RR (Thunderstorm warnings).

Well that's about all I could muster up for the last few months, let's hope conditions get better in April. 73s. (Tnx for support in a thin month; I fear cx are no better as of this typing 4/15. I have nothing worth reporting, my second month without a report for my own column. REW)

Mike Dorner, Jr., 1409 Hymelia Ave., Metairie LA 70003

All times CST

This rpt is the 1st. to appear since Dec., for I've been doing little DX-ing, involved as I was in a great deal of job-work & finishing a CEI electronics course which gained an FCC 1st. ticket for me. (Congrats, Mike, you've spent the time more fruitfully than at the DX-empty days. REW) However, I have done some, and here it is:

10/30/72: Rose in the wee small hrs to garner a no. of FL AN'ers, most of which I had. New: 0446 WMYQ 96.3 Miami FL (669 mi.) \$ RR, live anncr, ID 0451; weak, but no fade. By 0500 all had disappeared, a phenomenon I've noticed before. Apparently FL sunrise time changes convection currents & cuts off the ducting to N. Orleans. I can recall only one occasion - Xmas 1971 - when ducting lasted into the late morning. (Yes, this has been my experience w/ S. FL, too...to the North, etc., things are different. REW)

10/31/72: 1026 unID 90.7 w/ wx cx, Consumer Rpts, weak, barely audible. 1018 WJOF 104.3 Athens AL promo for Ala. football, relog.

11/1/72: excellent trop opening, bringing a no. of long sought stns: 0631 KCRF- 95.9 Winnsboro LA (166), sports pgm, FB games in the area; spots for Texaco, finance co.; 0655 promo AM-FM nx; signal building; C&W; hvy SB QRM local 95.7. 0724 KRIL 99.3 El Dorado AR (265) ID "from El Dorado comes KRIL nx", spot, clear sig; no trouble from local 99.5. 0726 KELD- 103.1 El Dorado AR, auto MoR, \$, spots Union County Pennypincher, Cliffman Shop, prom Earl Nightingale, 0730 ID. 0802 brought WSMU- 106.3 Starkville MS in the N. part of the state, from whence tropo rarely comes. (I've heard it three times only, here, REW) NBC nx on the hr, 0805 live dj, young, Beatles mx, \$ Anncr; Bob--. Fading severely, w/ loss at times. Openings later to WKES 89. TN, WAPI 94.5 AL, and WREC 102.7 TN, all relogs.

11/8/72: KJAK 100.5 Oklahoma City OK (577), w/ C&W, live anncr; \$; thanks to Ron LeBlanc for tip; only Sooner capital stn in, 1853.

2/5/73: (So you missed the midwinter skip, Mike, REW) 2124 brand-new WJDB- 95.3 Thomasville AL (292), top 40, live dj, spot for Bank of Commerce of T'ville; fading heavily. 2200 WFAM 91.1 Jacksonville FL (504), RR mx, generally uninterrupted, \$, clear & loud. Spot (!) for Jones College Apartments [cf. similar recent report, REW], PSA in SS for US Customs. 5/off 2300 2255 brand-new WABB-FM 97.5 Mobile AL (140) w/ nx promo, heavy RR mx, generally automated except for occasional live breaks, \$, 24hrs. This high-power C should be an easy target for Mid-West DXers, and represents the re-



Mike Dorner, Jr. (Cont.)

entry of WABB into FM, whose early FM operated on 102.1 from 1948-52. WABB had bought the CP for 97.5 from local WM08-(AM). LeBlanc tells me this was its first day operation. (Correct, REW)

2/6/73 0558 relog WFDR- 93.3 Manchester GA, spot for Rhodes Stores.

3/3/73 1135 KREB 106.1 Monroe LA, relog, steady, remote pgm from shopping center; mono, unusual at this time of day. 1142 KINB 107.3 Poteau OK, also relog, w/ spot Ft. Smith store; mono, live DJ, sppt for Ray's Store in Wilberton OK; unusually strong.

3/7/73: long, long-sought, #1-most-wanted KDLA- 101.7 DeRidder LA (189) 0958 out of UPI Audio nx, weakening rapidly; UPI spot for Travellers' Cheques; 0959 spot for Beauregard Savings & Loan Assn "in DeRidder"; state and local headlines, ID "contemporary sound..." (hvy fading out to WYNK 101.5, WWL 101.9). No call hrd, but what else could it be? Beauregard is the name of the parish (county). This capture brings my stn total to 376, and includes all operating LA FM stns, except KRMD- 101.1 Shreveport. (Of course, I'm green with envy, Mike; DX-ers not in this area can't imagine just how ardently sought this one has been by the 3 active LA DX'ers. REW)

