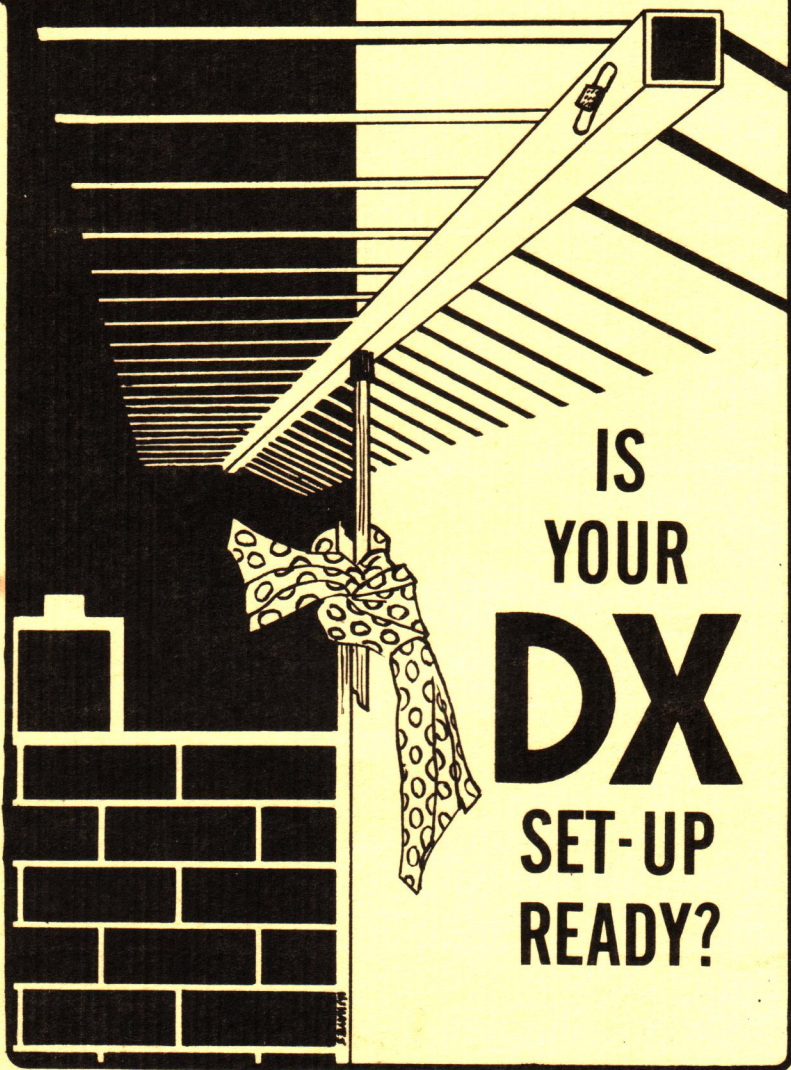


VHF-UHF DIGEST

1973
APRIL



IS
YOUR
DX
SET-UP
READY?

publishers' notes...

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

IS YOUR DX SET-UP READY?.. This month's cover by Jim Hayes, poses a very timely question. April marks the beginning of our "DX season", and often things start to happen so fast that many DXers are caught unprepared. Winter usually takes its toll on your antenna system. Now is the time to check things out! If you planned to install an antenna especially for Es, don't delay that either! An indoor check-out may be in order as well. If your receiver is a tube type, try checking the RF and IF tubes on a good mutual conductance tube tester (not the drug store variety). Then trace all your connections from antenna terminal to antenna. You might realize that it's time to replace your old lead-in. This month in Techni-Corner, Dave Janowiak will give you an idea of what DX action to expect.

IT'S NOT TOO EARLY TO MAKE CONVENTION PLANS... With about four months left till the 1973 WTFDA convention in Dunkirk, New York, it's time to start making plans. Remember, the convention is scheduled for August 2nd, 3rd, 4th and 5th. If you plan to drive and can give someone a lift along the way, or are in need of a ride, write to convention host, Bob Seybold, as soon as possible. (Bennett Road, Dunkirk, NY 14742). Next month we hope to have more convention information and a tentative program as soon as possible.

MEXICO UPDATE... Glenn Hauser has been busy again-- this month with a super up-to-date report of news and developments in Mexican television. Even the people at TV FACTBOOK could learn something from this report!

NEW WTFDA INFORMATION SHEET AVAILABLE... A new four panel info sheet is now going out to respond to DXer inquiries. The sheet details what WTFDA is all about and what our hobby is about. Over 1500 are being mailed out in the coming months, from our existing lists alone. We'd like to encourage our members that are employed by radio and TV stations to write us to receive a quantity of the sheets. They could then be included with DX verifications. If you'd like to see a copy, just send a SASE to WTFDA Inc.

SETTING THE RECORD STRAIGHT... WTFDA would like to publicly extend our thanks to member Perry Ferrell and Gilfer Associates, for many services rendered. Perry has an extensive background in journalism and V-LPF DYing, and as most of you probably know, is the former editor of Popular Electronics. Perry has been most helpful in providing advice to your editor and has helped WTFDA greatly. He has also distributed information about WTFDA and other ANARC clubs through his company, Gilfer Associates. We say, "setting the record straight", because Perry has taken a great deal of flak lately from other DXing circles. From what we can tell, this is certainly unjustified.

FEEDBACK ON UHF DETENT TUNERS... In response to our questions in February's Publishers' Notes a reply was received from member Edward R. Krol, of Zenith Radio. You may recall that our question regarded the accuracy of the new 70 channel detent tuners. Ed informs us that with either of the two Zenith 70 channel detent tuners, dial error should not exceed ± 3 MHz (about 1/2 channel). For the TV-DXer, accuracy of this level would certainly be acceptable; especially when one considers the free wheeling inaccurate gems that we've been living with! We'll have a more detailed report of Ed's comments and information on another manufacturer's tuner, next month. Until then...

MEXICO

APRIL
1973



NEWS AND REVIEWS
OF DEVELOPMENTS IN
MEXICAN TELEVISION
...by Glenn Hauser

THE 'PBS' OF MEXICO got underway last year, with the formation of TELEVISION CULTURAL DE MEXICO (TCM--not to be confused with the old Telecadena Mexicana). It grows out of a Presidential Decree establishing TELEVISION RURAL DE MEXICO--apparently an expansion of the nationwide microwave system. TCM produces a few programs of its own, seen only 'en provincia' and draws many more from all six existing Mexico City flagship stations (five commercial and one non-; logos shown below). The TCM program guide shows which station to watch throughout the afternoons and evenings for cultural offerings. Viewers in 'la capital azteca' must switch channels to keep up with TCM, but those in remote areas presumably get them all on their own local relay transmitter. This is the published lineup of TCM outlets, which may very well have grown larger by now; call letters are never given, and some of them coincide/conflict with existing stations. None of them, even the close ones in the northeast, have yet been detected at our south Texas monitoring post; their power may be low, or (¡ojalá que no!) they may be limited to cable. DXers, watch out for these!

- 3 Sabinas & Nueva Rosita Coah
- 3 Tonalá Chis plus repeaters (ch?) in Arriaga and Pijujapan, both Chis
- 4 Chihuahua Chih plus repeaters (ch?) in La Perla, Pinosas, Namiquipa, all Chih and Hercules Coah
- 5 Colima Col
- 5 Oaxaca Oax
- 11 Juchitan Oax
- 12 Piedras Negras Coah
- 13 Cuernavaca Dgo
- 13 Coenatán Chis



Tele-Gufa, on the other hand, indicates only 3 Sabinas, 4 Chihuahua & Ciudad Delicias, and 5 Oaxaca as 'live' net affiliates of XELPN-11.

Instructional TV continues to be seen on Mexico City's XHGC-5 in the mornings and early afternoons, and its repeaters; XHTM-8 alone does semi-instructional programming part of the morning.

Another interesting development is the now widespread publication of ratings for all TV programs, in one of three categories: for the entire family, not for children, and not for children or adolescents. Strangely enough, the major network newscasts on both W2 and TIM get the "X" rating!

The news shows are pretty bad, but not with sex and violence! Though electronically sophisticated, they're years behind in content and overall journalistic standards.

The cult of the personality is as big a thing in México as in the USA. A glib, middle-aged redhaired fellow with the unlikely name of Jacobo Zabludovsky is the star of W2's "24 Horas" for an hour and a half each weeknight, with a 7.a.m. replay on ch 5. Zabludovsky is regarded as the Cronkite of México, but there the comparison ends. His trademark is a large pair of stereo headphones constantly encasing his cranium during the show. In fact, he would look quite naked without them. They allow him to hear the director's cues quite well (none of this unobtrusive bug-in-the-ear business) and perhaps listen to the latest pop hits as he reads his script.

TIM counters with an earnest young (25ish) Juan Ruiz Healy, who wears respectably long hair instead of headphones. The television press seems awed by such proficiency in a young man. His "En Punto" clashes head-on with Zabludovsky, since both happen to go on around 10:30 p.m. Television news is an expensive business, so TIM runs voice reports from several overseas correspondents, along with stock footage of the city or country in question--rather than actual newscast. It looks very amateurish! Both shows can and do draw heavily upon film reports broadcast on CBS and NBC news--with Spanish sound added, of course. Sometimes a New York correspondent can be heard with, say, his version of a story in South Dakota, completely unmatching film from the scene.

LAS MEJORES SERIES FILMADAS
LAS MANDAMOS POR UN
CABLE, ANTES QUE NADIE



ESTA SEMANA POR
CABLEVISION CANAL 10
VENTAS Tels: 5-45-71-22
SERVICIO 5-45-77-08 5-45-75-31
5-31-01

CBS and NBC news gets to Mexico City via KGBT-4 and KRGV-5, microwaved in from Texas for Cablevision, a W2 subsidiary. Subscribers are denied direct access to local and network news--

except when the non-English-speaking controller is asleep at the switch.

Both the news stars have a set of sidekicks--Healy an equivalently pretty young woman, and Zabludovsky a Mr. Sports, among others. As an added attraction, "24 Horas" runs a horoscope around midnight. Both nets have the latest video gimmicks--chroma key and sinewave animation and wipes. However, W2 in particular can't seem to get the 'boil' out of its chroma key (but then, CBS News has a bit of that too; for first rate chroma key, witness Sonny & Cher's 'vamp' multiples).

Zabludovsky is commendably informal, sometimes pausing to exchange comments with off-camera studio crew, or to take phone calls live on the air from correspondents in far corners of the country. It's basically a radio show with a bit of film added (most things that matter in México happen in Mexico City). In fact, the show is simulcast on XEW radio, with some of the ads replaced.

During 1972, which was the "Año de Juárez," Zabludovsky had another prop--a statuette of Benito Juárez, the greatest of their Presidents--always in view next to his mike. A nice touch, really, but can you imagine Cronkite with a statue of George Washington on his desk? Maybe in 1976....

Seriously, watching Mexican TV is enjoyable; I am fortunate often to be within DX range.

Logos of Guadalajara, Jalisco TV stations, from a newspaper program schedule.



canal 2



TV CANAL



more from:
GREGG CALKIN
(plus data from
World Radio-TV
Handbook, 1973)



PROGRAMACION DE HOY

DOMINGO 16 de Julio de 1972

PROGRAMACION DEL MEDIO DIA

11:45 A.M. Dibujos Animados
12:00 M. Domingos Musicales
12:30 P.M. Música y Risas
1:00 P.M. Café de Artistas

PROGRAMACION DE LA TARDE

4:00 P.M. Dibujos Animados
5:00 P.M. El Virginiano
6:30 P.M. Magnífico Justicleros
7:00 P.M. Julio Alemán Show
8:00 P.M. 77 Sunset Strip
9:00 P.M. Amor a la Americana
10:00 P.M. Tele-Pelicula

PROGRAMACION DE HOY

DOMINGO 16 de Julio de 1972

PROGRAMACION DEL CANAL CUATRO

4:00 P.M. Dibujos Animados
5:00 P.M. CUATRO FANTASTICOS
5:30 P.M. LLANERO SOLITARIO
6:00 P.M. EL HOMBRE DEL RIFLE
6:30 P.M. CLASICOS DEL OESTE
7:00 P.M. HECHIZADA
7:30 P.M. CLIFF DEXTER
8:00 P.M. EL OJO DE LA CERRADURA
9:00 P.M. PREMIER ESTELAR



1. TELEVISION DE NICARAGUA (TV6)
Address: Apt. 1505, Managua Telephone: 2-5404 Stations: Ch. A6 (YNSA-TV), 6/3 kw, schedule 1200-1400, 1700-2330 CST; Ch. A8 (planned repeater)
2. TELECADENA NICARAGUENSE (TCN)
Address: Same as #1 Telephone: 24782 Station: Ch. A4, 2/1 kw; schedule 1530-2130 CST
3. TELEVICENTRO DE NICARAGUA
Address: Km. 3 1/2 Carretera Sur, Apt. 1741, Managua Telephone: 6-0118, 6-0119, 6-0723 Stations: Ch A2 (YNTC-TV) 20/5 kw, Managua; Ch A7, Chinandega, 1/1 kw; Ch A9, Matagalpa, 1/1 kw; independent repeater on ch A12 (YNLG-TV) ID pictured below.

Ch 2 has been seen in Texas since the earthquake; Ch 6 was seen before. --GH



IDENTIFYING Non-English

by Richard E. Wood

DX

PORTUGUESE: The language of Camões will chiefly reach WTFDA'ers in its South American variant via double-hop Es from low-band stations in Brazil. Brazilian PP sounds a little like SS, but not particularly so. As for metropolitan or Lisbon PP, it actually sounds so unlike SS that any confusion is much more likely to result from the recognition of very common words or even common phrases - PP *senhor*, SS *señor*; PP *tempo*, SS *tiempo*; PP *agora*, SS *ahora* "now"; PP *bom dia*, SS *buenos días* "good day, good morning"; PP *boa noite*, SS *buenas noches* "good night". Besides these slightly differently spelled items, which may sound almost the same as, somewhat similar to, or in some cases quite unlike, the SS equivalents, there are many words like *Presidente* which are spelled totally alike but whose sound is rather different. As at least 95% of PP words are cognate (i.e. historically identical) with their SS equivalents, there will be many familiar-sounding items; but the overall sound pattern, the ups and downs, lengths and stresses, the cadences and rises, are quite different. Brazilian PP has a distinctive, unforgettable rhythm, a lilting, to us rather sad-sounding, singing tone of falling cadences and stresses, a little like the sing-song Swedish, or Swedish-immigrant English, so beloved of certain old-time comedians.

Watch for the nasals of PP; the masculine indefinite article *um* "a, an"; the endings *-am*, *-ão*, *-om*, etc. The final *-m*, corresponding to the *-n* of SS, is not a true consonant but a marker of the nasality of the foregoing vowel. Likewise, *~* (the *til*) marks nasality. The acute (not always consistently written, in Brazil, *^*, marks certain fine distinctions of vowel quality, e.g. in *sêlo* (but often written simply *selo*) "stamp". Some correspondences in endings are:

SS	PP
-ción	-ção
-iones	-ões
-an	-am
-e	-e [but sounds like SS <i>i</i> , in Brazil]
-o	-o [but sounds like SS <i>u</i> , everywhere]

The articles:	SS	PP	
	<i>un</i>	<i>um</i>	"a, an, one" (Masc.)
	<i>una</i>	<i>uma</i>	" " " (Fem.) (sounds "ü-a")
	<i>el</i>	<i>o</i>	(sounds like EE "ooh") "the" (Masc.)
	<i>la</i>	<i>a</i>	"the" (Fem.)
Note also:	<i>dos</i>	<i>dois</i>	"two" (Masc.)
	<i>dos</i>	<i>duas</i>	"two" (Fem.).

Examples like *-o* and *-e* show that PP spelling (like EE) is archaic, preserving SS-like forms from the days when the two languages were very similar. The commonly heard word PP *ouvinte* "listener" is a case in point. In spelling it is quite like SS *oyente*; but in Brazil the *-te* becomes Eng. "chee", hence the overall sound is like Eng. *oh-véén-chee*, unlike the SS. Just to complicate things and to show you what a paradoxical language PP is, PP *noite* "night", which looks quite unlike SS *noche*, undergoes a sound shift in Brazil which changes the written *t* to a *ch* sound exactly like the Spanish! The sound, then, is Eng. "nóy-chee". Final *-oo* (written *-o*) is typical of PP; rarely heard in SS.

The following sounds, not found in SS, are typical of PP; *z* (often spelled *s*); *sh* (spelled *ch*); *zh* (spelled *j*, sometimes *z*), uvular (throaty) *r*, often tending close to English *h*, e.g. in *rádio* which can sound like "hádjioo", and the nasals. Words to watch for include "o Brasil" (oo brazeel, oo brazeew), "o Presidente da República" (-denchee), "a hora certa" (the exact time), "a próxima atração" ("the next attraction, next item" -atrassów), "orezados ouvintes" (dear listeners), *televisão* (TV), etc.



FCC
TV

NEWS — DATA

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

APRIL 1973

STATIONS ON THE AIR/GOING ON THE AIR

Winston-Salem, NC--(ch 26 ETV) WUNL-TV granted STA 2-20-73 for 2-20-73 for programming start 2-22-73.
Charlottesville, VA--(ch 29) WVIR-TV started testing 3-1-73, plans full programming 3-11-73 as NBC affiliate.

STATION OFF THE AIR

Guasti, CA--(ch 46) KBSA left air 1-29-73.

CHANGES GRANTED IN STATIONS OPERATING

Kansas City, MO--(ch 19 ETV) KOPT granted license 2-28-73 for change to 980-kw max. & 708-kw hor. vis., 196-kw max. & 141-kw hor. aur.
Schenectady-Albany-Troy, NY--(ch 17 ETV) WMHT granted mod. of CP 1-31-73 for change to 2630-kw max. & 2000-kw hor. vis., 398-kw hor. aur., 980' AAT.
Youngstown, OH--(ch 27) WKBN-TV granted CP 1-31-73 for change to 724-kw max. & 219-kw hor. vis., 72.4-kw max. & 21.9-kw hor. aur., 1400' AAT.
Anderson, SC--(ch 40) WAIM-TV granted CP 2-27-73 for change to 157.6-kw max. & 110-kw hor. vis., 31.5-kw max. & 21.9-kw hor. aur., 383' AAT.
Portsmouth, VA--(ch 27) WYAH-TV granted license 2-28-73 for change to 2331-kw max. & 1440-kw hor. vis., 478-kw max. & 268-kw hor. aur.
Madison, WI--(ch 27) WKOW-TV granted CP 2-12-73 for change to 1000-kw max. & 871-kw hor. vis., 200-kw max. & 174-kw hor. aur.

CHANGES REQUESTED IN STATIONS OPERATING

New Haven-Hartford, CT--(ch 8) WTNH-TV requests CP for 168-kw vis., 33.6-kw aur.
Vincennes, IN--(ch 22 ETV) WVUT requests mod. of CP for change to 1565-kw max. vis., 313-kw max. aur.
Philadelphia, PA--(ch 29) WTAP-TV requests CP for change to 5000-kw max. & 3460-kw hor. vis., 500-kw max. & 346-kw hor. aur., 1137' AAT.
El Paso, TX--(ch 13) KPEL-TV requests CP for change to 316-kw vis., 31.6-kw aur., 2000' AAT.

CONSTRUCTION PERMITS GRANTED

New Haven, CT--(ch 65 ETV) New, CP granted 2-21-73. 9.12-kw vis., 1.82-kw aur., 270' AAT.
Waterloo, IA--(ch 32 ETV) New, CP granted 3-1-73. 4375-kw max. & 912-kw hor. vis., 875-kw max. & 182-kw hor. aur., 1820' AAT.
Baton Rouge, LA--(ch 27) New, CP granted 3-1-73. 1230-kw vis., 245-kw aur., 930' AAT.

MODIFICATION OF CONSTRUCTION PERMITS GRANTED

Los Angeles, CA--(ch 58 ETV) KLCS granted mod. of CP 2-23-73 for 1906-kw max. & 550-kw hor. vis., 380-kw max. & 110-kw hor. aur., 2870' AAT.
Panama City, FL--(ch 13) WDTB granted mod. of CP for change to 224-kw vis., 44.7-kw aur., 1400' AAT.

MODIFICATION OF CONSTRUCTION PERMIT REQUESTED

Fredericksburg, VA--(ch 69) WHFV requests mod. of CP for 220.3-kw vis., 22.03-kw aur.

CONSTRUCTION PERMITS DISMISSED OR CANCELLED

Little Rock, AR--(ch 16) KMYO-TV.
 Lake Charles, LA--(Ch 29) KIKS-TV.
 Lincoln, NE--(ch 45) KALR.
 Texarkana, TX--(ch 17) KTAZ.

NEW CALL LETTERS ASSIGNED

Lima, OH--(ch 57 ETV) WQOL.
 Greensburg, PA--(ch 40) WQHO.

REQUESTS FOR CALL LETTERS

New Haven, CT--(ch 65 ETV) WEDY.
 Miami, FL--(ch 17 ETV) WSEC-TV requests WLRN-TV.
 Cleveland, OH--(ch 19) WCTF requests WZIN.
 El Paso, TX--(ch 4) KROD-TV requests KDBC-TV.

MODIFICATION OF LICENSE GRANTED

Tampa-St. Petersburg, FL--(ch 8) WFLA-TV granted mod. of license
 2-12-73 for 30.2-kw aur.

MISCELLANEOUS ACTIONS

Washington, DC--(ch 14) WFAN-TV. Initial decision proposes grant
 of renewal of license 2-22-73; also change to 1265-kw
 max. & 848-kw hor. vis., 253-kw max. & 163-kw hor. aur.,
 765' AAT.
 St. Cloud, MN--(ch 25 ETV) New application amended for change to
 496' AAT.

The FCC has approved Fay TV operation by WQTV (ch 68) Boston, MA,
 the second on-air pay TV grant. The other authorized operation is
 WBTB (ch 68) Newark, NJ. Five additional applications are now
 pending, including:

Corona, CA--(ch 52) KBSC.
 San Francisco, CA--(ch 26) KTSF-TV.
 (any information regarding the other three applications would be
 appreciated).

TV STATE OF THE INDUSTRY (AS OF 3-12-73)

Stations operating: Grand total: 927 (603 VHF; 324 UHF).
 Commercial: 696 (510 VHF; 186 UHF). ETV: 231 (93 VHF; 138 UHF).
 Permittees not yet on the air: Grand total: 79 (13 VHF; 66 UHF).
 Commercial: 62 (12 VHF; 50 UHF). ETV: 17 (1 VHF; 16 UHF).
 Applications pending for new stations: Grand total: 70 (33 VHF; 37 UHF).
 Commercial: 48 (28 VHF; 20 UHF). ETV: 22 (5 VHF; 17 UHF).
 Translator stations: Licensed: 2741 (1880 VHF; 861 UHF). Permittees:
 ----- 222 (124 VHF; 98 UHF). Applications: 81 (53 VHF; 28 UHF).-----

Japan has forecasted that nation's 1973 TV output at 13.6 million sets,
 down about 4% from 1972. Of the total, color is expected to level off
 at 8.4 million, while the remaining black and white production repre-
 sents a decline of about 600,000 sets. Sony, perhaps the best known
 Japanese manufacturer in the U. S. announced a flat \$20 retail increase
 on all color sets and a \$10 increase on certain compacts. While other
 Japanese manufacturers all agree there will soon be some increases due
 to revaluation, Sony is currently alone in increased pricing. Sony also
 has announced plans for their fourth foreign color TV plant (the others
 include San Diego, South Korea, and Brazil, plus marketing venture in
 France. A new five-million installation in England is scheduled to
 produce 5000 Trinitron sets per month beginning sometime in 1975.

73's

Don

FM news from Central America, Jamaica, and U. S. Armed Forces

First, this listing of the FM radio stations of Nicaragua in this the year of "hope and reconstruction," or Año de la Esperanza Y La Reconstrucción, following the December, 1972, earthquake. The letter from the Nicaraguan government said most of the stations function as links from studios to AM transmitters. In questioning why there are so many repeaters of the same station, Richard Wood theorized that they "might be directional beams of some kind, possibly one as a transmitter link and the other for listening." This may be especially true where stations in the same city are crowded close together on the dial. Call letters were not included in the government listing; these are extrapolated from the World Radio-TV Handbook, 1973, and the U. S. Foreign Broadcast Information Service (CIA) list, and may be erroneous.

All in Managua unless noted.

Unión Radio	88.1	50 w	YND-FM?	El Fabuloso Siete	96.5	60 w	YNSC-FM
Radio Titania (Chinandega)	88.5	30 w	YNG-FM	Estación Equis	96.9	30 w	YNX-FM
El Fabuloso Siete	89.1	60 w	YNSC-FM	Rediodifusora Nacional	97.1	10 w	YNM-FM
Radio Reloj de Nicaragua	89.9	15 w	YNOVZ-FM	Radio Corporacion	97.5	100 w	YNOW-FM
Radio Atenas (León)	90.06	15 w	YNWX-FM	Radio Mundial	97.9	30 w	YNYW-FM
Radio Mundial	90.1	30 w	YNYW-FM	Radio Cadena Musical	98.1	30 w	YNCM-FM
La Voz de la Victoria	90.3	15 w	YNOQ-FM	" " "	98.5	" "	" "
Ondas Populares (León)	90.5	15 w	YNSM-FM	" " "	98.7	" "	" "
Radio Circuito (León)	90.9	30 w	YNP-FM	Radio Quinientos Noventa	99.7	50 w	YNRD-FM
Radio Cuinientos Noventa	91.1	75 w	YNRD-FM	Radio Reloj de Nicaragua	100.1	15 w	YNOVZ-FM
Estación Equis	91.3	30 w	YNX-FM	Unión Radio	100.7	50 w	YND-FM?
Radio Cosiguina (Chinandega)	91.5	30 w	YNS-FM	Radio Corporacion	100.9	100 w	YNOW-FM
Radio Gueguence	91.7	10 w	YNAEC-FM	Radio Gueguence	101.3	10 w	YNAEC-FM
Radio Mundial	91.9	30 w	YNYW-FM	Radio Cosiguina (Chinandega)	101.5	30 w	YNS-FM
Radio Mil	92.3	30 w	YNTS-FM	Radio Continental	102.1	25 w	YNAV-FM
Radio Progreso (León)	92.5	15 w	YNCZ-FM	Unión Radio	102.5	50 w	YND-FM?
Radio Sensación	92.9	10 w	YNRN-FM	Radio Ondas de Luz	102.7	30 w	YNOL-FM
Radio Occidental (Chinandega)	93.1	30 w	YNCW-FM	Radio Uno	102.9	1000 w	YND-FM
Radio Darfo (León)	93.5	15 w	YNUW-FM	Radio Circuito (León)	103.5	30 w	YNP-FM
La Voz del Continente Americano	93.7	15 w	YNCN-FM	Radio Continental	104.7	1000 w	YNAV-FM
Radio Católica de Nicaragua	93.9	100 w	YNYRC-FM	Radio Ondas de Luz	105.5	50 w	YNOL-FM
Radio Ondas de Luz	94.3	30 w	YNOL-FM	Radio El Mundo	105.7	1000 w	YNSV-FM
Radio Uno	95.1	30 w	YNEF-FM	Radio Mil	105.9	100 w	YNTS-FM
Radio Rumbos (Rivas)	95.7	30 w	YNVF-FM	Radio Managua	106.5	10 w	YNYLU-FM
Estación Equis	95.9	30 w	YNX-FM	Radio Corporacion	106.7	1000 w	YNOW-FM
				Radio Tiempo	107.5	100 w	YNRN-FM

From the country of El Salvador came a singular contribution, which obviously ignores a lot of low-power links:

YST-FM Radio El Mundo 103.1 1000, altitude of antenna 60'. Transmits at times in §; at other times in high fidelity monaural. On 6 a.m. to 1 a.m. [In San Salvador, presumably.]

The U. S. Department of Defense listed the American Forces FM radio stations in North America. These outlets identify themselves as American Forces Radio (location) rather than use call letters as such, said my informant. AFR-FM outlets are:

Adak AL	101.1 §	250 w
Guantanamo Bay, Cuba	102.0	500 w
Ramey AFB, P. R.	90.5 §	15 w
Roosevelt Roads, P. R.	90.5	2000 w

Previous responses came from Panama (published in the February, 1973, VUD's FCC-FM column), and from the U. S. Canal Zone, which said there is no Canal Zone FM at present, but that they are planning such a service for their military audience in the future.

Travis AFB CA, to solve a mystery of last month, is 7 miles SSE of Vacaville. Now to find out where Coopers Hill and Half Way Tree are!

The history of FM continues to excite Mike Collins, Stratford CT, whose first FM set was purchased in December, 1957. Writes Mike: "My parents had to search all over Bridgeport CT, a city of 150,000, before they finally found a store that had an FM set. FM stations began to come on from that time on, and none in this area that were on in 1957 would ever go off (at least not permanently). Anyway, around 1960 I found an old newspaper from 1950 which had radio listings, and showed the dial settings for many FM stations in the area which I never knew existed. And then during the 1960s I began to investigate the history of these stations and FM in general in the back issues of

Two Jamaica sources responded. From Jamaica Broadcasting Corp. comes word their § stations operate 6 a.m. to midnight with variety programming; 75% music, embracing folk, rock, pop, country, blues, jazz and classics. JBC-FM § Stations:

Half Way Tree (main)	105.7	250 h, v;	200' above ground
Coopers Hill	91.1	8000 h, v;	200' " "
Spur Tree	103.3	800 h, v;	200' " "
Montego Bay	92.1	800 h, v;	120' " "

From Radio Jamaica Limited, there are two FM networks. "The monaural programme revolves around a combination of top 100 and MOR music with talks and discussions." Monaural slogan: "This is R.J.R." Stations:

Coopers Hill	94.7	1000 vertical only;	2500' above sea level
Spur Tree	90.5	1000 horizontal	3000' above s.l.
"The second programme in § carries middle of the road pop and classical music. Talk and discussion programmes are on a higher intellectual level. Broadcasts on both services are in English." Identifies as: "This is R.J.R. Stereo."			
Kingston	95.7	500 h, v;	500' above s. l.
Coopers Hill	92.7	10000 h, v;	2500' " "

Broadcasting and newspapers and a few other books." Mike then goes on to untangle the educational FM mess of Connecticut and Long Island (New York). He says WQAQ Hamden CT, which was recently granted, will be on *88.3 instead of the announced *88.7. WQAQ will then share time with WQTQ Hartford, another ten water, but thirty miles distant. In granting the construction permit to WQTQ, the FCC waived its minimum separation rule, since WQTQ will be within the primary [1 millivolt/meter] area of WPCR *88.5 Amherst MA. Mike also claims that WPOB Plainville and WSWZ both *88.5 and in nearby cities [WSWZ is in Syosset NY] will share time. I am checking with the FCC to determine whether these are, in fact, share time operations, and whether or not the new WRSU *89.1 New Brunswick NJ will also share time with WNYU New York and WFDU Teaneck NJ. New Haven *88.7 and West Haven *88.7 will also share time, it is believed.

Mike says that WFDU announces that it is operating 9 am-Midnight until WNYU is constructed; the announcement said WNYU is authorized to operate 4 pm to 1 am under the share-time agreement. "WFDU's transmitter is at Alpine NJ, and I note their height above average terrain is 500', which makes me wonder if they are using the old tower built by Major Armstrong for his WFMN 93.1 Alpine NJ, which went on as KE2XCC in April, 1938 as the world's first FM station. WFMN went off in early 1954 after Mr. Armstrong's death, but the huge tower was never torn down." [I have seen the tower from across the Hudson River while riding the New York Central passenger train to Syracuse, but question if the "WFMN" call letters were ever used. I know the Major (from whom I have a 1951 letter) resisted attempts to take away his historic experimental call letters.]

The FCC, Mike says, has been very lenient these days in granting short-spaced FM stations in the 88-92 mhz educational part of the band. For example, "it has waived and accepted for filing an application by a youth development group for 88.9 mhz (10 watts) to be located at Dix Hills (Queens) in New York City, right next to WNYU/WFBU on *89.1, not only within the 1 mv/m, but [in the case of WNYU] in the same city!" In other news, WRVR 106.7 New York is indeed \$ for all its jazz programming, WRGH 100.5 New Britain CT is now 20000 h,v; 720', and to Richard Steinberger, WLOV 99.9 Cranston RI went off in early 1962 when the FCC revoked its license for long periods of silence, falsifying its logs, etc. It began in 1959. WEDK *91.7 Springfield MA went off sometime between 1961 and 1963. The FCC has set hearings on the revocation of the license of WHBI 105.9 Newark NJ for a number of violations. And the Guilford CT board of education is still mulling over funding the construction of WGCT *90.5.

Another correspondent, Ron Kurtenbach, Lincoln NE, is working with a group to find an educational frequency in that city and start a listener-supported station, similar to KDNA 102.5 St. Louis (which itself is being sold, unless a listener's protest prevails). Speaking of the relaxing of technical standards (see previous paragraph), there's an interesting item in the Mar. 19 Broadcasting [p. 7], in which FCC Commissioner Robert E. Lee is reported to be recommending the establishment of more FM stations in outlying communities. "He notes that FM channels allocated to cities are now occupied and that present standards prevent locating new stations in suburbs. Question is whether standards are stricter than necessary with modern interference-rejection features in FM sets. Engineers will turn to FM project after completing similar UHF study."

Mike Dorner, Jr., Metairie LA, also supplied information on WEDK-WLOV, which is largely the same as Mike Collins', except that he pinned WLOV's revocation and actual going off the air as Nov. 1, 1961 and deletion as Jan. 30, 1963. Mike also sent thru a nice piece on KPBX *91.1 Spokane, a tiny radio station operated from a basement by blind people, including children, from 5 p. m. to midnight, and they hope to increase from 10 to 250 watts when they get the money.

Shelby Remington, West Haven CT, has been trying to contact his *88.7 locals and WGCT *90.5 Guilford, but to no avail, even though two of them are in the radio section of the New Haven yellow pages. He's planning an FM quad array, and is building the AJ-1510 (Heath) i.f. board to install in his Scott receiver for selectivity.

Dick Clark, Lighthouse Point, FL, reports his second Cuban FM station, Radio Rebelde on 107.5, which he believes to be in the Oriente area. "This station is on Es; short skip, which took me by surprise." WCOF-FM 95.9 Immokalee FL has not yet gone to the call letters WCEA. WTHS *91.3 Miami is now on at night, WTAI-FM 107.1 Melbourne FL is 24 hours no silent period, &; WFUZ 93.7 Ocala [former WMOP-FM] is \$, while WSPB-FM 106.3 Sarasota is now \$ and \$-hours.

WVCD 97.9 Hazleton PA told Bill Dickerman, Williamsport, that when it raises to 25000; 660', it will have "the most exceptional of all music on any AM or FM station heard in this particular area," and will be 100% separate from AM affiliate WAZL Stereo?

John Ebeling, Bloomington MN, supplied a nice list of upper midwest SCA stations (67 kHz), which will be published in the future, space permitting. John approached the radio-TV editor of the Minneapolis Star, Forrest Powers, and got them to improve the way they list FM stations and frequencies. They had been listing the 10watt KUCM *91.7 Crookston MN, thinking it was a Twin Cities station! The new WRAH 101.3 Richfield MN combines with AM WYOO on the hour for sports and news (in that order) and leads in with "YOO-RAH" sports. "Programming sounds automated on FM, top 40 as far as I'm concerned. Many of the IDs are of the singing type — hard to clearly understand with good signals, which will be very hard to catch under DX conditions on a weak signal." John reports KDHL-FM 95.9 Faribault MN is again \$ after a long period without it, and KLIZ-FM 95.7 Brainerd MN has also added \$.

Joseph Bahr, Hato Rey PR and owner of WVIS, Fredericksted, St. Croix, Virgin Is. (which has bilingual programming, English/Spanish; \$ Spanish music) sent detailed VI and PR program format information, which he summarizes with the statement: "As you will notice, most FMs in Puerto Rico play Latin American music mixed with middle of the road vocals, instrumentals and big bands in both English and Spanish."

WTCA-FM 94.3 Plymouth IN is now \$, MOR. In Wisconsin, WHAD *90.7 Delafield now breaks away from the Educational Radio Network for a Spanish language program 6:15 to 7 p. m. local time M-F; and for "Introduction to Literature" 7:30 Mondays and noon Saturdays. This is part of a new trend in which individual ECB transmitters will program separately from the rest of the network. WUOM *91.7 Ann Arbor is now with \$ at least occasionally, while WVGR *104.1 Grand Rapids has not recently been \$, although I have seen the \$ light on when tuned to them.

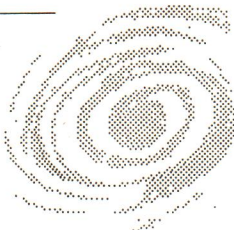
A Maine reader reports that WABI-FM 97.1 Bangor (changing call letters to WBCGW), is adding vertical and going country music. William L. Harper, Kuala Belait, Brunei, on the north coast of Borneo [who recently requested a sample copy of the VUD], reports that there is one FM station on Borneo Island in Kota Kinabalu, about 200 mi. away, which is receivable in Brunei "with a good antenna and booster mounted 50' high." Reception is said to be fair. Morrie Goldman sent a clipping saying: "In the 7 p.m. to midnight slot, WFMT 98.7 Chicago took six percent of the audience and now is more popular than either WGN [AM], WBBM-FM or WMAQ [AM] in its period. Is culture finally winning in Chicago?" WFMT, predominantly a classical music station, recently bought a large number of FM ATLASes for their internal use and distribution.

David L. Walcutt, Carbondale IL, supplied program format data on a number of stations in the midwest. Among the changes: WTAO 104.9 Murphysboro IL is rock and \$, WJBM-FM 104.1 Jerseyville IL is \$ and MOR; KJFF 106.9 Jefferson City MO is added to the Holiday Inn list of all night stations; WISU *89.7 Terre Haute IN and WKMS *91.3 Murray KY are now both \$; WSAB 94.9 Mount Carmel IL is classical; WDRM 102.1 Decatur AL is half country; half rock. WVFC 106.3 Benton IL is inactive. A correspondent in SC reports that WEPF *90.1 Greenville has 4-7 hours/day of classical music and \$, while WSCI *89.3 Charleston SC is expected on the air April 15, 1973, with the same format. A Fort Walton Beach correspondent claims his local WFTW-FM 99.3 is not \$, which was surprising, but that WCOA-FM 100.7, WBOP-FM 101.5, both Pensacola FL; WKRQ-FM 99.9 Mobile AL; WFTW-FM; WXBM 102.3 Milton FL; WAAZ 104.9 Crestview FL, all have vertical polarization.

In a public announcement, the Canadian Radio-Television Commission is discouraging new AM applications in southwestern Ontario. They say: "Because of the unavailability of satisfactory AM frequencies in this area, the Commission encourages FM licensees to give consideration to improvement of their coverage." Will CKOT-FM and CKTB-FM get the message? Toronto FM reception in Rochester NY is the subject of a clipping sent by Dr. Richard Wood, Baton Rouge LA. Next winter when stations begin broadcasting from "the world's tallest building, the Canadian National Tower," Rochester people should be able to receive CBL-FM 94.1 and CHUM-FM 104.5, in addition to the two they can now receive: CHPT 98.1 and CKFM 99.9 (the latter will be strengthened when they, too, move to the tower, the article says). Richard passes on the word that WBLX 92.9 Mobile, anxious to get on the air but unable to because of delays in getting the proper antenna, may borrow WKXI Jackson's two bay antenna and come on very soon with temporary low power. WCKW 92.3 LaPlace LA has gone 24 hours, country days, rock nights.

Bruce Rummel, Fleetwood PA, reports that WEZV 95.1 Bethlehem PA is awaiting a new antenna and then will begin broadcasting easy listening music in \$, and WVIA-FM *89.9 has not yet supplanted WUSV Scranton; no signals therefrom yet. Bill Grant reports that it's WFBQ 94.7 Indianapolis replacing WFBM-FM [not WFMQ as erroneously reported last mo.]. Still more, but that's all the squeezing I can do in four pages. See you next month! 12

Your attention, please!





Unique guide gives facts on stereo, dual polarization, coverages, programming of 3100 FM stations. For travel, home or office use. \$2.50. FM ATLAS. Dept. W. Adolph, Minn. 55701.

DX-TV

The illustrated booklet, "Long Distance Television" by Roger W. Bunney is again available, covering all aspects of the DX-TV hobby. Contents include: World-wide channel allocation charts, signal propagation, receiver requirements with basic modification details, serials and preamplifiers, "off-screen" photography, station identification, test cards, etc.