3/13/73 1945 KWIC 107.7 Beaumont TX (244), relog, ex-KJET-. On Feb. 21, the FCC had fined KJET- \$1,000 for operating w/ improperly licensed operators & omitting entries in ops logs; stn had broadcast 55 mornings, Soul afternoons & evenings; apparently earlier this week stn changed call to KWIC, changed format to top 50 RR, hired young annrcs, runs a live format, anncd plans to go \$ before end of week (which it did). KWIC is the 2nd. RR in the Beaumont-Orange-Port Arthur-Lake Charles triangle ["Golden Triangle", REW]. (KOBBS 104.5 Orange is the 1st.), an undeveloped area which still boasts 2 empty class C channels, though all 4 cities are on the SMSA list! (Txn for info, REW)

3/29/73 2110 relog KIXL 104.5 San Antonio, fluttering, RR mx.

3/31/73 0845 KHCB 105.7 Houston, religious "Keep Him Close By". 0852 KETX- 92.1 Livingston TX (290), ed, fluttery. 0903 KAYD 97.5 Beaumont, out of local nx, strong, \$. 0927 KOBBS 104.5 Orange TX, RR, mono, top 40, no spots as usual (how does this stn stay on the air?). 1005 WACT- 105.5 Tuscaloosa AL (279), out of UPI Audio nx. All of these relogs. 73.

Lowell E. McCown, Box 416, Martin KY 41649

I haven't reported in several months so guess it's about time for another one. I hope 1972 was a good DX year for everyone. (Better than '73 has been so far! REW) I really became serious abt FM DX when I stumbled into the good ES opening June 2, '72. Until that time I had a few veries that I had collectd in 1970. Much has happened here since June 2. Since Jun 2, '72 have logged 33 states and confirmed 26, logged 180 stns and verified 103. Only 2 foreign stns were heard - ZFB- and ZBM, both Bermuda (both now verified). On 12/17/72 Es returned to the band - the first time since 8/1/72. (there could have been some openings in this area that I missed since I haven't been listening to the band as close as I did during summer months.) Was just giving the dial a quick spin and was very surprised to hear stns on frequencies that are normally quiet here. Was even more surprised when I discovered it was Es.

There were 2 periods of Es activity on 12/17/72 - late morning and early evening. During the morning session I logged five new stations, including 2 new states - WI & MN, states #29 & 30. Keeping in mind that sometimes after morning Es there is often an afternoon session also, I kept close watch on the band. Sure enough, there was the Es again; only this time it was positioned in the NE, an area where my log is quite blank. I had only logged one new stn during the 2nd. session when company arrived, so had to quit for about an hour, GRRR. Got back to the dials at 1700 & managed to log 3 more before the band folded. 3 more new states were logged, however, they were NJ, VT and NH, for states #31, 32, and 33. (Very good, REW) So 5 new states were added on that date. If only I had not had to miss that one hour?

Lowell E. McCown (Cont.)

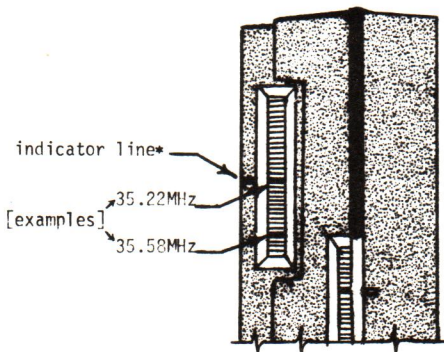
Here is the list of stns hrd 12/17/72: (time EST). All Es.

			mi	
1029	94.1	WIAL Eau Claire WI	650	spot Magett Printing Co, 2407 Pleasant St., Eau Claire, ID 1030
1045	94.5	KSTP- St. Paul MN	725	local ad & ID
1046	93.3	WWLA La Crosse WI	600	talking abt background mx
1056	97.1	KTCR- Minneapolis MN	725	"This is the Twin Cities" first 24 hr. Ctry Mx stn, KTCR-" wx 1059; DJ was Bill Roberts.
1110	96.5	KNWC Sioux Falls SD	910	ID 1110, wx, temp, then cont "Morning Mels".
1659	94.3	WJLK- Asbury Park NJ	500	Ad White Rock Soda then continue 1700 w/ 43rd Annual Xmas Sing.
1712	93.3	WRLM Taunton MA	640	Annrc asking everyone to do their Xmas shopping in dntn Taunton
1758	92.9	WVNY Burlington VT	675	Local ad for Fitzpatrick's Garage, then wx, ID, then mx
1813	94.9	WMTW- Mt. Washington NH	725	"Watch Liberty Bowl on Mt. Washington TV". Can't find a TV stn listed for Mt. wash. Do they have TV? (FM stn. is owned by Mt. Washington TV, Inc. FM is affiliate of WMTW-TV. REW)