The publication, costing 50¢ (including surface postage world-wide) is available from:

WESTON PUBLISHING
33 Cherville Street, Romsey,
Hants SO5 0PB

free

WORLD DX FRIENDSHIP YEAR

73

RADIO NEDERLAND

write Radio Nederland, Box 222, Hilversum, Holland, GH



YET TEXAS HAS 79 TIMES AS MANY FM STATIONS! The mathematically inclined will conclude that GREENLAND HAS 2 FM STATIONS, since Texas' total is not infinitely greater. And THE GREENLAND STATIONS ARE WITHIN 1500 MILES OF Quebec, the Maritimes, and Maine. So they are Es and MS possibilities, and Aurora might extend the range. At least be aware of GRONLANDS RADIOFONI, Godthåb, 250w on 97.2 MHz, and Frederikshåb, 50w on 96.25 MHz. Schedule (GST +3h): Mon-Sat 0715-0840, Mon-Fri 1200-1330, Mon/Wed/Fri 1730-2305, Tue/Thu 1630-2305, Sat 1200-1400, 1630-2430, Sun 0830-0935, 1200-2305. If you don't catch the Greenlandic ID ("Kalãdlit-nunãta rãdiva"), try the equally difficult ID method of parallelling one of the shortwave frequencies: 3999, 5960, 5980, 9575, 9655 or 11745 kHz. (Data from World Radio-TV Handbook, 1973) GH

V A F I (A recap of what it means and how it's used.)

<i>Video (V)</i>	<i>Audio (A)</i>	<i>Fading (F)</i>	<i>Interference (I)</i>
No signal 0	No signal 0	Auroral flutter 0	Loss of signal 0
Just detectable 1	Just detectable 1	Deep to fast 1	Extreme 1
Heavy snow 2	Poor 2	Slow deep 2	Heavy 2
Moderate snow 3	Fair 3	Moderate 3	Moderate 3
Light snow 4	Good 4	Light 4	Light 4
Snow free 5	Excellent 5	None 5	None 5

VAFI is a system for detailed reporting of signal quality in a minimum of space. A typical DX column VAFI report would be similar to the following: 4334N540. The first four numbers read directly off the chart above. "N" indicates the station is a new logging. "R" for relog and "T" for tentative are alternates. The last numbers indicate mileage from DXer to DX station.

TECHNI- CORNER

Conducted by:

David T. Janowiak
3661 South 46 Street
Greenfield, Wisc.
53220

APRIL: THE START OF MANY THINGS

By the time this is read, April will be in full swing: warming winds, much rain, birds return, baseball, winter's damages to the house, and of course an upswing in DX. Let's look at what April means to the beginning and veteran DXer.

Beginning DXer - For the novice, this is indeed the start of a fascinating time. TV E-skip begins — slowly at first — perhaps in early April for southerners, and spreads to the north by about April 20. Nothing spectacular, usually just channel 2 and 3.

By early May, we should be blest with multi-hour openings clear up through channel 6 and perhaps into FM. Locals are created by the strong skippers, with fast fading signals. Multiple E-cloud openings create the familiar pattern of DX "shifting" westward, then perhaps swinging back to the east. Midwest DXers watch Florida spread into Louisiana, then Texas. Or, maybe Texas stations visit for several hours.

Newcomers will watch station totals climb rapidly. DXing homeowners will have to find yet another excuse to abandon the "job jar" tasks, for darn if some of those good E'skip openings don't start around 1800 and continue right past dark! Mama will think you're crazy, but don't let her pester you at ID time. Students will cut cramming time and hope they can dig up a good gouge for that upcoming exam. You see, DX has that attraction.

Of course, E'skip isn't the only form of DX that improves: there are tropes and meteor scatter. In fact, southerners should already have sat through a few of the fabled Gulf tropes sessions. With even modest equipment, excellent signals have been received up to 1000 miles during these times. In the north, daily early morning/late evening tropes starts extending out to greater distances, especially on high band and UHF. The average DXer's potential grows by leaps and bounds. Yes, it's a great time for the beginner to find out what it's all about.

Veteran DXer - The veteran TV DXer is less thrilled by E-skip, for he has logged most of the channel 2 to 6 stuff anyway, except for those few "holes" that remain.

But April appeals to the veteran because of tropes and meteor scatter, the challenging forms of DX. While the really good ducting is several months away for Midwesterners, a few good spring duct openings are common. From letters received here lately, more and more DXers have armed themselves with better antenna systems in quest of that weak, elusive tropes and M's. Preamps are ready also. For those who completed their new systems late in 1972, this time is exciting as they have their system ready right from the start of the DX season: April.

SPEAKING OF WEATHER

The nation has indeed had strange weather this winter. Those dadgum jet streams, which produce the principle air mass movements and, therefore, storm tracks across the U.S., just didn't follow the normal pattern.

A tropical jet stream that seldom affects northern hemisphere weather edged much farther north this winter, keeping the traditionally dominant polar air masses primarily in Canada. Unfortunately, storm tracks in the South associated with this movement brought horrendous weather in the southern U.S. as counterclockwise air movement drew cool air behind from the north. The result was snow and ice seen for the first time by some of our warm-weather friends. Disgruntled northerners vacationing the snowy south returned to warm, snow-free conditions back north! For these same storm tracks brought warm, southern air movement ahead up into the Midwest and East, and at worst caused much rain but no snow. Milwaukee, for example, had 0.2 inches of snow in January, instead of the 12 to 14" average.

DX wise, the normal winter polar highs with their fast movement and extremely high pressures often gave way to slower, lower pressure summer type highs, allowing ducts in the Midwest on several occasions. Tropes bending often occurred along Seybold's trench (Great Lakes), with Wisconsinites logging PA and NY.

I know too little about weather to predict what this means for the spring/summer season. However, after the horrible tropes condition of spring and summer in 1972, I don't think I'm overly optimistic if I hope the warm — and radio waves in the troposphere — continue the turn for the better.

WESTERN FM DX

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

DX FROM THE LAND OF BEGINNING AGAIN

Glenn Hauser, Box 62, Von Army, Texas 78073

Feb 8 - Mar 7, 1973 (CST)

An outstanding DX month, quite unusual for February, pushing my station total past 600: single Florida Es opening provided 16 new stations for a total of 66 from that state; the muf passed 107.9. Of the 604 total, 376 were by Es, 253 by tropo, 38 by MS, and 63 were duplicated (2 or 3 propagations). Political division totals: by Es, 31 states plus DC, 1 province, 8 estados, 5 other countries; by tropo, 14 states; by MS, 18 states, 1 estado; duplications, 17 states, 1 estado. New catches are underscored; those by a new propagation are semi-underscored.

Feb 8: C102, MS, 88.9 XHM "Oasis," Mexico DF, (685 mi) Spanish, ant S; no other possibility, organ mx as on old time radio.

Feb 9: 1808, Es, CCI, ant NE organ mx as on old time radio... 1815 89.7 WDYN Chattanooga TN, (875 mi), E-NE Bible talk... 1815 88.9 WKES Chattanooga TN "First on your dial," 1819 hymn... 1817 91.9, WUOT? Knoxville TN ? cl piano mx; 1820 91.9 WSMC? Collegedale TN ? cl choral mx o/KUT... 1848 90.1 WABE? Atlanta GA? mx CCI to KPFT; Atlanta on TV... 1848 88.5 WRAS? Atlanta GA? mx briefly... 1903 88.9 KBYU- Provo UT (1055 mi) "All Things Considered," delayed; 1904, 1912 //90.1, strong... 1904 90.1 KUER Salt Lake City UT (1080 mi) //88.9, again 1912... 1905 94.1 KALL- Salt Lake City strong, 1919 MST, Milton Cross ad; CCI, "Kall-FM 94, § Salt Lake." ... 1905 92.38 KGRE? Greeley CO? EL choral NW, 1913 gone; Denver on TV... 1916 98.7 KCPX? Salt Lake City? CCI to KTXN NW... 1922 91.5 KMCR Phoenix AZ (835 mi) weak, scatter YL talk, CCI; 1928 rec credit w/ID, Mariposa County Community College District; 1934 still, scatter, dominating KUNC; 1954 still (sounds like diurnal E scatter from Singapore in Thailand); 2012 jazz, maybe KJSC by now; new call ex-KFGA...

more Feb 9: 1928 91.5 KUNC- Fort Collins CO (860 mi) "Public Radio for NE CO" A-C mix KMCR CCI to KNFM NW; Utah gone at 1933... 2033 92.3 KFAC- Los Angeles CA (1190 mi) cl mx NW; 2044 cl piano mx; 2057 Fortune ad; 2114 cl mx... 2033 91.5 KUSC- Los Angeles CA NPR; 2039 f/in rock, before lower LAs; 2056 abc interview, 2101; still 2114... 2033 91.9 KVCR- San Bernardino CA (1140 mi) Advocates... 2033 90.7 KPFK Los Angeles nx by local; 2041 phone report from Pacifica-Sacramento; 2057 ID in passing, pgm sked; 2113 still; 2124 interview... 2034 89.9 KCRW Santa Monica CA (1205 mi) jazz; 2114 pop... 2034 89.7 KNHS? Torrance CA? talk about Stockholm Conference... 2044 93.7 KVIM Coachella CA (1070 mi) SS mx, ad in SS, "En su estacion Mexico-Tejanita..." 15:17 TC... 2047 93.58s KSOM? Ontario CA? EL... 2047 90.3 XHIS? Tijuana BCN? folk mx (KSYM off all evening)... 2048 88.1 KLON Long Beach CA (1180 mi) talk abt R-TV Workshop Course; soon out w/all other FMs, But 2122 Long Beach sports... 2102 89.3 KPCC Pasadena CA (1185 mi) soul mx, in & out, 2107, 2110, 2113 folk... 2113 88.9 KXLU Los Angeles (1190 mi) cl mx, 2124; 2114 89.7 KLUU Riverside CA (1145 mi) religious choral mx... 2124 88.5 KEDC Northridge CA (1210 mi) cl mx... 2353 92.1 KOWN- Escondido CA (1115 mi) EL, YL local, no 92.3; 2355 end "New Sound," marine show for Pendleton, tape snag, ID... 2358 by Es and MS, 91.5 XHJE? Mexicali BCN? Mex mx, 2359 CCI KJSC; 0004 no ID at break, quite strong o/KJSC even when KPFK in weakly; 0008 lots of rumble; 0020 traces, 0033 same by MS... 2559, Es & MS, KJSC Los Angeles CCI XHJE recommending TV shows on chs 40, 7, 2, ID, oldies.

Feb 19: 0002, 90.7 KPFK Los Angeles, NW, folk mx, ID... 0007 93.3 KECR? El Cajon CA? ant NW, rock... 0013 92.3 KFAC- Los Angeles, "Dying Swan" cl mx... 0015 91.9 KVCR San Bernardino CA (1140 mi) light cl mx; rather late Es opening!... 1204 92.3 KVEG- Las Vegas NV (1065 mi) Ai nx; 1213 "the new KVEG AM & FM," 1236 fading a bit; 1243 out... 1207 95.5 KILA Henderson NV (1050 mi) prayer; 1206 94.1 KLVM Henderson NV (1050 mi) EL; 1216 local ads, Valley Bank, KLVN mx; 1236 fade a bit, 1243 out... 1208 98.5 KLUJ- Las Vegas NV (1065 mi) C&W, 1212 NV nx... 1209 97.1 KURK- Las Vegas NV, LU; 1230 "All music All the Time," immediately followed by ID, ad, 1236 fade, 1243 out... 1213 KVMM- 93.5 Show Low AZ (745 mi) ID... 1241 KALJ 95.1 Yuma AZ (970 mi) trace, wk mx, 1302 NWS Yuma wx... 1244 90.7 KPFK Los Angeles (1190 mi) Scilian mx, 1253 bagpipes, 1306 ID... 1254 KFAC- 92.3 Los Angeles cl mx; 1256 Concert Stage, ID, Safeway nx by local... 1300 93.3 KECR? El Cajon CA? nx by local... 1301 KPFG 96.3 Los Angeles, "More Heavenly Music..."... 1305 94.9 KLRO? San Diego CA? Paul Harvey

Feb 19 - cont. 1309, 93.5 KSOM? Ontario CA? big band vocal mx; 1314 94.1 KFSD- San Diego CA, 1115 mi, jazz; 1319 SD talk... 1315 90.3 XHIS- Tijuana BGN (1105 mi) weak rock; 1316 armt "...from H-I-S"... 1322 88.8 TGRT- "Fabulosa," Guatemala (1130 mi) usual high modulation, adstring, marimba background mx, sports nx, 1335 out... 1852 91.5 WPRK Winter Park FL (1045 mi) talk traces abt Israel Air Tournament; 1858 International Almanac oon WPRK, then s/off... 4 hr classical broadcast for today, till 9 pm when student program begins; gave complete ID, power, 330 watts... 1854 91.7 WHRS- Boynton Beach FL (1155 mi) scattery cl mx, 1956 cl mx; 2009 Guat mx; 2002 Edmundo Ros OAS taped pgm; 2028 NATO PSA, ID "WHRS your NPR Service..." 1855 91.1 WFAM Jacksonville FL (1020 mi) rock; 89.9 WJCT- Jacksonville, cl mx... 1855 89.7 WUSF Tampa FL (990 mi) interview in "All Things Considered," 1900 drug PSA ID... 1855 92.3 WDBO- Orlando FL (1065 mi) strong! EL... 1856 94.5 WDNJ? Daytona Beach FL? CCI w/KLEF... 1856 95.3 WTLN Apopka FL (1035 mi) Ac nx... 1902 93.3 WFLA- Tampa FL, ad... 1905 94.1 WVFM Lakeland FL (1015 mi) EL... 1905 94.9 WLCY- Largo FL (965 mi) Hit Parade; 1955 extreme \$... 1906 95.7 WTAN? Clearwater FL? EL... 1907 96.5 WHOO? Orlando FL? EL... 1908 98.3 WRMP- Titusville FL (1080 mi) C&W "Big 1060 Radio Brevard, Space Coast Radio," jingle... 1909 98.7 WARR? Fort Pierce FL? EL CCI w/KTXN... 1911 101.1 WCKS Cocoa Beach FL (1085 mi) upbeat mx; 1929 nx heads; 1934 wx for Cape Canaveral, 51°... 1912 101.5 WGNB St Petersburg FL (980 mi) hymns... 1912 102.3 WYRL Melbourne FL (1095 mi) first 102.3 logging here due to 101.9, 102.7 locals; C&W; 1917 Middleton Fish Camp on Blue Cypress Lake ad 1935 C&W; 1942 ID "Nashville Sound"... 1913 105.1 WWQS Orlando FL (1045 mi) old favorites; 1915 local church notices... 1913 105.5 WGUL- New Port Richey FL (970 mi) arsenic interview; 1919 CCI; 1945 "Serving Sun Coast People"; Tarpon Springs ad... 1914 WIRK- 107.9 West Palm Beach FL (1150 mi) car ad; 1928 rock.

more Feb 19: 1914 WLBB- 106.7 Leesburg FL (1010 mi) EL; 1920 CCI to WFTL... 1915 WDLF 105.9 DeLand FL (1045 mi) DeLand Dodge ad... 1916 WPBA- 107.1 Palm Bay, FL (1100 mi) rock; 1928 nx; 1939 automation; 1947 Melbourne ad... 1917 WRKT- 104.1 Cocoa Beach FL (1085 mi) rock; 1931 ID, Jaycee PSA... 1918 WDUV 103.3 Bradenton FL (985 mi) EL, 1940 EL; no other possibilities... 1919 WSEB- 105.5 Sebring FL (1055 mi) Sebring Venice Contest (great for radio!); CCI; 1948 FM weakens a bit... 1925 WFTL- 106.7 Fort Lauderdale FL (1155 mi) local ad; CCI Leesburg... 1925 WWOX 99.9 Boca Raton FL (1150 mi) Coral Key ad; 1951 philosophical lecture; 1926 WEZY- 99.3 Cocoa FL (1080 mi) "Weezy" ID in passing; 1952 96.9 un-ID, \$ EL, either Fort Meyers or Jacksonville... 1953 WRYZ- 96.7 Jupiter FL (1145 mi) Community Calednar addr, "Good Music" jingle; barely audible... 1954 WOVV 95.5 Fort Pierce FL (1120 mi) "Solid Gold" --format checks; no others known... 1957 WGYL 93.5 Vero Beach FL (1115 mi), \$ EL; 2000 KFC ad by YL, "New Dimension" FL, nx; WFLA ACI-93.5... 1958 WMYQ 96.3 Miami FL (1155 mi) rock; 2017 Chevron-Standard ad, jingle ID... 1959 WTAN- 95.7 Clearwater FL (965 mi) ID, Airports ad... 2002 WTHS- 91.3 Miami FL (1155 mi) CCI w/WNCT; 2009 mono pgm of Irish mx and interviews; 2039, still; 2046 losing out to KNCT as final station in opening... 2002 93.5 WSWN Belle Glade FL (1115 mi) Mut nx; 2004 end, "for all the Glades, WSWN..." wx; claims \$ but unounds so in mx... 2004 WSMW 94.3 Riviera Beach FL (1145 mi) rock; only one in S FL... 2007 WSOR 95.3 Fort Meyers FL (1045 mi) very 1-fi cl mx; 2033 joke about rainbow as ad... 2012 WBUS Miami FL 93.9 (1160 mi) rock CCI to KSIX; 2023 nx w/sides, lite items, mx under, acupuncture in FL, "The Magic Bus" ID... 2014 W--- 92.1 Hialeah FL (1155 mi) EL CCI w/KNBT (I have WQXX as new call--ed)... 2025 WTMI- 93.1 Miami FL (1155 mi) i/v at concert about Beethoven cadenze, briefly holding v. KITY-92.9, ID in passing...

still more Feb 19: 2031 WALJ 93.5 Naples FL (1050 mi) Ae nx per previous logging; 2039 C&W, 2040 USAF PSA... 2033 WOCN- 94.9 Miami Beach FL, EL... 2034 94.5 WNFM? Naples FL? --uobeat mx; 2035 101.5 WLYP? Miami FL? EL... 2036 105.1 WYOR? Coral Gables FL? EL; 2037 103.3 WDUV? Bradenton FL? sermon; 2042 89.7 WMCQ? Miami FL? weak, organ hymns...

Feb 26: 1529, tropo 89.7 KGCC Denison TX (335 mi), duct, ID, Grayson County College; 1536 gone... 1952 KBDM 94.9 Roswell NM (400 mi) auto C&W NW; 2000 ID, "100,000 watt FM \$" ... 2206 KOCV 91.3 Odessa TX (285 mi) discussion on trials; 2307 ID, 2400 off...

Feb 27: 0018 KLLL- 96.3 Lubbock TX (345 mi) local ad... 0850 KLDG 95.7 Hobbs NM (355 mi) x, sports; poor mod; not hrd last nite 2307... 0859 KTQM- 99.9 Clvois NM (445 mi), hick humor duo; hvy fog; only ID as "KWKA Clear Channel," CBS nx... 0900 KMTY 99.1 Clvois NM local ad, much better than 99.9; "Golden Country, KMTY, 99.1 \$" Mutual nx...

Feb 28: 1525 XHRL- 98.1 Monterrey NL "La Chica Musical," (265 mi) listed call, never anncd; 20 kw; ug mx, fade outs

Mar 1: 0059 WTAW- 92.1 Bryan TX (165 mi) s/off w/jazzed up "Zarathustra"; ID as College Station-Bryan TX, but xmtr in Bryan; 0102 OC and off.

April 1973

Mar 2: 0931 KCAW- 93.3 Port Arthur TX (290 mi) AM & FM wx; 0947 bingo (I thought that this comprised a lottery, and was against the FCC Rules! -ed.)... 0936 KAYD 97.5 Beaumont TX (275 mi) EL east in KEZ SB; 1000 local nx... 0955 KLVG- 104.9 LaGrange TX (115 mi) TSN nx; 0959 local PSA, AM & FM ID, wx... 2144 XET- 94.1 Monterrey NL (265 mi) cl mx, ID; nightly cultural; "Estereo 94"; 2200 ID end pgm Concierto... 2211 XHQQ- 93.2 Monterrey NL, EL, 2213 XEH jingle; 2216 XHRL- 98.1 Monterrey NL "La Chica Musical" ID like XEBS; 0048 down but still in as only Monty; 0215 still, 0900... 2247 XHSRO- 92.5 Monterrey NL, "Stereoey" ID; 2248 ad for Winn's Restaurant IN SS at airport.