It is quite difficult to receive very many stns here at this location. I live in the mountainous area of E. KY, and there aren't many stns in the area. I can only hear about 12 regulars w/ my simple set-up. I suppose some of you DXers who live on and near metropolitan areas can probably tune 50 to 75 stns at any time! (Yes I can, for one, Lowell, but I wish I couldn't, REW). The closest stn is 10 mi. from me. Under normal cx stns up to abt 50 mi. away can be received here. Hope '73 is a good DX year for all. Will report again when cx begin to improve. Rx is the Heath AR-17, and the antenna is a folded dipole made from 300 ohm twinlead hanging on my back porch... patiently waiting...73. (Lowell, how about investing in a good FM antenna? They come as cheap as \$10, a very good one for around \$20 if you shop around. It would help you on trap; here, surrounded by locals and semi-locals, a good antenna is almost a disadvantage, and for skip I often switch from my mighty quad to a single Winegard; but in your location a potent antenna would really serve you. REW) (Pardon delay of your report, held over for lack of material for a full column. REW).

### CALIBRATING PORTABLE VHF MONITORS

Ever since Allied introduced the A-258G and Lafayette its counterpart, both have gained great popularity with WFDAs. VHF Utility editor, Pat Dyer, has had an incredible level of success using the A-258G. However, one of the greatest downfalls of this portable is its lack of accurate calibration. An easy way to solve the problem, is to fill in selected ridges on the thumbwheel tuning dial with a light colored paint. Just wait until you hear a station on a known frequency. then make an indicator line and mark the thumbwheel to match... Morrie Goldman





# NORTHERN FM DX



ROGER W. WINSOR  
718 N. FREMONT RD.  
VALPARAISO, IN 46383

## Letter from Roger Winsor:

I would like to try to explain why the Northern FM DX column has not been in the recent issues of the VUD. During the winter months, there has been very few reports from members and at the same time I have been in the middle of an extensive remodeling of part of my home. All of my radio gear, files, etc. were crowded into boxes for space-sake. In January, I mailed the three reports I had received to Morrie. It never got there for some reason.

February was another poor month as far as members sending anything and so was March. In April I have received one report.

It seems to me that too members fail to realize that this is a hobby, and a hobby only. Complete inaccuracies were perpetrated when I decided to drop out of both the NRC and IRCA -- thinking I had given up DX completely. I have only given up AM DX, because it is completely frustrating to try to DX on a previously open channel, now cluttered up with three NSP stations. In fact, I look forward to a very good summer season, as I have just recently purchased a Kenwood 6005 and a Pioneer A 8100 amplifier and can hardly wait for Es to finally show up.

I have a wife and a family of four children, and just don't have the time to devote to DX only. Because of all the uproar created by some unknown members of this club, I am going to relinquish my editorship.

Being an editor was fun most of the time and I hope a new editor will find it the same way. Working every day, plus personal affairs with both myself and my family just takes up too much time.

Roger Winsor

## Note to Northern FM-DXers

As was indicated in the PUBLISHERS' NOTES column, the new editor of the NORTHERN FM DX column is Russ Brown. (3274 South Lake Shore Drive, Saint Joseph, Michigan 49085)

DXers north of the Mason-Dixon Line and east of the Mississippi River, should now send their reports directly to Russ. Though not yet set by Russ, your deadline will probably be around the 12th.

MTFDA regrets that a few reports were quite probably lost during the editorial change. Things will now be returning to normal and we encourage you to send your reports to Russ.

Morrie Goldman, ed.



# VHF UTILITY DX

Pat Dyer  
5315 Silvertip Drive  
San Antonio, TX 78228  
Deadline: 12th of month

MAY 1973

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20015 GMT, QSLed

8-1: 1610, KIF 355	37.26	McMinnville, TN (100 watts)
9-16: 0008, N984MA	119.7	ov Chesapeake Bay Bridge (John J. McDonnell; Piper Navajo PA-31; 2-eng., 6-seat)
12-16: 1612, N734N	132.5	ov Phil., PA (Piedmont; Boeing 737; 25 w)
1-13: 1939, CF-QBO	134	90 mi north of Norfolk, VA (Quebecair; BAC 1-11; 60 watts)

Now, my loggings. Allied A-2586 with 30-ft indoor random-wire antenna, 50-MHz with Swan 250 and 3-element CushCraft horizontal Yagi at 14 ft; all are F2 (\* backscatter) unless noted; peak unID daily F2 noted if 40-MHz or more; Sp.-Spanish, rtty-radio teletype, Col.-Colombia, sol. noise - solar noise matching Boulder bulletin; CST, new underlined

3-11: 1332, sol.noise	30: 1035, KAI 927 (Es)	6: 1400, 46.7-Sp.
12: 1152, sol.noise	1049, KDN 407 (Es)	1833, KMA 829 *
1214, sol.noise	1230, 45.1-Sp.	8: 1250, 46.9-Sp.
15: 1224, sol.noise	31: 1659, KLF 527	2320, KDN 407 (Es)
17: 1722, KMA 829 *	4-1: 1320, sol.noise	9: 1132, sol.noise
19: 1305, 46.9-Sp.	1500, 50.075	1322, sol.noise
21: 1340, 42.5-Sp.	1655, WB5AHC *	1325, 45.1-Col.
24: 1425, 45.1-Sp.	2: 1300, 45.3-Sp.	1405, 47.3-Sp.
29: 1410, KFL 943 (Es)	1616, KLF 527	1535, 44.7-Col.
1650, L Beach (Es)	3: 0920, KDN 402 (Es)	10: 1311, sol.noise
1959, 3 Diego (Es)	1335, 46.1-rtty	1635, KLF 527
2104, KMA 829 (Es)	4: 1425, 46.7-Sp.	1729, KMA 829 (Es)
2110, KDG 872 (Es)	5: 1345, 46.3-Sp.	11: 1340, 45.1-Sp.

KAI 927	35.34	Denver, CO	KLF 527	35.22	Honolulu, HI
KDG 872	33 +	Los Angeles, CA-f	KMA 829	35.58	San Diego, CA
KDN 402	35.54	Omaha, NE	WB5AHC.	50.12	Irving, TX-a
KDN 407	35.22	Co Springs, CO	-	35.58	Long Beach, CA
KFL 943	35.58	Las Vegas, NM	-	35.46	San Diego, CA-mp

a-amateur, f-fire, mp-mobile phone; rest are pagers with A2 tone Morse ID from KAI 927, KDN 402, KDN 407, and KMA 829.

The following table is a condensed version of previously run ones (this column in Aug 1970 and July 1971 and 1972) and gives the M-factor for a non-tilted Es patch at 105 km using the 'secant law'.

1400: 1.000	1000: 1.062	600: 1.380	200: 3.087
1300: 1.004	900: 1.105	500: 1.566	150: 3.681
1200: 1.015	800: 1.166	400: 1.849	100: 4.423
1100: 1.033	700: 1.254	300: 2.304	50: 5.207

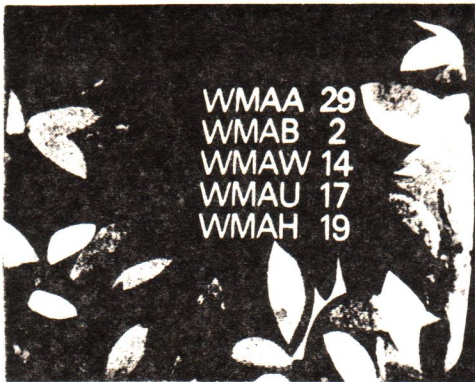
To use this, suppose you have 40-MHz skip down to 600 miles, then the 1420-mile skip (the maximum for the given height) should be 40 x 1.38 = 55.2 MHz. Recall that the Es must be near the path midpoint, so getting short skip in the 30-50 MHz range will not always give you TV skip.

By plotting the above on graph paper, intermediate distances can be interpolated for. This can also be used to determine minimum skip range for frequencies below the MUF. Additional explanations and data for those interested are available for an s.a.s.e.

The Es season should be well under way when this appears. Again, it is desired that some DXers with 108-118 MHz rcvrs check for VOR's when the MUF is up above FM. The slow A2 Morse ID's are continuously sent.

73, Pat WA5IYX





WMAA 29  
 WMAB 2  
 WMAW 14  
 WMAU 17  
 WMAH 19

WMAU-17, Bude, MS. January 23, 1972  
 Glenn Hauser, Von Ormy, Texas - tropo



CKCK-TV, ch. 2, Regina, Sask. May 1972  
 Robert Williams, Twin Falls, ID. E<sub>5</sub>



KNOE-TV, ch. 8, Monroe, LA. January 23 '72  
 Glenn Hauser. 435 mile tropo



XHAB-TV, ch. 7, Matamoros, Tams. Sept. '71  
 Glenn Hauser, Von Ormy, TX. tropo



XEW-TV, ch. 2, Mexico City. June 21 '69  
 Robert Williams, Blackfoot, ID. E<sub>5</sub>

WUSL-TV, ch. 6, New Orleans, LA. Jan 24 '72  
 Glenn Hauser, Von Ormy, TX. tropo







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