Canadian Radio-Television
CommissionConseil de la Radio-Télévision
Canadienne

J. JOEL ROSENBERG & MARK L. LEWIS
47 PANNAHILL RD 224 HONITON ST
DOWNSVIEW, ONTARIO
633-1769 -416- 635-0086

NORTH OF THE BORDER:

FOR NEWS IN CANADIAN BROADCASTING

MARCH "73"

TV APPROVALS

CHARLOTTETOWN, FEI CBCT ch 13# Free; 38.6/19.3 kw EHAAT 771d Prop; 62/12.4 kw 918d
ST. MARY'S, NFLD ch 10- .67/.13 kw EHAAT 382 dir Sat CBNT St John's (CBC)
CHAPEAU, PQ ch 11 .55/.06 kw dir Sat CBOFT Ottawa, ONT (R-C)
HIGH LEVEL, ALTA ch 8 .468 kw dir Sat CBXAT-3 Manning (CBC)
FORT VERMILION, ALTA ch 11 .277 kw dir Sat ch 8 High Level (CBC)

TV APPLICATIONS

GRAND BANK, NFLD CJOX-TV-1 Pres; ch 10 5 w. Props ch 2 7.4/.74 kw EHAAT 499d (CTV)
STEPHENVILLE, NFLD ch 4 .807/.091 kw EHAAT 437 omni Sat CJON-TV St John's (CTV)
RED ROCKS, NFLD ch 11 .4/.04 kw EHAAT 433 dir Sat CJON-TV St John's (CTV)
LABRADOR CITY, NFLD ch 9 .214/.043 kw dir Sat CBST Sept-Isles, PQ (R-C)
SCHEFFERVILLE, PQ ch 7 .0376/.004 kw dir Sat CBC (ENG) via ANIK comsat
LABRADOR CITY, NFLD CJOJL-TV ch 13 .214/.043 kw dir purchase by CBC, become
Sat of CBC (ENG) via ANIK
SCHEFFERVILLE, PQ CPKL-TV ch 11 .0376/.004 kw dir purchase by CBC, become
Sat of CBST Sept-Isles (R-C)

TIDBITS

Note new abbreviation: 'CBG' refers solely to ENG net and 'R-0' to RADIO-CANADA
(French name for CBC), THE CBC FR net.
Hope you all caught TVG feature in FEB 10 issue on CITY-TV & 'Baby Blue Movies' !!
NOTICE to SKIP-WATCHERS: On air to DX-
ch 4# BRANDON, MAN CJAY-TV-2 55 kw EHAAT 1200d Sat CJAY-7 Winnipeg (CTV)
ch 5 SYDNEY, NS OBIT (CBC) ... so ch 4 Sydney CJCB-TV is CTV-Atlantic TV net.
CKQN-FM in NWT took air Feb 15. It broadcasts in Eskimo 80% of its 4 hr day.
Stn manager-operator borrows records in addition to the 5 stn owns. CBC supply tapes.
As of Feb 20, CBLFT-25 Toronto hasn't tested. Due on Mar 4 with programs.
Lots of DOWN EAST info from Jeremy Forster Valdes of Wolfville, NS--he's seen
new OBIT ch 5 from Sydney & a few new repeaters. He sent along sign-on info in detail
& "TVG" for all Maritime stns...so for any DD problems, contact him or us. Thx Jer.
Keep those cards & letters coming. 73s, good DXing this spring!

[Non-English BY Continued]

In international SWBC, PP is the #4 language after EE, FF and SS; ahead of GG, KK and CC. You can hear it all day from Portugal, during daylight on 21495 and 21700 kHz. Evenings, Lisbon is on 6025, 11940 and 11935 kHz, partly in PP, and the EE broadcasts there feature PP lessons at certain seasons (write for a text to accompany them). The CBC in PP to Brazil from Montreal has a fine half-hour at 6:30 p.m. EST on 9625, 11945 and 15190 kHz. Then there's the VoW 5 - 6 am. EST on 9520, 11730, and 15195 kHz; 6 - 8 pm. EST on 11955, 15180 and 17705 kHz. WGCY 97.3 New Bedford MA heads the list of New England PP stations. REW

WESTERN TV DX

Dennis Park Smith
1200 W. Sacramento Ave, #15
Chico, California 95926
Telephone 916 343-3863
Deadlines: 12th of each month

April 1973

Not very many reported this time, though those that did caught some good things. Again, though, it may be that conditions were limited to the southlands. Tropo was above average for several days into south Texas monitoring posts in late February and early March. There was some MS here and there, especially after DXers repaired or replaced gear (take note). Southern locations again report lots of Es in February (there has been lots of south-US Es this winter), with lots of high-MUF skip on 3-10 Feb, then nothing until 17th, starting good, then levelling off to lower-MUF into early March. Most openings, as usual, have been in evenings, with a few in morning and early afternoon. There may have been F2 skip on ch. 2 on 21, 23, 25 Feb. as noted by Glenn Hauser; at least, the skip displayed some F2 characteristics.

Es dates:	Feb	3	4	5	6	7	8	9	10	17	18	19	21	22	23	24	25	26	Mar	3	7
# reporters:		3	2	2	2	3	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1
MUF at least:		91.3	2	4	90.7	98.6	4	98.7	4	2	92.3	107.9	2	2	2	4	3	2		5	2

A letter and tape is the first report from

Airman John M. Kuschill FR 470-56-9161, FSC Box 1166 Transportation Squadron, Malmstrom Air Force Base, Montana 59402. (John is amateur radio WB0DSA/7.)

The tape is a concise resume of his past DXing at his home at Box 93 route 2, Maple Plain, Minnesota 55359, with a 23" RCA color receiver with rabbit ears on the main floor. Maple Plain, approx. 1000 population, is about 20 miles west of Minneapolis. The tape includes these Es and tropo catches from 1971-1972.

KWGN- 2 Denver CO	KID - 3 Idaho Falls ID	WFIL- 6 Philadelphia PA
WESH- 2 Daytona Beach FL	KGLO- 3 Mason City IA	WDSU- 6 New Orleans LA
WBRZ 2 Baton Rouge LA	KATC 3 Lafayette LA	KCMT 7 Alexandria MN
WMAR- 2 Baltimore MD	KDAL- 3 Duluth MN	KETV 7 Omaha NE
WFMY- 2 Greensboro NC	KRTV 3 Great Falls MT	WKBT 8 La Crosse WI
KTEW 2 Tulsa OK	WWAY- 3 Wilmington NC	KROC-10 Rochester MN
WUSN- 2 Charleston SC	KDLO- 3 Watertown SD	WDIC-10 Duluth MN
WCBD 2 Charleston SC	KFDX- 3 Wichita Falls TX	KWCM-10 Appleton MN
KPRC- 2 Houston TX	WTAR- 3 Norfolk VA	KELO-11 Sioux Falls SD
KUTV 2 Salt Lake City UT	KTIV 4 Sioux City IA	KEYC-12 Mankato MN
WKAB 2 Ackerman MS	WOI - 5 Ames IA	KNMT 12 Walker MN
XEPM- 2 Ciudad Juarez Chih	KAUS- 6 Austin MN	WIRT 13 Hibbing MN
WTIG- 3 Hartford CT	WDSM- 6 Superior WI	KSOC-13 Sioux Falls SD

Joseph A. Markewicz, 1394 Elgin Ave. West, Winnipeg, Manitoba R3E 1B6 (Dec-Feb) (CST)

D5 Es 1500 unId 2 South? (CB skip FL etc) (14)(tr) 1030 CJAY2-4 Brandon Man 120
17 Es 1100 unId 2 Midwest? 1030 CBWT2-4 LdB Man 60
J18 tr late eve, weak, nothing new seen 1045 KXJB- 4 Valley City ND 200
F12 tr 1700 unId 2 Low front moved in from (very good for this time of year)

Montana early in morning covering the 21 Es 1730 unId 2
extreme SW portion of Man to Winnipeg 22 Es 1600 unId 2

14 tr 0930 CBWGT 10 Fisher Branch Man 100 25 Es 1300 KTEW 2 Tulsa OK ? T

Apparently CKX-5 is not yet operating from joint CJAY/CKX tower as planned. A friend at Brandon said CJAY-4 transmits from new tower while CKX still operates from their old tower which explains CJAY's better reception than CKX in Des Lacs. If you have noticed a station on ch. 11 that shouldn't be there, it's because CKX-11 Birtle picks up programs directly from CKX-5 from their large tower near the town. It is known that people here can watch the KFYR-5 late movie on ch. 11 after CKX-11 signs off with CKX-5 because it seems the ch-11 station doesn't turn off their xmtr. Also, this guy says that CKX-9 tower was built at the bottom of a valley and listeners just 20 miles from ch. 9 don't even bother with it but tune to ch 5 instead.

Leslie J. Frus, 1615 Pierre, Manhattan, Kansas 66502 (1 Nov - 28 Feb) (CST)

N1 MS 0430-0600 4 unids east	17 Es 1630 WRC - 4 Washington DC
28 MS 0500-0605 4 unids east	1635 KYW - 3 Phila. PA (1cl movie)
D14 MS 0030-0100 6 unids east	1640 WTAR- 3 Norfolk VA ? T
Es 1722 WSAV- 3 Savannah GA 3335 1000	1715 KQVR- 3 Barrie Ont ? T
1725 WJXT 3 Jacksonville FL 1030	CBOT 4 Ottawa Ont (to 140T)

(1cl EyewitnessNxD, CBSNx)

Dec72 rotor repaired; 24Feb tuner replaced.

Both faded btw 1730&1755 recheck; Es F25 MS 0533 WBBM- 2 Chicago IL (1cl CBS F)

prob. assoc.w/hvyTstorms central-eastUS, 0557 WESH- 2 Daytona Beach FL

16 MS 0600-0630 4 unids northeast

(3/4CB-Id:white on black lower right)

(25)(MS) 0620 WSB - 2 Atlanta GA
 (white on black lower right as illus.)
 0622 WFBZ 2 Baton Rouge (3/4 CB: id large
 logo supered over CBS as illus. right:)
 I finally replaced broken VHF tuner in
 Sears 9" portable, giving me full VHF
 capability again.



CATV still presents an interference problem, and ch. 2 (originally empty) now
 originates local CATV programs, photos during day, Kansas State University at night.
 I'm going to work on random MS this and next month, and hope to log some of those
 400-800 milers which are too far for normal tropo and too near for Es. Best of DX.
 (Thanks for copies of your recent TV-CCI maps, Les. dps)

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

Receiver: Fenncrest 9-inch 1971 model black-and-white
 Antennas: Archer VHF V-100; 8-bay UHF bow-tie at 12 feet (down 18-28 Feb)

10 Es 1710	2,3 unids	(26)tr 2200	KBIN-10	Roswell NM (state#35)	N 440
1840-1900	2,4 unids	2208	KOSA-	7 Odessa TX	275
2140-2225	2-4 unids	2230	KCED-11	Lubbock TX	350
12 tr 2106	KTVT 11 Fort Worth TX	240	2235	KSWs- 8	Roswell NM N 440
	KEFA-13 Dallas TX	250	27 tr 0027	KLBK-13	Lubbock TX 350
	2140 WFAA- 8 Dallas TX	250	0037	KAVL- 6	Carlsbad NM N 385
13 tr 0029	KDFW- 4 Dallas TX	250		(unIds 7,8)	
17 Es 1930	unId 2 Mexico/El Salvador		0658	KCSA- 7	Odessa TX 275
18 Es 1835	KDIX- 2 Dickinson ND 1225			KCED-11	Lubbock TX 350
	1845 KDLO- 3 Watertown SD 1085			2300 unids	4-11
	2030 KWGN 2 Denver CO 800	28 tr 1029	WFAA- 8	Dallas TX	250
	2230 KORK- 3 Las Vegas NV 1070	M2 tr 0930	KVHL 26	Houston TX	185
	-0000 unIds 2,3		0955	KHTV 39	Houston TX 185
19 Es 0000-0020	2,3 unIds		0959	KFDN- 6	Beaumont TX 270
	0040-0105 2-4 unids		1059	KATC 3	Lafayette LA 400
	1030 unId 2		2200	KLNI 15	Lafayette LA ? T 400
	1130 unIds 2-5		2215	WRBT 33	Baton Rouge LA 450
	1154 KOAI 2 Flagstaff AZ 850		2220	XEPB- 3	Monterrey NL Mexico 275
	1159 KORK- 3 Las Vegas NV 1070			XET - 6	Monterrey NL ? T
	(MUF to 98.5)			XHX -10	Monterrey NL ? T
	1317 XETV 6 Tijuana BCN Mexico 1015	3 tr 0000	KVRL 26	Houston TX	185
	-1350 unIds 2,4 Spanish			(earlier @ CCI maybe New Orleans)	
	1815 WCBD- 2 Charleston SC 1115	0037	WFAA- 8	Dallas TX	250
	1830 WESH- 2 Daytona Beach FL 1055	0129	KFLC- 7	Lake Charles LA	325
	1847 WDBO- 6 Orlando FL 1030	Es 1125	unId 2	CBS east	
	(MUF 98.7)		1230	unids 2	west
	2000 WEDU 3 Tampa FL 975		1240	WCBD- 2	Charleston SC ? T1115
	2100 WDIQ 2 Andalusia AL 725		2030-2135	2-5 unIds	
	unIds 2-6	7 Es 1720	unids 2		
21 MS 1437	KUSD- 2 Vermillion SD 930		2010-2050	2 unids	
24 Es 1833	WFMY- 2 Greensboro NC 1175	tr 2300	KFLC- 7	Lake Charles LA ? T 325	
	1859 WKAY- 3 Wilmington NC 1240		2340	XEPB- 3	Monterrey NL ? T
	unIds 2-4			XHX -10	Monterrey NL ? T
26 tr 2200	KMID- 2 Midland TX 280			KLNI 15	Lafayette LA ? T 400
		8 tr 0025	XET - 6	Monterrey NL ? T 275	

It is nice to finally have a decent VHF TV antenna. The most striking effect
 was all those meteor bursts I'd been missing (and not even a shower). I knew from
 the Ferseids in Colorado in 1971 that the set was very good for MS. Reliable
 directivity is also welcomed in pinpointing Es, etc.

I don't know if all the good Es and tropo of late was really better conditions
 or my better antenna... Finally getting New Mexico after all these years (and three
 of them in one evening!) vy pleasing.

Now if I could do as much for the UHF system....

And now it is about time for the regular Es season to 'begin' when the old
 one seems hardly to have ended. 73, WA5IYX.

Glenn Hauser, Box 62, Von Ormy, Texas 78073 (6 Feb - 6 Mar) (CST)

February was fantastic!--more Es than I've ever experienced in that month, plus
 what looked suspiciously like F2 on ch 2. Added another Nicaraguan, a new estado,
 and a new Es state, for totals now of 283 stations from 37 states, 1 province, 11

estados and 4 other countries. With a lot of luck I might make 300 by my second anniversary of DXing here, in April. New stations are underlined--a much better way of highlighting them, I feel, than an "N" instead of an "R" in a congested column of figures. (Whether N or underline, many R's do tend to congest things otherwise. dps)

6 tr 2140 KOSA- 7 Odessa TX 285 (9Es) 1838 WSB - 2 Atlanta GA 890
 2140 KMGM- 9 Monahans TX 305 1840 KOTA- 3 Rapid City SD 1050
 2140 KRBC- 9 Abilene TX 220 1854 KID - 3 Idaho Falls ID 1245
7 tr 0035 KBIM-10 Roswell NM 400 1911 KHMA- 6 Denver CO N 805
 Es 1620 unid - 2 Nw, f/out 1623 1911 KTVS 3 Sterling CO ? T
 1626 XHY - 3 Merida Yuc 805 1943 YSR - 2 SanSalvador ElSal 1205
 (1845TopCat; 1852mixKTVK; 1857 Id, Festival de Caricaturas; 1928docu; 1934 vy ghosty; 1953 hvy CGI, abt 5 khz; 2000 mix TGV)
 1646 YSR - 2 SanSalvador, ElSal 1205 ("Mensaje especial al pueblo salvadoreno"; 1945NA, seal, msg from Pres. Col.Molina full of platitudes)
 (gray scale; 1659ES flag slide, NA; 1701 YSR TP, 1702 YSR bldg; 1704 "Club Televido"=cartoons)
 1649 YNTC- 2 Managua Nicaragua R1410 10 tr 2007 KCRK- 3 Las Vegas NV (nx) 106C
 (Nic.#2. MixYSR; 1652 Id slide of 4 squares like Calkirts; annt abt netw now operate commercially; 1659mixYSR) 1030 KBTX- 3 Bryan TX 170
 1705 YSU - 4 San Salvador ? T 1040 KAMU-15 College Station TX 170
 1705 YSU - 3 Honduras relay ? T Es 1555 YSR - 2 SanSalvador?(movie)T
 1728 TVN2 2 Habana Cuba 1125 1600 YSU - 4 San Salvador ? T
 (string quartet; 1750TVUniversitaria credit, Canal 2pgmpromo; beisbd at 8:30; offering pgr info by phone, Id slide, docum.Dyakttribe; 1809still; "2"design in Id similar to XEW)
 1746 TVN 3 Cuba ? T 1640 XEW - 2 Mexico DF?(comedy film)T
 1847 KTVK 3 Phoenix AZ 835 2055 XHI - 2 CiudadOregon Son N 705
 (1854still, mixXHY; double hop possible?) (2105Canal 2, UncleGirl; estado#11 ch2#47; 2112ratingssystemexplain, 2114TVSecundariaslide, Id, Combat; 2209same Id typew/Canal 2 only visible bottom center)
 1851 XHP - 3 Puebla Pue ? T 2117 XHG - 3 Culiacan Sin ? T
 1907 XHTV 4 Mexico DF ? T 2120 XHBS - 4 Los Mochlis Sin ? T
 1909 XEW - 2 Mexico DF 685 17 Es 2141 XHBC - 3 Mexicali BCN 1020
 (1926 animated "Canal 2--El Primero en su Television") 18 Es 2148 XHW - 2 Guadalajara Jal 665
 (w2net:64,000Fesoquestion, SW)
 1910 CHGC - 5 Mexico DF ? T 2159 XEZ - 3 El Zamorano (ro ? T
 1938 KOAI 2 Flagstaff AZ 845 1928 YSR - 2 SanSalvador ElSal 1205
 (2029nx; 2057Id:5544; 2200traces) (LuciaSombra promoslidew/tv2Id)
 1958 TGV - 3 Guatemala Guat 1130 1730 KQTV 2 Saint Joseph MO 750
 (Canal 3 Id; 2000mixXHY; 2027Mission: Impossible contd; Guat MUF98.6MHz) (1745-2015 I am away)
 2050 KVVU 5 Henderson NV ? T 2018 unid 2 (ABC)
 2059 KCEK- 3 Las Vegas NV 1060 2025 KWGN 2 Denver CO 805
 (2101 Big Valley: 5544; 2200 traces; AZ-NV MUF 98.5)
8 Es 1910 WJBK- 2 Detroit MI ? T 2111 XHW - 2 Guadalajara Jal ? T
 2000 XEW - 2 Mexico DF 685 2235 KCFK- 3 Las Vegas NV 1060
 (south, w2 contest pgm) (2347 still, MUF 92.3)
 2050 XHTV 4 Mexico DF ? T 2237 KNXT 2 Los Angeles CA 1190
 (double hop poss.) (0002 still)
 2051 XEZ - 3 El Zamorano (ro ? T 19 Es 2325 KOAI 2 Flagstaff AZ 845
 2057 KTWO- 2 Casper WY 1010 0050 unid 4 (traces)
 2152 YSR - 2 SanSalvador, ElSal 1205 1033 KUTV 2 SaltLakeCity UT ? T
 (RCAad, ElSalBondsFSA; 2156f/out) 1035 TVN2 2 Habana Cuba 1125
 (ICR2TF, educational radioaudio)
9 Es 1800 WDCN- 2 Nashville TN 830 1203 KCFK- 3 Las Vegas NV 1060
 (opening already in progress) (1249nearperfect, color; MUF98.5)
 1801 KGLO- 3 Mason City IA ? T 1205 KVVU 5 Henderson NV ? T
 1827 WVAB 2 State College MS N 615 1225 KNXT 2 Los Angeles CA 1190
 (Maggie; 1829 vid Miss ETV Id mix KTWO audio; Es state #31) (1303 mix YSR)
 1828 KTWO- 2 Casper WY (1830 K2rx) 1010 1243 KOAI 2 Flagstaff AZ 845
 1836 KUTV 2 SaltLakeCity UT 1080 1250 KNBC 4 Los Angeles CA N1190
 (1902 UT nx; MUF 98.7) (Ø KOAI; Hollywood Squares)
 1256 KILA 5 Los Angeles CA N1190

(19)(Es)	(1256)	(Ø CCI to KENS; LA MUF to 96.3)	2 tr	0750	KFDM- 6 Beaumont TX	290	
	1303	YSR - 2 SanSalvador ElSal 1205 (b&w SE SSoopera; 1343nx: "Tele- prensa de ElSal." item that ch2 & 6 will soon have RCA color)		0750	KFLC- 7 Lake Charles LA	330	
	1317	XETV 6 Tijuana BCN ? T		0815	KVRL-26 Houston TX	200	
	1357	WTHS- 2 Miami FL 1155 (digital clock; WFBT?; MUF 107.9)			(newly s/on; several path ghost)		
	1801	WCBD- 2 Charleston SC 1130		1020	KAMU-15 College Station TX 170 (ElectricCo; 1023 illegible Id slide)	170	
	1828	WSAV- 3 Savannah GA 1060		1125	KLFY-10 Lafayette LA 390 (local news by YL)		
	1831	WESH- 2 Daytona Beach FL 1045 (1849 5535 but bi-path hvy ghost; 1957 still strong)		2153	WAFB- 9 Baton Rouge LA 455	455	
	1859	WDBC- 6 Orlando FL 1065		2153	WRBT 33 Baton Rouge LA 455	455	
	1900	WEDU 3 Tampa FL 985		2154	XHX -30 Monterrey NL (2335gd)	265	
	2040	WTVJ 4 Miami FL ? T		2154	XET - 6 Monterrey NL 265 (2300 "EnPunto" net rx roundup of re- action to Sudan murders from corres- pondents abroad (audio) but stock footage video; 2310 brief xmtr fail; 2325 CBS star animation as mx intro; 2332 "Esta Noche con Manolo Fabregas" copy of Carson show)	265	
	2059	WDIC 2 Dozier AL (WDIC vs Id) 740		2154	XEFB- 3 Monterrey NL 265 (best of Mont.stn, both A&V; 2201 Noticiero del 3 in color but film b&w; 2311 Longstreet; 2331 XEMN ad)	265	
21	F2? 1645	unId 2 (SE, no audio, vly ghostly but insync; impossible to discern; 1650 slide for long time; flashing credits gradually fading out to 1710; minor geomagnetic storm began 1200; lots of 30-50-MHz activity)		2209	KLNI-15 New Iberia LA 405	405	
22	MS 1654	unId 2 (vid "Nosotros...")		2210	WGNO-26 New Orleans LA 510	510	
23	F2? 1501	unId 2 (t/in, SE, ghostly cartoons Archie?; 1518 slide, maybe w/ small 2 in middle; 1520 f/out)		2216	KXIX-19 Victoria TX 105	105	
	Es 1845	YSR - 2 SanSalvador ElSal 1205 (1858 Frescolandia, TACA ads; 1952 Aquil Centro America mp slide)		2305	XEFE- 2 Nuevo Laredo Tamps 140 (full CB; 2306 off)	140	
	2022	YNTC 2 Managua Nicaragua 1410 (2024 Id w/whirlpool logo, off msg- Somoza?; 2046 still w/speaker wear- ing dark glasses; gone by 2100)		2325	XHBR-11 Nuevo Laredo Tamps 140 (//10; 0008 holding own; rarely seen, low powered)	140	
25	F2? 1425	unId 2 (SE, ghostly; nothing 30-50)		2340	K76CF 76 Hunt etc TX (WOAI4) 70 (0037 ACI from ch 5 relayed from off-air pickup!)	70	
	Es 2030	YSR - 2 SanSalvador ? T		2340	K79BT 79 Hunt etc TX (KENS5) 70 (0036 hvy flicker like Ø CCI)	70	
	2055	TGV - 3 Guatemala Guat ? T		2340	K82EK 82 Hunt etc TX (KSAT12) 70	70	
	tr 2105	KMCM- 9 Monahans TX 305		2345	K72DN 72 Leakey TX (KENS5) 75 (gd color; 0035 even better, noted w/antenna east)	75	
	2105	KRBC- 9 Abilene TX 220		2345	K74DF 74 Leakey TX (KSAT12) 75	75	
26	Es 1630	KOKK- 3 Las Vegas NV ? T		2345	K7ØFD 70 Leakey TX (WOAI4) 75	75	
	tr 1950	KMCM- 9 Monahans TX 305		2347	K72EN 72 Knippa & (WOAI4) 65	65	
	1950	KRBC- 9 Abilene TX 220 (2159 vid o/KLRN)		2347	K79BF 79 Uvalde TX (KENS5) 65 (79 stronger than 72 & 83, tho all listed 20w)	65	
	1950	KOSA- 7 Odessa TX 285		2347	K83BØ83 Knippa & Uvalde (KSAT12) 65	65	
	1950	KBIM-10 Roswell NM 400 (2213 wx for SE NM: front to SA)		2 tr	0010	XHAH- 8 Las Lajas Ver 690 (0014 pgn sum, s/off sequence thru KGNS CB; 0016 to gray scale; Ø offset)	690
	2200	KSMS- 8 Roswell NM (Id, nx) 410		0010	XHAB- 7 Matamoros Tamps 245 0016 to gray scale, not same one as ch8)	245	
	2204	KSEL-28 Lubbock (Eyewit. nx) 345		0020	XHUT-13 Ciudad Victoria Tamps ? T (2Ø-CCI to KTRK; vly light, seemed south)	245	
	2227	KCBD-11 Lubbock TX 345 (0011 joint RCA TP w/KSWS)		0112	WVUE 8 New Orleans LA 515	515	
27	tr 0012	KLEK-13 Lubbock (still in at 1120) 345		0203	K69 69 Junction TX N 110 (KSAT s/off; ex-ch75; still some video afterwards)	110	
	0045	KAVE- 6 Carlsbad NM 405		0203	K73CH 73 Junction TX (KENS) N 110 (same Ø-CCI-type flutter as on 79 which it must relay; 20 watts)	110	
	0927	K76CF 76 Hunt etc TX (WOAI4) 70		0902	KSWO- 7 Lawton OK 325	325	
	0928	K79BT 79 Hunt etc TX (KENS5) 70		Es 1258	WCBD- 2 Charleston SC 1130	1130	
	0928	K82EK 82 Hunt etc TX (KSAT12) 70 (no sign of 73-KLRN, now off)		1301	unId 3		
	1120	KCBD-11 Lubbock TX 345			Until the next, 73 de Glenn.		
	1120	KSEL-28 Lubbock TX 345					
	1517	XET - 6 Monterrey NL 265					
	1530	KOSA- 7 Odessa TX 285 (geomag. storm finally ends 0600 28 Feb)					
M1	tr 0007	XHX -10 Monterrey NL 265 (0017 off w/out Id. Id unlike before)					
	0008	XEFB- 3 Monterrey NL 265 (good color; billiards demo; 0018 pgn sum; 0020 off w/out ary audio Id)					

CENTRAL TV DX

Roger H. Brown
1617 Linden St.
E. Lansing, MI 48823

April 1973

Next deadline: April 15

For TV-DX reports from Wi, Il, In, Mi, and Oh. Please support your club!

Except for more E-skip than usual...and a slight break in the tropo-doldrums, this has been a near DX-less Midwest winter. Warmer than usual after the first of the year, but little good high pressure to maintain much tropo. I think we're all hoping Spring is warmer than last year. I'm writing this a day before the first day of Spring. We had 18 inches of snow, two days ago. Nice start.

Sorry about no column last month...I was (and am) swamped with other things. Hope your all ready for lots of Es...! Fingers crossed everyone?

Bruce Hertenstein, Rt. 11 Box 49, Chillicothe, OH 45601 EST

12-14 Es	1615 CKCW-2 Moncton, NB (1050)	1-17 Tr	0115 WJW-8 Cleveland, OH (160)
	1620 CBHT-3 Halifax, NS (1045)		0125 WJBK-2 Detroit, MI (220)
	1635 CJCH-5 Halifax, NS (1045)	1-20 Tr	1725 WSTV-9 Stuebenville, OH (140)
	1705 WGBH-2 Boston, Ma (650)		KDKA-2 Pittsburgh, PA (160)
12-23 Tr	1615 WTTV-4 Indy-Bloomington (190)	1-21 Tr	0130 WDBJ-7 Roanoke, VA (215)
	1620 WOAY-4 Beckley, WVA (135)	1-26 Tr	1335 WSPD-13 Toledo, OH (160)
	1625 WIIC-11 Pittsburg, PA (160)	1-30 Tr	1230 WSWP-9 Grandview, WV (135)
	1630 WBOY-12 Clarksburg, WVA (135)	2-3 Es	1827 KPRC-2 Houston, TX (1015)
1-16 Tr	1100 WOTV-8 Grand Rapids, MI (275)		1829 KIII-3 Corpus Christi (1310)
	1105 WWTW-9 Cadillac, MI (370)		1840 KENS-5 San Antonio (1275)
	1115 WDTV-5 Weston, WVA (130)	2-10 Tr	0145 WJIM-6 Lansing, MI (240)
1-17 Tr	0100 WTOL-11 Toledo, OH (160)		0150 WHIS-6 Bluefield, WVA (180)

Bruce feeds a '68 Philco color set with a JFD-LP on a 55 foot tower. Plans for '73 include a 7 foot Finco dish, more VHF antenna and a possible increase in tower height. Get this you urbanites: Bruce notes..."my closest locals are in Columbus...50 miles away." I'm sure we'll hear more from Mr. Hertenstein! (RB)

John R. Sally, 29926 Truman Ave., Wickliffe, OH 44092 EST

1-14 Es	1803 WESH-2 Daytona Beach, FA	Seems to be an average dull winter.
	plus unids through 4.	Bought a 12" Milivac B-W set on 1-7,
1-16 Tr	WXON-20 Detroit plus all SE MI	broke it the same day. Still in shop
	UHF and VHF.	on 2-4!

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

1-15 Tr	tent KBMA-41 KCity, KCBJ-17	1-17 Tr	2200 WXON-20 Detroit (240)
	Columbia and KUHI-16 Joplin 1700-2100	1-25 Tr	0640 KROC-10 Rochester (260)
1-16 Tr	0543 WFMJ-21 Youngstown, OH (380)		1750 WUAB-43 Cleveland (310)
	0556 KFVS-12 Cape Girardeau, MO (370)		1755 WKBF-61 WVIZ-25
	0615 WVIZ-25 Cleveland (330)		1800 WAKR-23 Akron, OH (340)
	0730 WKMR-38 Morehead, KY (380)	1-26 Tr	0502 WJW-8 Cleveland (330)
1-17 Tr	0650 KEYC-12 Mankato, MN (330)	2-12 Tr	0555 WKRC-12 Cincinnati (300)
	0705 KMEG-14 Sioux City, IA (430)		

A more productive winter than a year ago. Log now stands at 289.

William J. Draeb, Ellis St. RR#2, Kewaunee, WI 54216 CST

1-12 Tr	2012 KDNL-30 St. Louis (432)	1-15 Tr	2005 KIIN-12 Iowa City (281)
	2025 WUAB-43 Cleveland (340)		KRNT-8 Des Moines (367)
1-13 Tr	0823 WKFF-22 Dayton, OH (368)		tent WIBW-13, unid-32
1-14 Tr	1034 WKYT-27 Lexington (473)	2307	2307 KUHI-16 Joplin, MO (633)
1-15 Tr	2005 KTSB-27 Topeka, KY (562)	1-16 Tr	0938 WKYT-27 Lexington (473)
	KBMA-41 KCPT-19 KCity(525)		1122 tent KMTC-27 Springfield
	KCBJ-17 Columbia, MO (450)		1238 KCBJ-17 Columbia (450)
	KVFD-21 Ft. Dodge, IA (365)		1515 KBMA-41 KCity (525)

Draeb (cont)

- | | | | |
|--------------|--|--------------|---|
| 1-16 Tr 1600 | WUAB-43 Cleveland (340) | 1-21 Tr 0757 | WBJA-34 Binghamton, NY (600) |
| 1607 | WKBF-61, WVIZ-25 (355) | | id slide, s/on at 0800 |
| 1650 | WOET-16 Dayton (368) | 0845 | WLEX-18 Lexington (437) |
| | WKEF-22 Dayton (368) | 0850 | WDRB-41 Lexington, (437) |
| 1729 | WLKY-32 Louisville (437) | 1054 | WKEF-22 Dayton (368) |
| 1-17 Tr 0645 | KHNE-29 Hastings, NE (617) | 1642 | WVIZ-25 Cleveland, OH (355) |
| | w/ TP. | | WUAB-43 and WKBF-61 |
| 0700 | KVFD-21 Ft. Dodge (365) | 1-25 Tr 0955 | KDNL-30 St. Louis (432) |
| 0707 | KMEG-14 Sioux City, IA (462) | | WICS-20 Springfield, IL (325) |
| | CB TP w/ call | | WAND-17 Decatur, IL (315) |
| 0711 | KKNE-19 Norfolk, NE (525) | 1011 | KTSS-27 Topeka (562) |
| 0851 | KTCI-17 St. Paul, MN (280) | 1118 | Unid-32 SW (Waterloo rpt on Bill,
possible translator? RB) |
| | w/ tp | 1624 | WHMB-40 Indianapolis (ex WURD) |
| | WHO-13, KRNT-8 (367) | 2000 | WBGU-70 Bowling Green, OH (292) |
| 1045 | WDSE-8 Duluth, MN (286)! | | tent WDCA-20, WETA-26 D.C. |
| 1130 | KESD-8 Brookings, SD (455) | | WWVU-24 Morgantown, WVA (513) |
| | KSOO-13 Sioux Falls (460) | | WJAN-17 Canton, OH (395) |
| 1200 | KDSD-16 Aberdeen, SD (538) | | WHIZ-18 Zanesville (400) |
| | KCMT-7 Alexandria, MN (394) | | Unid 45 SSE (Ohio ETV on 45 not on) |
| 1310 | KWCM-10 Appleton, MN (427) | 1-26 Tr 0736 | WBGU-70 Bowling Green, OH (292) |
| 1452 | WKBN-27 Youngstown, OH (420) | | w/ IHTP |
| 1457 | WFMJ-21 Youngstown, OH (420) | 1450 | WKYT-27 Lexington (473) |
| | WYTV-33 Youngstown, WVIZ-25,
WUAB-43, WAKR-23 (380) | 2-4 Tr 1200 | WHMB-40 Indianapolis (336) |
| 1613 | WNPB-13 Marquette, MI (150) | | WKEF-22 Dayton (368) |
| 1824 | KTSS-27 Topeka, KY (562) | 2-6 Tr 2010 | WOET-16, WKEF-22 |
| 2122 | WOET-16, WKEF-22 (368) | 2-12 Tr 1630 | WOET-16, WKEF-22 |
| 1-21 Tr 0725 | WJET-24, WSEE-35 Erie (405) | 2-13 Tr 1650 | KDNL-30, WOET-16, WKEF-22, WVIZ-25 |
| | WKYT-27 Lexington (473) | | WUAB-43 WKBF-61; 1900 WKYT-27 |
| 0748 | WKBN-27 Youngstown (420) | 2-28 Tr 0450 | WCPO-9, WHIO-7, WJW-8 |
| 0752 | WJAN-17 Canton, OH (395) | 3-3 Tr 1830 | KCBJ-17 Columbia, MO |
| | WLKY-32 Louisville, KY (437) | | MS 0750 CBOT-4 Ottawa, Ont. |

Log now stands at 499! (Bill...5 new in one day with totals as high as you have is really pretty amazing. How long have you scratched for WDSE-8? RB)

Roger H. Brown, 1617 Linden, E. Lansing, MI. 48823 EST

- | | | | |
|--------------|--------------------------------|--------------|------------------------------------|
| 1-21 Tr 0200 | WICS-20 Springfield, II (340) | 2-27 Tr 2200 | WUTV-29, WNED-17 Buffalo (290) |
| | WAND-17 Decatur, IL (300) | | plus others closer |
| 0220 | KROC-10 Rochester, MN (420) | 3-14 Tr 1630 | after passage through of warm |
| | w/ Sign Off | | front...Us w/in 250 to S and SE |
| 0830 | WTAP-15 Parkersburg, WVA (270) | | intense...like WKIX-19, WCVN-54 |
| | WHIZ-18 Zanesville, OH (250) | | (just fair), WKEF-22, WOET-16.All1 |
| | also WAND-17 and WMBD-31 (300) | | faded in a couple of hours. |

So...there have been a few days. I should have paid more attention but haven't had the energy when the time was available. I didn't see Es in February but know folks who did in Mid-Michigan. Trope was just beginning to build again before our latest cold snap.

That's about it for this time. As we move into a possibly active Es season...please try to edit reports a bit. By all means...report! I usually hear from lots of you during this time of the year...wish I heard from you all year round...but this brief contact is most welcome! My current (and future) work load makes time pretty valuable so keep'em simple...your reports that is!

And...why don't you all plan to join us on the mountain...at Bob Seybold's for the annual convention in August. 73, Best DX Rog

EASTERN TV DX

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

Nothing unusual to report for the month of February. The winter continues to be fairly good DX-wise with the number of reporters increased over past winters. Reports from 7 Eastern TV-DXer's show Es seen on 9 days during the month. No day saw more than one reporter noting skip, however there were brief periods where activity seemed to be concentrated--the 8th, 9th, 10th and the 17th, 18th, and 19th. Tropo activity also appeared during the period on 5 days in February and 2 in early March. Highlight was February 13 when 4 reporters noted significant tropo activity.

Kenneth R. Simon 528 Pilgrim Road West Palm Beach, Florida 33405 (EST)

2-5	Tr	0730	WSEC-17	Miami, FL	Also seen during the period:
6	Es	1902	UNID-2	Spanish cowboy	WESH-2 WEDU-3 WJXT-4 WDBO-6 WFLA-8
		1938	UNID-3	Spanish Abbot/Costello	WFTV-9 WINK-11 WTVT-13 WBBH-20 WXLT-40
15	Tr	2110	WUSF-16	Tampa, FL 2416N	WTOG-44 "The only unusual one was WJXT
18		2230	TVN-6	Cuba(formerly CMQ-6)	which I had to dig under WTVJ-4, TNX to
20		2258	W61AA-61	Ft.Lauderdale, FL	Glenn Hauser for tip on UNID in October
24		1600	YVVA-3	Barquismeto,Venezuela	VUD as YNTC-2 for 8th country logged."

Robert Seybold Bennett Road Dunkirk, New York (EST)

12-2	Es	1800	CJON-6	St.John's, Nfld.	CJBR-3 Rimouski, Quebec	CKCW-2 Moncton, NB
12-13			KFDX-3	Wichita Falls, TX	WBAP-5 Ft.Worth	WBRZ-2 Baton Rouge
12-17			KCKT-2	Great Bend,KS	KLNE-3 Lexington,NE	KDUH-4 Hay Springs,NE
			KHPL-6	Hayes Center,NE	WOW-6 Omaha	KMTV-3 Omaha, NE
12-19			WDIQ-2	Dozier,AL	WRCB-3 Chatanooga	WMAB-2 State College,MS
1-17	Tr		VHF	and UHF	out to 400 miles	
2-12			VHF	loaded	to 400+ miles	
2-13			WGVC-35	Allendale,MI	WXXW-20 WCIU-26 WFLD-32	WSNS-44 Chicago,IL
			KDUB-40	Dubuque,IA	WPNB-13 Marquette,MI	WCMU-14 Mt.Pleasant,MI
			WKAR-23	MI	WKAR-23 MI	
			WANE-15	WPTA-21 Ft.Wayne,IN	WNDU-16 WSBT-22	WSJV-28 South Bend/Elkhart,IN
			WGTE-30	WDHO-24 Toledo,OH	WFLI-18 Lafayette,IN	WEYI-25 Saginaw,MI
			WXON-20	WKBD-50	WTVS-56 Detroit,MI	WGTU-29 Traverse City, MI
			WLI0-35	Lima, OH		
			WNPE-38	Green Bay,WI	WUHQ-41 Battle Creek,MI	WBGU-70 Bowling Green, OH
			CITY-79	Toronto, Ontario	"Total now 594"	

Mark L. Lewis 224 Honiton Street Downsview, Ontario M3H5N8 (EST)

2-12	Tr	2300	WXON-20	WKBD-50	WTVS-56	Detroit,MI	WNDU-16	WSBT-22	WSJV-28	South Bend, IN
			WEYI-25	Saginaw,MI	WSEE-35	WJET-24	WQLN-54	Erie,PA	WLI0-35	Lima, OH
			WANE-15	Ft.Wayne,IN	WDHO-24	Toledo,OH	WUHQ-41	Battle Creek, MI		
2-13		0800	WEYI-25	Saginaw,MI	WNDU-16	South Bend,IN	WTVS-56	WKBD-50	Detroit,MI	
		2100	WKJG-33	WANC-15	Ft.Wayne,IN	WEYI-25	Saginaw,MI	WVIZ-25	Cleveland, OH	
			W81AE-81	Little Valley,NY	"translator of	WNED-17	seen at 120 miles"			
		2200	WXXI-20	Rochester,NY	WFMJ-21	Youngstown,NY	WAKR-23	Akron,OH		
			WJET-24	WSEE-35	WQLN-54	Erie,PA	WVIZ-25	WAUB-43	WKBF-61	Cleveland,OH
			WKBN-27	Youngstown,OH	WENY-36	Elmira,NY	"weak, but signal increasing"			
		2230	WNPE-16	Watertown,NY	2300	W81??-81	another	WNED-17	translator	W72??-72
				Great Valley,NY	xltr	WNED-17	W73AR-73	Arcade,NY	2400	WCDC-19
				N.Adams,MA						

"Trope is on the upswing again...at long last. I have not seen anything earth-shattering, as you can see from this log, but it is nice to see UHF to 350 miles. Early Monday evening, I noticed the improving trope conditions atop my new DX hideaway...the headend of a CATV firm I work for. I was running VTR programming on our local community channel, and I was DX'ing while the programming was running. I noted Detroit and Saginaw...that was about 2000-2200. The antenna was a 4-bay bow-tie crudely pointed at Detroit... and my transmission line was rg-59...so you can appreciate the fact that nothing extra ordinary was I'd'ed. Since the site is about 300+feet above the ground, and 1,000 above sea level, when I install the antenna at the top of our 60 foot tower with .412, I expect some real DX. With a 1 inch IVC colour VTR unit, and Electrahome monitor set, I hope to record some DX. The headend is about 1 mile from my home, and 8 minutes away...including the 30 floor elevator ride and the walk out on the apartment roof to the head-end. Hopefully, a rotor, and better UHF antenna will be mounted for the next big opening at the CATV site. Be on the lookout for CBLFT-25 CBC French in Toronto. They should be testing by February 22 and on air by March 4. (TV Guide from that area did not show it by March 4. dp) Plans announced a week ago for the world's largest (tallest) building to be constructed here in Toronto--at 1805 feet. It will function as an observation deck, TV transmitter site, and restaurant. CBLT-5,CFTO-9,CICA-19, and CBLFT-25 announced they will move in 22 months when tower is complete. Most FM's will move to the "CN Tower."

Ronald J. LeBlanc 2524 Arizona Drive Marrero, Louisiana 70072

"Very little tropo noted here in the month of February. However, 6 more days of Es were noted here in February. What I thought might be a good tropo opening on the 2nd and 3rd of March turned out to be just the Houston and Shreveport areas. However, all my locals were being wiped out by stations up to 200 miles."

2-8	1610	HRTG-5	Honduras	3232R1125	2-19	1916	Es	XEFB-3	Monterrey,NL3123R0700
	1615	YNTC-2	Managua, Nicaragua	2432R1270	28			Tr KHTV-39	KVUE-24 KHFI-42 TX
	1650	YSR-2	El Salvador	3332R1132	3-2	2000		KTRK-13	Houston,TX 3444R0321
	9	1726	KWGN-2	Denver, CO		2001		KHTV-39	Houston,TX 3345R0321
	10	2100	UNID-2,3	Spanish CCl; lasted one hr.		2030		KVRL-26	Houston,TX thru WGN0
	17	1845-1930	UNID-2	Spanish south		2200		KXIX-19	Victoria,TX thru WMAH
	18		UNID-2	"in and out all day"		2350		KBMT-12	Beaumont,TX 4454R0244
	19	1116	XEW-2	Mexico City, DF		2351		KHOU-11	Houston,TX 4455R0321
		1117	UNID-3	"same program as XEW-2"		2400		KTVV-36	Austin, TX 3455N0460
		1138	XHP-3	Puebla, Pue., Mex					"first time seen as 36; was KHFI-42 Austin"
		1830	WJMN-3	Escanaba, MI		3			"same as above, plus CCl on 6,8, 12"

(Ron uses a 7-ft. UHF dish at 70-ft; CM-3617 at 65-ft.; Alliance T-45 rotor, Winegard sc-650 FM stereo probe at 20-ft.; Winegard 2-6 low-band yagi at 25-ft.; Alliance T-45 rotor; 2 7-13 Winegard high band yagis stacked at 35-ft.; U-100 rotor; 4 18" B/W Zeniths, and 1 23" Heathkit color set and 1 Heath AR-1500 stereo receiver.) Total now 281

Paul D. Traska 64 Weaver Avenue Buffalo, New York 14206

"One new station for 1973. My log total is now 174. I have a report from WDBJ-7 in Roanoke, Virginia. Verification in 5 days."

1-3	1300	Tr	CICA-19	Toronto,Ontario	5445R	1-20	1306	Tr	WHEN-5	Syracuse, NY	5454R
	1300		WCDC-19	N. Adams, MA	2221R	21	0110		WNNY-7	Watertown, NY	2343R
	1300		WUTR-20	Utica, NY	3433R		0220		WXYZ-7	Detroit, MI	3434R
	1335		WSYE-18	Elmira, NY	3333R		0200		CKVR-3	Barrie, Ontario	4443R
	1336		WXXI-21	Rochester, NY	4445R	22	0545		WEWS-5	Cleveland, OH	4444R
	1336		WDAU-22	Scranton, PA	4332R		0545		WJW-8	Cleveland, OH	4444R
	1340		WJET-24	Erie, PA	4444R		0547		CFPL-10	London, Ontario	4442R
	1340		WSEE-35	Erie, PA	4444R		1800		CHEX-12	Peterborough, Ont	3323R
	1342		WQLN-54	Erie, PA	4444R	25	0145		WNNY-7	Watertown, NY	4434R
	1350		WICZ-40	Binghamton, NY	3433R		0145		WBNG-12	Binghamton, NY	4434R
16	2330		WFMJ-21	Youngstown, OH	4434R		0205		KDKA-2	Pittsburgh, PA	3212R
	2331		WUAB-43	Lorain, OH	4443R		0206		WSTV-9	Steubenville,OH	3333R
	2331		WKBF-61	Cleveland, OH	4443R		0206		WTAJ-10	Altoona, PA	4433R
	2331		WKBD-50	Detroit, MI	3343R		0230		WTOL-11	Toledo, OH	3333R
	2332		WTVS-56	Detroit, MI	2343R	26	1200		WYTV-33	Youngstown, OH	4433R
	2340		WUHQ-41	Battle Creek, MI	3433R		1200		WKBN-27	Youngstown, OH	4443R
17	2400		WSBT-22	South Bend, IN	3343R		1200		WFMJ-21	Youngstown, OH	5444R
	2400		WSJV-28	Elkhart, IN	3343R		1200		WJAC-6	Johnstown, PA	2122R
	0045		CFPL-10	London, Ontario	5444R		1645		WKBD-50	Detroit, MI	5444R
	0045		CKCO-13	Kitchener, Ontario	5444R		1645		WTVS-56	Detroit, MI	4333R
	0100		WJW-8	Cleveland, OH	4444R		1700		WXON-20	Detroit, MI	4444R
	0100		WEWS-5	Cleveland, OH	4444R		1830		WPTA-21	Ft.Wayne, IN	0322R
	0105		WKBN-27	Youngstown, OH	3433R		1835		WCNY-24	Syracuse, NY	2222R
	0106		WAKR-23	Akron, OH	3433R		1836		WNPE-16	Watertown, NY	1111R
	1842		CXNX-8	Wingham, Ontario	4444R	29	0220		WJBK-2	Detroit, MI	2322R
	1843		CHEX-12	Peterborough, Ont	3433R		0220		WJW-8	Cleveland, OH	3344R
	1850		CJOH-6	Deseronto, Ont	3433R	2-5	0135		KDKA-2	Pittsburgh, PA	3332R
	1852		WNY5-9	Syracuse, NY	4444R		0136		WEWS-5	Cleveland, OH	2333R
	1900		WKIZ-25	Cleveland, OH	4443R		0136		WXYZ-7	Detroit, MI	2333R
	1905		WCNY-24	Syracuse, NY	4444R		0136		WJW-8	Cleveland, OH	4433R
	1905		WUTR-20	Utica, NY	3443R		0140		WJBK-2	Detroit, MI	2322R
18	2330		WJAN-17	Canton, OH	3223R		0145		CKWS-11	Kingston, Ontario	3343R
	2332		WSYE-18	Elmira, NY	3333R		0145		WTAJ-10	Altoona, PA	3333R
	2332		WENY-36	Elmira, NY	3333R		0148		WILC-11	Pittsburgh, PA	3333R
	2333		WBJA-34	Binghamton, NY	3343R		2332		WVIZ-25	Cleveland, OH	4433R
	2334		WICZ-40	Binghamton, NY	3333R		2332		WUAB-43	Lorain, OH	4444R
19	0116		WTAJ-10	Altoona, PA	3434R		2332		WKBF-61	Cleveland, OH	3333R
	0140		CJOH-13	Ottawa, Ontario	2333R		2333		WAKR-23	Akron, OH	3343R
20	1246		WQLN-54	Erie, PA	4444R		2333		WKBD-50	Detroit, MI	3433R
	1247		WTVS-56	Detroit, MI	3333R		2140		CFPL-10	London, Ontario	3333R
	1300		WKBF-61	Cleveland, OH	4434R		2140		CHEX-12	Petersburg	4333R
	1305		WHCC-10	Rochester, NY	5454R		2142		CJOH-6	Deseronto, Ont	2221R
	1305		WOKR-13	Rochester, NY	5455R	6	0100		WDAU-22	Scranton, PA	2332R
	1305		WROC-8	Rochester, NY	5554R						

(continued on following page)

Paul D. Traska (continued)

2-6	0145	Tr	CKVR-3	Barrie, Ont	2232R	2-13	0100	Tr	CKNX-8	Wingham, Ontario	
	0145		WJBK-2	Detroit, MI	3222R		0130		WXYZ-7	Detroit, MI	"snow-free"
	2040		WCNY-24	Syracuse, NY	2343R		2230		WGTE-30	Toledo, OH	4444R
	2040		WXXI-21	Rochester, NY	4433R		2230		WDHO-24	Toledo, OH	"audio only"
	2040		WUTR-20	Utica, NY	1211R		2230		WSJV-28	Elkhart, IN	3433R
9	2046		WFMJ-21	Youngstown, OH	3333R		2100		WKJG-33	Ft. Wayne, IN	
	2050		WKBN-27	Youngstown, OH	3333R		2100		WANE-15	Ft. Wayne, IN	
10	0229		WTRF-7	Wheeling, WV	3322R		2100		WPTA-21	Ft. Wayne, IN	
	0230		WJAC-6	Johnstown, PA	2211R		2100		WKAR-23	E. Lansing, MI	
12	0130		WYTV-33	Youngstown, OH	3433R		2105		WEYI-25	Saginaw, MI	
	2302		WEYI-25	Saginaw, MI	R		2105		WXON-20	Detroit, MI	
	2305		WENY-36	Elmira, NY			2105		WKBD-50	Detroit, MI	
	2305		WICZ-40	Binghamton, NY			2105		WTVS-56	Detroit, MI	
	1210		WBJA-34	Binghamton, NY			2105		WQLN-54	Erie, PA	
	2315		WUHQ-41	Battle Creek, MI			2105		WSEE-35	Erie, PA	
	2315		WANE-15	Ft. Wayne, IN			2105		WJET-24	Erie, PA	
	2315		WXON-20	Detroit, MI			2107		WUAB-43	Lorain, OH	
	2315		WKAR-23	E. Lansing, MI			2107		WVIZ-25	Cleveland, OH	
	2320		WSBT-22	South Bend, IN			2107		WKBF-61	Cleveland, OH	
	2320		WNDU-16	Sputh Bend, IN			2107		CICA-19	Toronto, Ontario	
	2320		WPTA-21	Ft. Wayne, IN			2107		WXXI-21	Rochester, NY	
	2320		WKJG-33	Ft. Wayne, IN		14	0115		CKLW-9	Windsor, Ontario	3321R
	2345		CKLW-9	Windsor, Ontario			0145		CJOH-13	Ottawa, Ontario	2221R

J. Joel Rosenberg 47 Pannahill Road, Downsview, Ontario (EST)

"Here's my report covering the period Oct.17-Jan.31. The winter skip cycle of about 28 days seems to be holding up quite well, with my first skip ID on channel 6 ever. (CBLT vacated channel 6 in favor of channel 5). There have been also a few good tropo openings."

10-17	2000	Es	CKCT-2	Great Bend, KS		11-11	2300	Tr	WVNY-7	Watertown, NY				
	18	2120	Au	UNID to channel 4			12	1030	CJOH-13	Ottawa, Ontario				
	26	1812	Tr	WICD-15	Champaign, IL N		26	1545	Es	KNOP-2	N. Platte, NE			
		1850		WNDU-16	South Bend, IN (375)			1545		KHTL-4	Superior, NE			
		1910		KDNL-30	St. Louis, MO (660)			1700		KTVS-3	Sterling, CO			
		1930		WSJV-28	Elkhart, IN		12-7,10				"very weak"			
		1930		WBJA-34	WICZ-40	WSKG-46	NY	13	1830	WBRZ-2	Baton Rouge, LA			
		1930		WENY-36	Elmira, NY			1900		WDIQ-2	Dozier, AL			
		2055		WSBT-22	South Bend, IN			17	1715	KTBS-3	Shreveport, LA			
		2055		WAKR-23	E. Lansing, MI			1725		WDBO-6	Orlando, FL			
		2055		UNID-50	WCAE-50	St. John, IN?		1730		KETS-2	Little Rock, AK			
		2055		WUHQ-41	Battle Creek, MI			1828		KLNE-3	Lexington, NE			
		2158		WANE-15	WPTA-21	WKJG-33	IN	19	1730	KTVI-2	St. Louis, MO			
		2300		WYTV-33	Youngstown, OH			1-2	1900	KOTA-3	Rapid City, SD			
	27	0757		WEYI-25	Saginaw, MI			1-3	0945	Tr	WBRE-28	WNEP-16	WDAU-22	PA
				WCMU-14	Mt. Pleasant, MI						WVIA-44	Scranton, PA		
				WNDU-16	South Bend, IN						WEYI-25	Saginaw, MI	3355R	
				WMTV-15	Madison, WI (525)						WICZ-40	WKJG-46	Binghamton NY	
11-10	0045			21-27-33	Youngstown, OH			0955		WGVC-35	Allendale, MI			
11-11	2300			WUAB-43	WKBF-61	Cleveland		1030		WUHQ-41	Battle Creek, MI			
	2300			WCNY-24	Syracuse, NY			1030		WENY-36	Elmira, NY			
	2300			WNPE-16	Watertown, NY			1055		WKAR-23	E. Lansing, MI			
	2300			WENY-36	Elmira, NY			1140		WBJA-34	Binghamton, NY			
	2300			WUTR-20	Utica, NY			1140		WUAB-43	WKBF-61	Cleveland, OH		
	2300			WSYR-3	Syracuse, NY			14	1500	Es	WSAV-3	Savannah, GA		
	2300			CBOT-4	Ottawa, Ontario			1500		WCBD-2	Charleston, SC			
								1900		KETS-2	Little Rock, AK			
								26	2130	Tr	WXON-20	Detroit, MI	3355N0210	

"It's been a fairly good winter."

Frank Wheeler Erie, Pennsylvania (EST)

2-3	1900	Es	KATC-3	Lafayette, LA	1056	2-28	0925	Tr	WUHQ-41	Battle Creek, MI	267
	13	0728	Tr	WEYI-25	Saginaw, MI	0220		0940	WSBT-22	South Bend, IN	318
		2305		CITY-79	Toronto, Ontario	118		1000	WKAR-23	E. Lansing, MI	236

"Three new ones this year so far, making a total of 243 received with 205 veries."



VHF UTILITY DX

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

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

8-8: 1506, N3386J 119.7 ov Severna Park, MD (Flight Training, Inc.; Cessna 150; 1,500 ft; 25 watts)
19: 2116, N787JF 119.7 25 mi s Baltimore VOR (Ray Smerlock; Piper PA-24-250; 10 watts)
9-3: 1600, N5448R 122.8 ov Easton, MD (Flight Training, Inc.; Cessna 172F; 1,500 ft; 25 watts)
12-16: 1821, N78382 118.6 at Baltimore VOR (Fairchance Lumber Co., Inc.; Aero Commander 680F; 10,000 ft; 15 w) apx 600 mi s of NY (Pan American, Clipper 222; Boeing 707; Montego Bay-NY City; 25 w)

Glenn Hauser, PO Box 62, Von Ormy, TX 78073 Astronaut-6 with random-wire antenna; all Es unless noted; * F2, with daily peak noted if 40 or more; GMT

<u>8-17:</u> 1607, OK City	<u>11-15:</u> 1835, KCC 482 *	<u>10:</u> 0102, KAI 927
1615, KDN 402	<u>22:</u> 1835, KCC 482 *	0221, KFL 936
1628, KAI 927	<u>12-20:</u> 0002, KSC 645	0225, L Beach
<u>20:</u> 1829, OK City	0109, KQC 877	<u>21:</u> 2236, 37-WV *
<u>29:</u> 1548, KFL 936	0140, KQD 607	<u>22:</u> 2140, 40.36-Sp*
1713, KAI 927	0229, KSD 326	<u>24:</u> 2115, 40.36-Sp*
<u>10-16:</u> 1521, KIN 645	<u>2-4:</u> 0042, KIN 645	<u>25:</u> 2135, 40.36-Sp*
1551, 37.46-Cuba	<u>8:</u> 0038, KFL 936	<u>26:</u> 2045, 44.75-Sp*
1558, 36.34-Cuba	0126, KAI 927	<u>3-2:</u> 2127, 40.86-Sp*
1614, 36.45-MxCity	<u>9:</u> 0118, KAI 927	
<u>17:</u> 0101, KIY 757	0318, KDN 402	

John M. Kuschill, FR 470-56-9161, PSC Box 1166, Malmstrom AFB, MT 59402

would like to let members know that the Base's 341st Transportation Squadron has a taxi dispatch on 163.5 MHz with "dispatch" and "control" being used as well as "T-1" thru "T-6". John will be glad to provide a special QSL card for reports (audio tapes very much welcomed as well) sent to him at the above address.

Now, to my loggings. Allied A-2586 with 30-ft random-indoor antenna; Swan 250 with 5-element CushCraft horizontal Yagi at 12 feet. All F2 unless noted; * F2 backscatter; US F2 unIDs noted if 35-MHz or more, peak daily F2 if 40 or more; mil.-military, Sp-Spanish; CST used

<u>2-16:</u> 1551, KOG 634	<u>21:</u> 1508, Eugene	<u>21:</u> 1904, KLF 527
<u>17:</u> 1307, OK City *	Portland	<u>22:</u> 1217, Eugene
1315, KFL 936 *	1515, KKV 690 *	1219, KOK 418
1338, KKJ 460 *	1516, KOP 303	1237, KJR 354
<u>18:</u> 1318, KLR 503	1531, KOK 418	1557, KOG 634
2302, KFL 943 (Es)	1543, KCD 384	1600, KCA 695
<u>19:</u> 0010, KMA 829 (Es)	1545, KCC 482	1615, 49.99
0011, L Beach (Es)	1559, KGD 214	1655, KCE 287
0950, KIQ 999 (Es)	KGD 273	1659, KCD 346
0957, KIN 645 (Es)	1603, Scranton	1700, KCD 395
1006, KIY 508 (Es)	W.-Barre	1705, KMB 844
1017, KDN 402 (Es)	KGC 226	<u>23:</u> 1100, KME 438 (Es)
1351, KFL 936 (Es)	1607, 37-NJ, MA,	1124, KFL 936 (Es)
1357, KOG 634	NY, & OR	1435, 46.9-Sp
1400, KJR 354	1637, KOG 326	<u>24:</u> 1330, 47-Sp
<u>20:</u> 1630, KDE 245	1640, 40-mil.	1600, KIY 508 (Es)
<u>21:</u> 1436, KOG 634	----, Oakland	1615, KIN 645 (Es)
1440, 46.3-Sp	1751, KMB 305	1640, KKJ 460 *
1450, Bellingham	1821, KLL 390	<u>25:</u> 1400, 46.6-Sp

25: 1425, KLF 527	3: 1234, KQC 877 (Es)	7: 1702, KME 438 (Es)
1500, KBZ 283	1257, KFL 936 (Es)	1708, Los Ang. (Es)
1504, KCH 209	5: 1430, 40.5-Sp	1719, KMA 829 (Es)
1508, KKJ 460 *	1459, KJR 354	8: 1249, L Beach (Es)
KIN 645 (Es)	1500, KOG 634	1302, KME 438 (Es)
3-2: 1417, 46.7-Sp	6: 1308, 47.3-Sp	11: 1350, 40 + Sp
3: 1149, KFL 880 (Es)	7: 1405, 45.1-Sp	12: 1400, 40.3-Sp
KIF 653 (Es)	1656, KFL 936 (Es)	
1216, KMA 829 (Es)	1658, L Beach (Es)	

February 21 brought US F2 levels the best since January 1971 and maybe even since late 1968 with west coast military above 40 MHz. Several likely solar noise bursts in March will be listed next column.

KAI 927 35.34	Denver, CO *	KKV 690 35.62	Houston, TX *
KBZ 283 33.9	Gilford, NH-f	KLF 527 35.22	Honolulu, HI
KCA 695 33.78	Manchester, NH-f	KLL 390 35.26	Langley, WA-mp*
KCB 844 33.70	Greenfield, MA-f	KLR 503 33.02	Boston, MA-h
KCC 482 35.22	Concord, NH	KMA 829 35 +	San Diego, CA *
KCD 346 33.90	Tolland, CT-f	KMB 305 35.22	San Fran., CA *
KCD 384 33.94	Manchester, CT-f	KME 438 35.22	Orange, CA *
KCD 395 33.90	Brooklyn, CT-f	KOG 326 39.82	Lane County, OR-cp
KCE 287 33.94	Rocky Hill, CT-f	KOG 634 33.82	Kent, WA-f
KCH 209 33.78	Waterford, CT-f	KOK 418 35 +	(west) *
KDE 245 33.5	Millis, MA-f	KOP 303 35.46	Langley, WA-mp*
KDN 402 35.54	Omaha, NE *	KQC 877 35 -	Cincinnati, OH *
KFL 880 35.22	Greenville, SC *	KQD 607 35.50	Grand Rapids, MI *
KFL 936 35 +	(west) *	KSC 645 35.58	Chicago, IL *
KFL 943 35.58	Las Vegas, NM	KSD 326 35.58	Indianapolis, IN *
KGC 226 35.34	Allentown, PA *	-	Bellingham, WA-mp
KGD 214 33.90	York, PA-cf	-	Eugene, OR-mp
KGD 273 33.98	Bel Air, MD-cf	-	Long Beach, CA
KIF 653 35 +	Memphis, TN	-	Los Angeles, CA-mp
KIN 645 35.22	Miami, FL *	-	Oakland, CA-mp
KIQ 999 35.34	Mobile, AL *	-	Oklahoma City, OK
KIY 508 35.22	Orlando, FL	-	Portland, OR-mp
KIY 757 35.22	Montgomery, AL	-	Scranton, PA
KJR 354 33.90	Seattle, WA-f	-	Wilkes-Barre, PA
KKJ 460 35.22	Dallas, TX *	-	

c-county; f-fire; cp-sheriff; mp-mobile phone; h-hospital
rest are pagers; * A2 Morse code tone ID used

A note of correction to Part II of my series on Es (January 1973 VUD, p. 5) the paragraph beginning "In 1968..." the 4th line should end "...it appeared not to". My apologies for any inconvenience to readers.

For members seriously interested in a weekly "Preliminary Report and Forecast of Solar Geophysical Data" they should contact:

Space Environment Services Center
Space Environment Laboratory, ERL
National Oceanic & Atmospheric Admn.
Boulder, Colorado 80302

Telecommunications Research and Engineering Report 13 (OT/TRER 13) with contour maps of F2 MUF's (zero and 4000 km) and E (2000 km) is available from the Superintendent of Documents, US Govt. Printing Office, Wash., DC 20402 in 4 volumes; Vol. 1 instructions (Stock # 0300 0318) at 30 ¢, Vol 2-4 for sunspot levels of 10, 110, 160, respectively (#'s 0300 0319 thru 0321) at \$ 3.00 each. This replaces the old monthly ESSA maps.

Reprints of my March 1972 Radio Science Es article are still available for an s.a.s.e.

FM QSL CORNER

Dennis Moe
8140 Storms Hall
ISU
Ames, IA 50010
Deadline: April 14

- LOUISIANA:KFNV Ferriday 93.5. "It seems you've beamed in on the fabulous sounds of KFNV-FM. . . best of luck in the DX Association." Bob Cupit, PD & sales mgr.(BE)
- WQUE New Orleans 93.3. Pleasant, specific ltr frm this new station; ex-WDSU-FM.
Albert Braud, Operations Manager.(RW)
- WWL-FM New Orleans 101.9. Sends lousy AM verie card; no mention of FM. Signed Veith.(BE)
- KROK Shreveport 94.5. Specific ltr frm Frank Page, Ops. Dir. My rpt is most distant.
Enclosed FM CM, and large poster (call KWKH-FM there carefully changed to K-ROK).
MARYLAND:WGTS Takoma Park 91.9. Card, specific but omitted time, says my report (RW)
second most distant, from John A. Beckett, CE. Enc. sked. State #31 veried here.
- MICHIGAN:WGGL Houghton 91.1. Pleasant, specific ltr, CM and sked frm Lewis Purdum, (RW)
Prog. Coord. Only other DX report is from San Antonio, 180 miles farther.(PW)
- WJNR Iron Mountain 103.9. Bud Shields, Gen. Mgr.: "Our sponsors are very happy that you were able to receive them at 200 miles. Although we do not claim that much covers a ge, we do claim 40 miles in any direction."(BE)
- MINNESOTA:KBHP Bemidji 101.1. Veried in 11 days after a followup was sent to the VP, though signed by Richa rd D. Tyner, Tech. Dir. 58kW h,v with HAAT 350'.(JM)
- KBMO-FM Benson 93.5. "Wow! I had no idea our signal would reach there; this is the furthestest report we have to da te on our FM. Believe this or not but I do have a letter on file from a man who picked up our AM signal in a little town in England and I wonder if that wouldn't be some kind of a record?" Ron Overlander, Manager.(BE)
- KPIR Duluth 98.9. Letter signed by Lew Latto, President.(BE)
- KWIN Moorhead 98.7. Veried in 2 weeks with a KWLN Stereo 98 CM and a KQWB AM CM from Woody B. who signed the CM and added best wishes, etc. I had already verified 98.7 KQWB-FM and they just sent me a KQWB-FM CM and a bunch of SC's.(JM)
- KVSC St. Cloud 88.5. Letter from Kevin Leja, PD, noting that Duluth greatest distance. ERP is 12.4 watts, expects to be 40kW stereo by July 1, 1973.(BE)
- WWJO St. Cloud 101.7 sent a very friendly 2-page letter from P. Huber, CE, who gave me a detailed technical rundown of their AM, FM and cable operation. Did you know you know that their automation unit consists of 2 tape decks and one cart machine and carousel unit coupled together with autogram switching equipment?(JM)
- KQDE Waseca 92.1. Roy Achter sent note verifying, noting "good ducting conditions existed" at the time of my reception.(BE)
- MISSISSIPPI:WDAL-FM Meridian 101.3. "This is the greatest distance that we have been heard. If you ever run across our station again, please write and let me know how the stereo signal was."(BE)
- WNJC Senatobia, 90.1. Pleasant letter, did not state time, from Paul W. Copeland, Engineer. Ham call K4KCS.(RW)
- MISSOURI:KSLQ St. Louis 96.1. Brief but specific ltr from Jay Stone, Asst. Programming Director. My report is most distant known.(RW)
- NORTH DAKOTA:KFNW Fargo 97.9. Sent half-dozen KFNW bumper stickers and a log which probably was lost on the way up here, as the envelope was just ripped to pieces in the record breaking journey of 2 days as shown by the postmark. Now if only the PO got every thing here in one piece and. . .(JM) Pleasant, spec. ltr on letterhead of sister station KTIS Roseville MN, from Lewis E. Munn, Network E. Says my report "may" be a record. Says he likes my report style and wishes other reports received were more "detailed and useful." Enclosed sked booklet, CM.(RW)
- NEW YORK:WFIM-FM Potsdam 99.3. Ltr frm Kevin Mastellon, Asst. to the Manager. 10 days airmail for mint stamps.(GC)
- WNCQ-FM Watertown 97.5. Card with date, freq. frm David O. Guthrie, Chief Engineer, who is also K4QX. 9 days for mint stamp.(GC)
- OKLAHOMA:KOCY-FM Oklahoma City 96.1. Nice letter from P. Cinnamon CE in 9 days. The letter is identical to the one I received from KOCY-AM.(JM)
- OREGON:KWIL-FM Albany 107.9. Sent a QSL card, an AM CM and a new KHPE-FM CM in 50 days. Jerry Harpham mentioned that KWIL-FM call letters have been changed to KHPE(K-HAPPY) so I must have been one of the last to verify them under their old letters. Larry Gordon is President and General Manager.(JM)

- KLIQ-FM Portland 92.3. Since the first letter to the CE yielded no reply, a follow-up was sent to the VP which then yielded a fast reply in 11 days from Joe W. Allen, Sr., Corporate CE., for KLIQ-AM, FM, KUBA, KEGL, and KUDY. The CE signed my report and taped one of his business cards to it. Oregon #1 verified and one of my best FM station catches as it is next to local CKY 92.1 @ 360kW. Box 02155. ZIP 97222.
- KSLM Salem 105.1. A nice letter from Clifford C. Foote, CE, who mentioned my report (JM) is the greatest distance for reception of KSLM-FM. (JM)
- TENNESSEE: WMGL Pulaski 98.3. Brief letter, no time given, Chas. R. Solomon, P. Followed a few days later by a second letter, also no time given, plus CM, from Roger Wright.
- KETX-FM Livingston 92.1. Specific, short ltr on small letterhead from Hal Haley, (RW) Owner. (RW)
- KNUF Tyler 101.5. Pleasant letter, but rather inspecific, from Bill Adams, Ops. Mgr., who enclosed impressionistic CM, rate material. Says "I was not aware of FM-DXers until receiving your letter." (RW)
- KBUC-FM San Antonio 107.5. Pleasant, specific letter from Harrell Banks, GM. My report is first DX report for new freq. since switch in late Aug. Enc. sked, info. (RW)
- KMIO Sinton-Corpus Christi 101.3. Brief letter from Yvonne Sample, Office Mgr. Enc CM. Address of new station is Box 7576, Corpus Christi 78415. (RW)
- KIXY San Angelo 94.7. Danny R. Wilson sends form and says, "We have had several reports of reception at distances comparable to yours." (BE)
- KTFM San Antonio. 102.7. "We have changed from completely automated to a live-progressive rock station. To our knowledge this is the greatest distance KTFM has been received," Sherri Qualls, programming secretary. (BE)
- VIRGINIA: WDFW-FM Alta Vista 105.5. FM Station Atlas customer Ted J. Gray, Jr., Pres., sends short letter verifying reception. (BE)
- WFLC-FM Farmville. John D. Wilson, Gen Mgr wonders if my reception is a "regular occurrence or a freakish 'skip.' If you get around to it, how about checking us again sometime?" (BE) (Freq. is 95.7. IMM)
- WFLS-FM Fredericksburg 93.3. J. W. Poole, Stn. Mgr. sends brief QSL letter. (BE)
- WLLL-FM Lynchburg 98.3. David R. Freer, CE, sends form letter and note saying mine definitely is the most distant report. (BE)
- WYFI Norfolk 99.7. "We are \$, but had a little trouble the day you received us; you are the farthest so far. We signed on the air Oct. 2, 1971, so are a relatively new station," Lowell Davey, director. (BE)
- WJMA-FM Orange 96.7. Arch Harrison, Jr., Pres and Gen Mgr: "I'll tell Danny Shafer, the Chevrolet-Olds guy, what he got for his money last Sunday afternoon! One other enthusiast near Annapolis MD reported hearing us. Otherwise we get complaints of TV interference near the station and "I still can't get you" from people 15 miles away." (BE)
- WRFK Richmond 106.5, Very specific QSL card and pleasant letter. My report is most distant. Card from Sam Straus, CE; letter from Peter Darg, GM. Enclosed program sked. (RW)
- WRVQ Richmond 94.5. Letter in 7 days, signed by Ralph Beaver, Chief Engineer. (PD)
- WFOG Suffolk 92.9. Brief QSL letter from "George Bevins." (BE)
- WEST VIRGINIA: WFWC Buckhannon 88.9. Arnold W. Hayes, WBAW, CE: "In going back through our DX files we found the farthest previous report was in 1971 from a NJ DXer-- a distance of about 350 miles." (BE)
- WISCONSIN: WATW-FM Ashland 95.9. Tom Tibbits, news director, sends letter. (BE)
- WFAW Fort Atkinson 107.3 sends a form letter in 11 days with information on both AM and FM stations. Signed by Clifford J. Groth, CE. (Compare with that of WPTN below; form letters basically the same, and both signed by the same person.) (GL)
- WBAY Green Bay 101.1. Sent card used for AM, FM & TV with FM verification make. Color photo of WBAY building shown on front of card. (FS)
- WDBL Marshfield 106.5. Sent letter, CM for both AM & FM, plus a WDBL bumper sticker. Letter is signed by F. Bary Nienow, CE. (GL)
- ONTARIO: BUREAUS: Bruce Elving, Adolph MN; Richard Wood, Baton Rouge, LA; Joe Markewicz, Winnipeg MAN; Pa t Dyer, San Antonio TX; Peter Sawatzky, Waterloo ONT, and Gregg Calkin Ottawa ONT.
- From Bruce Elving: "Not verified from VA: WJJS 101.7 Lynchburg, even after a friend visited them and their all-Black staff was in total ignorance of what my report was about. I hate to sound racist, but few "soul" stations have verified this year, including KYEA 98.3 West Monroe LA and WDLT 92.7 Cleveland MS, in addition to WJJS.

73, Dennis

CCI FM

[UNIDENTIFIED-OX]

Bruce Rummel
R. D. 1, Box 385
Fleetwood, PA 19522

Due to a complete lack of material, there was no FM CCI column for March 1973.
This month, a number of very interesting catches from Glenn Hauser.

Glenn Hauser, Box 62, Von Ormy TX 78073 All times CST

- | | | | |
|-----------------|-------|-------|--|
| 21 Oct Sat 0910 | 93.1 | MS | -- Spanish. Glenn suspects WXRT. Broadcasting Yearbook gives WXRT a foreign-language programmer, no specific mention of Spanish. |
| 21 Nov Tue 1117 | 90.3 | MS | -- Job opening announcement; antenna aimed E. |
| 13 Dec Wed 1603 | 94.3 | Es | -- Drama for children; FL area. |
| 19 Dec Tue 1748 | 89.3 | Es | -- Soul mx, stereo. Pittsburgh, Green Bay on TV. |
| | 1820 | 107.1 | Es -- Inspirational verse, IL/WI/MI area. Nice MUF! |
| | 1839 | 96.3 | Es -- Classical music, same PTA as 107.1 logging. |
| | 1847 | 91.7 | Es -- Talk on crippled children; 1905 classical music. WUOM suspected. Any ideas? |
| | 1848 | 88.3 | Es -- "All Things Considered," delayed. NPR station. |
| | 1850 | | Es -- Classical music on 88.3, 88.9, 90.9, 91.1. PTA: WI/MN/IN area. (Some of these may be W.S.B.S.) |
| 2 Jan Tue 0804 | 91.3 | Ms | -- Spanish lessons. WTHS Miami FL suspected. |
| 4 Jan Thu 1353 | 98.5 | Ms | -- Paul Harvey, antenna NW. Probably MST, PST zone. |
| 12 Jan Fri 1844 | 96.05 | Es | -- TG## Radio Centro (?) Guatemala. "El unico Radio --" (fade); 1905 anmt. about futbol in Quetzaltenango. |
| 13 Jan Sat 1235 | 94.1 | Es | -- Uptempo EL. KLVM Henderson NV suspected. |
| | 1236 | 95.5 | Es -- Program from Los Angeles about children's mental health. KLOS doubted due to format; Not TX. KILA Henderson NV suspected. |
| | 1246 | 94.1 | Es -- Light classical music, anmt. KFSD San Diego suspected. |
| 3 Feb Sat 1519 | 89.7 | MS | -- Metropolitan Opera, antenna NE. |
| | | 91.9 | MS -- Same as 89.7. This was a nice superburst. |
| | 1802 | 88.5 | Es -- Classical mx. NC on TV. WFDD suspected. |
| | 1911 | 90.3 | Es -- Basketball coverage. (Most likely WMXY). |
| 6 Feb Tue 0018 | 99.5 | Tr | -- Fred Allen oldtime radio show, Gulf Coast PTA. |
| 7 Feb Wed 1859 | 88.3 | Es | -- Intro to SS drama "Pueblo Muerto". MX, Guatemala both in. |
| | 2015 | 89.7 | Es -- Album cuts, seemed SSE, not // 94.8 R. Cadena Maya. |
| 7 Feb Wed 2053 | 88.1 | Es | -- Outdoor action. Helicopter sounds, could be TV audio (maybe ch. 6 translator off channel); 2057 possible SS dialog, 2111 gone. Suspect NV, AZ area. |
| | | | Interview on allergies, TN/GA area. |
| 9 Feb Fri 1816 | 90.9 | Es | -- Talk about Stockholm Conference. S CA area, KNHS? |
| | 2034 | 89.7 | Es -- |
| 18 Feb Sun 2358 | 91.5 | Es | -- Mexican mx, no anmts, heavy rumble, PTA: S CA. Glenn suspects the new KHJE Mexicali - is it on? |
| 19 Feb Mon 1305 | 94.9 | Es | -- Paul Harvey. S CA area. Prime suspect KLRO San Diego. |

Although I have not yet had time to examine the above as I should, it is hoped that some of the more obvious ones could be brought to Glenn's attention (or me). Next month I should be able to narrow down the mysteries above (which should give you a general idea of what I do with the CCI, hi.) In the works here is laying foundation for a more efficient system of CCI management, including getting more program schedules. Thanks again to the many fine individuals who sent me program guides; a bit later on this material will be compiled for easy CCI use. If anyone has some good ideas on the subject, I invite discussing this with them anytime. 73 de Bruce.



C.C.I.

Leslie J. Prus
1615 Pierre Street
Manhattan, Kansas 66502
(Phone: 913-537-7886)

Unidentified TV DX

APRIL 1973

Morrie Goldman, 5815 N. Christiana, Chicago, Illinois 60659

Fri Sep 15 Tr ch 9 0510 CDT - - 3/4 color bars noted until 0537, local came on the air. Direction southwest, so PTA: IA, MO, OK, and maybe Texas. Possibilities: KWTW (s-on 0615), KMBC (s-on 0650), KTRE (0655), KRBC & KMOM (0700), KCAU (0730), and KCRG (0825). KMBC uses such a pattern before s-on, but usually not that early; the only pattern KWTW used when I've seen it is an IDed-Wedge.



11 0515 CDT - - Resolution Chart to the southeast, so PTA: KY, TN, NC, GA. Possibilities: WHAS, WJHL, WTVD (s-on 0530) and WQXI (0600) and maybe WTOG (0600).

Sat Sep 23 Tr ch 11 0635 EDT - - Negative CBS test pattern (reverse video polarization) offset 20 kHz with WTOL (which is minus). Suspected are CBS stations with a plus offset in the eastern US: WHAS in Ky, WTVD in NC.

Wed Sep 27 Tr ch 40 2315 CDT - - local movie: western. PTA: northeast U.S. Prime suspect: WURD-40 Indiana. WICZ, WHYN, WCMC, do not check in TVGs. Variety program by lightning scatter. PTA: Central US, not KUHI-16.

Sun Oct 8 Tr ch 7 0555 EDT - - Sign-OFF with flag & national anthem. Suspect WHIO-7, PTA: Northeast US According to Oct. TVGs, neither WHIO or other possibilities to the east program that late on Saturday nights. Oct. 8 may have been an exception...? IDed 3/4 CB, call letters in lower right PTA: Central US: KHQA, KOAM, KAYS, KETV



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

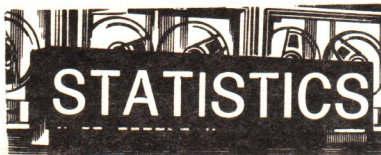
Mon Oct 16 Es ch 3 1903 EDT - - "Truth or Consequences" PTA: NE USA Possibles: WTIC, WSYR, WCAX, WKYC, CKVR...
3 1904 EDT --- "What's My Line," Definitely KYW-3
Tue Oct 17 Es ch 3 1732 EDT - - PBS "Electric Co." Definitely WPSX-3

Steve West, 432 Kenmore Road, Havertown, Pennsylvania 19083

Tue Oct 17 Es ch 2 1730 CDT --- PBS "Electric Company." Both KUSD and KTCA check for this logging.
Wed Oct 18 Tr ch 8 0800 EDT --- "New Zoo Revue" Defn. WNHC, New Haven.
Sun Oct 22 Tr ch 3 0400 EDT - - local movie, mid-Atlantic states. WTAR extremely likely, the only one in the PTA with such late programming.
287 1930 EDT - - movie, PTA: New England. At 2015 begin a local movie (Laurel & Hardy). WBRF?? circular test pattern for 30 minutes, PTA: Mo. Definitely KHAS, Nebraska.
Sun Dec 17 Es ch 5 1000 CST --- End PBS "Maggie" Suspect KTCA, KUSD.
Mon Dec 18 Es ch 2 1859 CST - - local news, PTA: Ontario. CKPR, CJIC?
Tue Dec 19 Es ch 2 1800 EST - - "Merv Griffin," PTA: Central U.S.
Fri Dec 29 Es ch 2 1800 CST - - "Merv Griffin," PTA: Central U.S.
Sat Dec 30 Es ch 4 1700 EST --- "Hee Haw," Definitely WVJ, Miami
Sun Jan 7 Es ch 2 1445 EST - - "Flying Nun," PTA: Southeast US, with WESH, WSB, WCBD, others possible.

Deadlines:

- 13 Apr (FM SB, rev)
- 14 May (2S TVSB rev)
- 12 Jun (3S AuTV 88)



Editor:

Glenn Hauser

Box 62

Von Ormy TX 78073

ALLTIME VHF TELEVISION DISTANCE RECORDS

Le crime de la crime. These records parallel our FM method, in picking out the one most distant DX catch by each propagation on each channel; Western Hemisphere and American standards only. Dennis Smith did most of the original research, including many dates. Only a handful of the VHF changes since original publication in May 1968 involve new DX; even in MS, which we have added, most records were set 10-20 years ago. By "Skip" we mean that the catch is believed to have involved ionospheric propagation over at least part of the path. At this late date, it is impossible to determine exactly what combination of multiple Es, F2, TE, tropo ducting, etc., may have produced the DX. Some of the catches may strain your credulity; there's a good chance a few of them were in error or even falsified--but they have become part of TVDX lore. Let's try a bit harder to break some in the next 5 years!

Ch	Fr Call	Station	Location	Miles	DXer	Location	Date
2	S PRG3-	Rio de Janeiro	Brasil	6615	Robert Cooper,	Lafayette CA	23 Jul 54
	T CHCT-	Calgary	Alta	1240	Edwin Shorey,	Derby KS	8 Aug 57
	M KLRJ-	Las Vegas	NV	1385	Barney Rauch,	Peoria IL	
3	S PRF3-	São Paulo	Brasil	5015	Bedford Brown,	Hot Springs AR	23 Jun 55
	T WRCV-	Philadelphia	PA	1045	Bedford Brown,	Hot Springs AR	25 Jul 57
	M KDAL-	Duluth	MN	1465	Doris Johnson,	Longview WA	
4	S KULA-	Honolulu	HI	4230	Carl Lupton,	Shelbyville IL	
	T WTVJ	Miami	FL	1155	Pat Dyer,	San Antonio TX	
	M WOAI-	San Antonio	TX	1420	Richard & William Nieman,	Buffalo NY	
5	S LRL-	Buenos Aires	Argentina	5290	Bedford Brown,	Hotsprings AR	8 Jul 55
	T KENS-	San Antonio	TX	1120	Carlton Howington,	Homestead FL	4 Apr 58
	M WHDH-	Boston	MA	1400	Ed Shorey,	Derby KS	
6	S CMQ-	Habana	Cuba	2430	Robert Cooper,	Fresno CA	
	T KRIS-	Corpus Christi	TX	1075	Carlton Howington,	Homestead FL	1 Apr 58
	M KTVC	Ensign	KS	1635	Ghislain Girard,	Arvida PQ	
7	S WKCB	Chicago	IL	2480	unidentified ARO,	Thule AFB Greenland	
	T WCKT	Miami	FL	1155	Pat Dyer,	San Antonio TX	
	M WCKT	Miami	FL	1210	Tom Hidley,	Crystal Lake IL	
8	S KZTV	Reno	NV	1490	Jerry Don Burch,	Hot Springs AR	6 Aug 55
	T KSWs-	Rosewell	NM	1510	Arnoldo Coro,	Marianao Cuba	
	M WMTW-	Mount Washington	NH	1325	Bedford Brown,	Hot Springs AR	
9	S CMGQ-	Matanzas	Cuba	1440	Ed Sparks,	Odessa TX	9 Jun 55
	T (CMAB-)	Camagüey	Cuba	1105	Clarence Raeshide,	New Orleans LA	
	M WSOO-	Charlotte	NC	1120	Glenn Hauser,	Von Ormy TX	14 Dec 71
10	S CMTV	Habana	Cuba	1395	Ed Sparks,	Odessa TX	
	T KWTX-	Waco	TX	1365	Richard Italiano,	Binghamton NY	27 Jul 61
	M WCAU-	Philadelphia	PA	tie	William Hider,	Binghamton NY	19 Jun 61
11	S KTTV	Los Angeles	CA	1610	Barney Rauch,	Peoria IL	30 Aug 56
	T KGUL-	Galveston	TX	1245	Robert Seybold,	Dunkirk NY	25 Jul 55
	M			(none)			
12	S			(none)			
	T KONO-	San Antonio	TX	1135	Carlton Howington,	Homestead FL	4 Apr 58
	M			(none)			
13	S KLAC-	Los Angeles	CA	1785	Phil Rader,	Indianapolis IN	
	T KERA-	Dallas	TX	1150	Robert Seybold,	Dunkirk NY	
	M WSPD-	Toledo	OH	715	Bedford Brown,	Hot Springs AR	

ALLTIME UHF TELEVISION DISTANCE RECORDS

UHF is an entirely different story. Ch 59 is the ONLY ONE still standing after five years of the "UHF DX era": 400 miles was once enough to capture a record; now 900 mi is common.

14	T KMEG-	Sioux City	IA	1280	Christopher Hall,	Salem MA	
15	T WDGO-	Cochran	GA	830	Robert Cooper,	Oklahoma City OK	
16	T KEDD	Wichita	KS	995	Robert Seybold,	Dunkirk NY	
17	T WJKS-	Jacksonville	FL	1020	Glenn Hauser,	Von Ormy TX	
18	T WDHN	Dothan	AL	760	Robert Cooper,	Oklahoma City OK	
19	T WMAH	Biloxi	MS	870	Roger Brown,	East Lansing MI	
20	S WICS-	Springfield	IL	560	Robert Seybold,	Dunkirk NY (MS? or lightning)	

STATISTICS

20	T	WCJB	Gainesville FL	980	Glenn Hauser, Von Ormy TX
21	T	WPTA	Fort Wayne IN	765	Robert Cooper, Oklahoma City OK
22	T	WJGL	Savannah GA	1040	Glenn Hauser, Von Ormy TX
23	T	WKZT	Elizabethtown KY	760	Glenn Hauser, Franklin TX
24	T	WDHO-	Toledo OH	865	Robert Cooper, Oklahoma City OK
25	T	WAGS-	Dawson GA	855	Glenn Hauser, Von Ormy TX
26	T	KVRL	Houston TX	1245	Robert Seybold, Dunkirk NY
27	T	WKYT-	Lexington KY	1105	Fred McCormack, Des Lacs ND
28	T	WJSP-	Columbus GA	855	Glenn Hauser, Von Ormy TX
29	T	WMAA	Jackson MS	925	Robert Seybold, Dunkirk NY
30	T	WETV	Atlanta GA	895	Glenn Hauser, Von Ormy TX
31	T	WAAY-	Huntsville AL	795	Glenn Hauser, Von Ormy TX
32	T	WKY-	Louisville KY (IN)	1040	Fred McCormack, Des Lacs ND
33	T	WRBT	Baton Rouge LA	925	Roger Brown, East Lansing MI
34	T	WBJA-	Binghamton NY	1230	Robert Cooper, Oklahoma City OK
35	T	WKMA	Madisonville KY	690	Glen Neal, Sayre OK
36	T	KTVV-	Austin TX	1110	Robert Frantz, Fort Lauderdale FL
M	KSTM	Saint Louis MO	830	R. J. Walker, Daytona Beach FL (or duct?)	
38	T	WSEK-	Boston MA	1475	Robert Cooper, Oklahoma City OK
39	T	KHTV	Houston TX	1260	Robert Seybold, Dunkirk NY
40	T	WLXT-	Sarasota FL	1060	Robert Cooper, Oklahoma City OK
41	T	WCWB-	Macon GA	920	Glenn Hauser, Von Ormy TX
42	T	WBMG	Birmingham AL	805	Mark Lewis, Downsview Ont
43	T	WUAB-	Lorain OH	935	J. Joël Rosenberg, Downsview Ont
44	T	WTOG-	St Petersburg FL	1035	Robert Cooper, Oklahoma City OK
45	T	WTCT	Chattanooga TN	665	Robert Cooper, Oklahoma City OK
46	T	WHAE-	Atlanta GA	755	J. Joël Rosenberg, Downsview Ont
47	T	WSVN-	Norton VA	825	Robert Cooper, Oklahoma City OK
48	T	WMSL-	Huntsville AL	800	Robert Cooper, Oklahoma City OK
49	T	WLBC-	Muncie IN	735	Glenn Hauser, Von Ormy TX
50	T	WKBD-	Detroit MI	900	Robert Cooper, Oklahoma City OK
51	T	WKLD-	Ft Lauderdale FL	660	Ron Le Blanc, Marrero LA
52	T	WKON	Owenton KY	835	Glenn Hauser, Franklin TX
53	T	WKGB	Bowling Green KY	700	Glenn Hauser, Franklin TX
54	T	WCVN	Covington KY	415	J. Joël Rosenberg, Downsview Ont
55	T	WHYN-	Springfield MA	340	Mark Lewis, Downsview Ont
56	T	WTYS	Detroit MI	900	Robert Seybold, Dunkirk NY
57	T	WKYH	Hazard KY	545	Robert Cooper, Oklahoma City OK
58	T	WUNC-	Concord NC	345	Bill Draeb, Kewaunee WI
59	T	WFAM-	Lafayette LA	410	Tom Yingling, Dundalk MD
60	T	WLXT	Aurora IL	455	Robert Seybold, Dunkirk NY
61	T	WRLP-	Chattanooga TN	455	Robert Seybold, Dunkirk NY
62	T	WBLG-	Lexington KY	545	Ron Le Blanc, Marrero LA
63	T	W63	Mansfield PA	380	Dave Pomeroy, Overland Park KS
64	T	W64AA	New York NY	165	Roger Brown, East Lansing MI
65			(none)		Tom Yingling, Dundalk MD
66	T	(AT&T)	Guanabo Cuba	195	Carlton Howington, Homestead FL
67	T	WMPB	Baltimore MD	325	J. Joël Rosenberg, Downsview Ont
68	T	WKMJ	Louisville KY (IN)	495	Mark Lewis, Downsview Ont
69	T	K69	Junction TX	110	Mark Lewis, Downsview Ont
70	T	K70CL	Fort Dodge IA	530	J. Joël Rosenberg, Downsview Ont
71	T	W71AE	La Salle IL	605	Glenn Hauser, Von Ormy TX
72	T	K72DJ	Olivia MN	395	Fred McCormack, Des Lacs ND
73	T	K73BU	Big Lake TX	300	Robert Cooper, Oklahoma City OK
74	T	K74CL	Inman/O'Neill NE	425	Fred McCormack, Des Lacs ND
75	T	K75CP	Willmar MN	375	Fred McCormack, Des Lacs ND
76	T	K76EZ	Ottumwa IA	470	Robert Cooper, Oklahoma City OK
77	T	K77BO	Inman/O'Neill NE	425	Fred McCormack, Des Lacs ND
78	T	K78CR	Keosauqua IA	470	Fred McCormack, Des Lacs ND
79	T	K79AH	Int'l Falls MN	380	Robert Cooper, Oklahoma City OK
80	T	K80AW	Dubuque IA	605	Fred McCormack, Des Lacs ND
81	T	K81AN	Alva OK	105	Robert Cooper, Oklahoma City OK
82	T	K82AJ	Int'l Falls MN	380	Robert Cooper, Oklahoma City OK
83	T	W83AB	Detroit MI	200	Fred McCormack, Des Lacs ND
					Robert Seybold, Dunkirk NY

APRIL 1973

TV **22** CHANNEL **26**

whyt **27** LEWISTON

32 WLKWTV

abc **WRBT 33** TELEVISION BATON ROUGE, LOUISIANA

36 KTVV NBC-AUSTIN

Summer of **38**

41

WCWB-TV

42 WBMG-TV IN BIRMINGHAM

WBLG-TV 62 Primary WVIA-44 WNEW-5

- KSAT-12
- KRNT-8
- WBMD-31
- WTGN-11
- KMOM-9
- KCAU-9
- KMSP-9
- WHO-13
- KTIV-4
- KHQA-7
- KDAL-3
- KHGA-7
- KOCO-5
- WDSM-6
- WTVS-56

STATISTICS

CHANNEL 6 MS TVDX RECORDS

APRIL 1973

Call	Location	Miles	Dxer.	Location	Logos
WBRC-	Birmingham AL	785	Dave Nieman,	Buffalo NY	
		tie	Norm Erint,	Kenmore NY	
WDBO-	Orlando FL	1145	Bill Draeb,	Kewaunee WI	
WCFT	Tallahassee FL	995	John Cody,	Middletown CT	
WFEM-	Indianapolis IN	940	Ghislain Girard,	Arvida PQ	
WOC-	Davenport IA	725	Larry Vogt,	Springfield VA	
KTVG	Ensign KS	1635	Ghislain Girard,	Arvida PQ	
WPSD-	Paducah KY	910	John Cody,	Middletown CT	
WDSU-	New Orleans LA	1085	King Schafer,	Kenmore NY	
		tie	Richard Nieman,	Buffalo NY	
WCSH-	Portland ME	690	Roger Brown,	East Lansing MI	
KMMT	Austin MN	705	Richard Nieman,	Buffalo NY	
WDSM-	Duluth MN	1060	Clarence Day,	Westerly RI	
KMOS-	Sedalia MO	890	Tom Yingling,	Dundalk MD	
KHPL-	Hayes Center NE	965	Jim Grover,	Crossfield Alta	
WOW-	Omaha NE	1400	Carlton Howington,	Homestead FL	
WRGB	Schenectady NY	530	Roger Brown,	East Lansing MI	
WEET	Wilmington NC	1075	Edwin Shorey,	Derby KS	
WDAY-	Fargo ND	1100	Dave Egan,	Valleyfield PQ	
WTYN-	Columbus OH	795	Ed Bourgeois,	Norco LA	
KOTV	Tulsa OK	1015	King Schafer,	Kenmore NY	
		tie	Norm Erint,	Kenmore NY	
		tie	William Nieman,	Buffalo NY	
KOIN-	Portland OR	975	Bill Fulton,	Yuma AZ	
WFIL-	Philadelphia PA	1090	Ed Bourgeois,	Norco LA	
WTEV	Providence RI	675	Roger Brown,	East Lansing MI	
WJBF	Augusta GA (SC)	1170	Ghislain Girard,	Arvida PQ	
KPLO-	Reliance SD	600	Glen Neal,	Sayre OK	
WATE-	Knowville TN	550	Richard Nieman,	Buffalo NY	
		tie	David Nieman,	Buffalo NY	
KFDM-	Beaumont TX	1050	Bill Draeb,	Kewaunee WI	
KRIS-	Corpus Christi TX	1160	Don Ruland,	Kenosha WI	
KCEN-	Temple TX	1220	Robert Williams,	Twin Falls ID	
KCMC-	Texasarkana TX	1005	Robert Seybold,	Dunkirk NY	
WTVR	Richmond VA	705	Bill Draeb,	Kewaunee WI	
WHIS-	Bluefield WV (VA)	1025	Glen Neal,	Sayre OK	
WITI-	Milwaukee WI	695	Dave Egan,	Valleyfield PQ	

These and dozens of other ch 6 stations have NEVER been reported by MS, to the best of our knowledge!



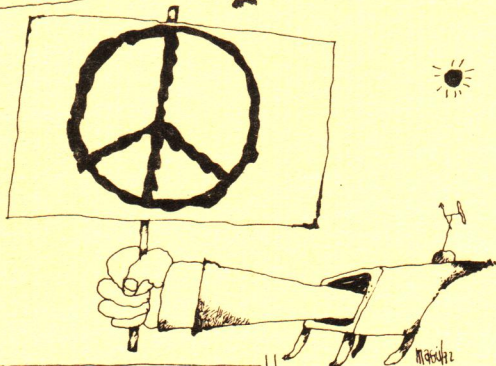
107 MHZ FM DX RECORDS

MHz	Prop	Call	Location	Miles	Dxer.	Location
107.1	Es	WOCO-	Oconto WI	1230	Glenn Hauser,	Von Ormy TX
	Tr	KASI-	Anes IA	630	Carlton Howington,	Uniontown OH
107.3	Es	WHYD-	Columbus GA	1395	Fred McCormack,	Des Lacs ND
	Tr	WANS-	Anderson SC	1000	Glenn Hauser,	Von Ormy TX
	Au	WEOL-	Elyria OH	610	John Ebeling,	Bloomington MN
107.5	Es	WBYO	Boyertown PA	1500	Glenn Hauser,	Von Ormy TX
	Tr	WBOW-	Terre Haute IN	660	Richard Wood,	Baton Rouge LA
	Au	WCCN-	Neillsville WI	580	Fred McCormack,	Des Lacs ND
107.7	Es	WBIV	Wethersfield NY	1450	Pat Dyer,	San Antonio TX
	Tr	WENN-	Birmingham AL	755	Glenn Hauser,	Von Ormy TX
	Au	KICD-	Spencer IA	470	Fred McCormack,	Des Lacs ND
107.9	Es	KXOA	Sacramento CA	1285	Glenn Hauser,	Enid OK
	Tr	WIRK-	West Palm Beach FL	1150	Glenn Hauser,	Von Ormy TX
	MS	WBT-	Charlotte NC	950	Glenn Hauser,	Enid OK
	Au	WOBT-	Rhineland WI	600	Fred McCormack,	Des Lacs ND

This concludes our first run thru the FM band; we start again at 88 in a couple months. Contributors of 107 MHz candidates: Brown, Collins, Dornier, Dyer, Ebeling, Elving, Fela, Hauser, Hobday, Howington, LeBlanc, McCormack, Merrill, Ossowski, Sawatzky, Smith, Vogt, Wood, Yingling. **Thanks** to you and several others who reported for lower MHz.

...until the next, 73 de Glenn

ENTCM SON MUY PACÍFICOS



... Y NO SÓLO PORQUE HAYAN
ELIMINADO LA VIOLENCIA EN SU
PROGRAMACIÓN, SINO PORQUE
HASTA EL MOMENTO NO HAN

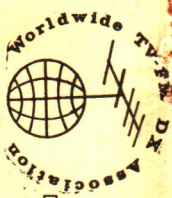
SENTIDO DESEOS DE GOLPEAR
A NADIE QUE LOS HAYA
CRITICADO FUERTEMENTE.
USTED TAMBIÉN MANDE SU
OPINIÓN, SIN TEMOR ALGUNO.

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Glenn Hauser

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The VHF-UHF DIGEST is the monthly publication of the Worldwide TV-FM DX Association. WTFDA is a nonprofit organization and a member club in the Association of North American Radio Clubs.

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