# FromTheSTAFF

W.T.F.D.A. Headquarters, P.O. Box 97, Calumet City, IL 60409

THREE CONVENTION BIDS...Before the deadline had passed, two more bids arrived at club headquarters. The bidders in alphabetical order (by city) are: DUNKIRK, NY's Bob Seybold....HUNTSVILLE, AL's, Tim McVey....ST. LOUIS, MO's, Richard Eddie. Each of the three bidders have been asked to submit in writing, a brief rundown of proposed convention activities. They will be printed in next month's V.U.D.

VOTE NOW...Now it will be up to you. Would you like to attend the 1983 WTFDA Convention? If so, please vote for the proposed site of your choice. A costcard will do fine, or a brief note-each WTFDA member is entitled to one vote. Send your card or letter to: Dave Nieman, 12284 Nice Road, Akron, NY 14001. Deadline for voting is April 15, 1983, so hurry. In order for vour vote to count, it must be in by the deadline. Please, no phone calls or telegrams! Indicate the proposed convention city of your choice on a piece of paper, or a postcard. Remember, this is not intended to be a DXer popularity contest; you are voting for the city of your choice for 1983 club convention site. Only formal bids that have been received will be considered, so if any one of the proposed hosts fails to submit his bid forms, his city will be eliminated from consideration. VOTE NOW!!!

CLUB HQ ADDRESS TO CHANGE...Starting next month, WTFDA HQ will be a Buffalo mailing address. New members and renewing members will be asked to use the Buffalo address. Since the major activity of WTFDA is publishing the VUD, we've found that this will exnedite things. Last month, we were asking you not to use the VUD's Buffalo return address for club business, but it turns out this is not such a bad idea, since the Buffalo crew needs to know about such things as address changes first, to make sure that your VUD catches up with you whenever you move. Believe us, WTFDAers move a lot!

WHERE DO D.C. FM DXers SEND THEIR REPORTS?...It seems as if the FM DXers in Washington, D.C. have been forgotten by WTFDA. This is an easy problem to solve. Looking at a map, one can easily see that D.C. is in the area covered by Danny Runtin's SOUTHERN FM DX column.

This month's cover by Bill Fahber.

# SPECIAL REPORT CHANNEL A2 F2 SKIP AGAIN!

Thursday, November 25, 1982 (CST used) Ø=169 A(Bo)=38

0933, Ch 2 to southeast, multi-path heavy and no audio moderate fading (on 50-MHz at this time some backscatter and Ecuador beacon direct)

0944, much the same; any printed supers etc. just too much ghosting to decipher. no audio (only audio came from other stations on meteor scatter bursts when they beat against the video)

1000, still holding in (changes in scenes and synchlock on the multi-path disuaded me from trying the 1/8-sec 35-mm SLR photos, but one afterwards always regrets the caution; an instant VCR would be nice at these times!)

1010, still about the same; some deep fades

1030, rapidly going (almost like dissolving)

1035, gone

1038, rapid rebound (might have been a different station)

1045, very strong now, some sort of cooking show with the host using a sifter/strainer

1051, out very fast

later events fitted the high-MUF pattern. 6-meter transcontinental F2 got shorter than Ohio-California (and 10-m signals under 900 miles in here via F2). It seems the region of high ionization drifted north-north west, perhaps even passing nearly directly over here. Vertical incidence ionosonde data from the US for this period would be interesting.

Now, a quick check will show you that this type of event presented itself November 25, 1981 ( $\emptyset$ =163, A(Bo)=19)!

Other past events like this: Apr 17, 1979 (\$\tilde{\pi} = 169\$, A(Bo) = 10)
Feb 14, 1982 (\$\tilde{\pi} = 190\$, A(Bo) = 42)
Feb 17, 1982 (\$\tilde{\pi} = 167\$, A(Bo) = 28)
Feb 18, 1982 (\$\tilde{\pi} = 170\$, A(Bo) = 18)

Still more Ch A2 F2 effects ---

December 19, 1982: (Ø=179; A(Bo)=25)

0900-0930, apparent F2 backscatter as faint CCI from 2 to 4 different stations.

This occurred at the same time 50-MHz was exhibiting extremely strong F2 backscatter from the southeast.

Direct F2 skip was as short as I've ever seen it with the Dominican Republic (1900 mi) and Costa Rica (1600 mi) in. Also, Ch Rl (49.75 MHz) video was backscattering from Eastern Europe out of the Ceribbean direction.

(England was hearing Central America direct on 50-MHz.)

<u>December</u> 20, 1982: (Ø=165; A(Bo)= 37)

0925-0933, single station running color-bar pattern; I did take a photo of this one. 50-MHz was open well into the Caribbean coastal area of South America.

PAT DYER, WASIYX 5315 SILVERTIP DRIVE SAN ANTONIO, TEXAS 78228 ELEVISION NEWS

THE FCC 1 PROPOSAL TO ALLOW FIXED AND MOBILE SERVICES TO SHARE UHF TELEVISION CHANNELS ON

A SECONDERY BASIS. The 573 Plenipotentiary Conference of the International Telecommunications Union resolved to at a World Administrative Radio Conas neceptary, the international radio regula- ing five Notices of Inquiry. The Second Noference; hould be convened in 1979 to revise. tions. 1 che ITU Plenipotentiary noted that revision f various world administrative radio since 19, the year of the last such general confere es had amended the radio regulations harmoni: T the decisions taken because of the be television channels 21-36 and 38-69. on spec cic points without having been able to limited vature of their agendas. It also noted tha fas a result of technical advances. some of the radio regulations needed reconsiderat: n.

committed, having overall management responsibilit; and four specialized functional committes were established. Also, twentytwo ind try advisory committees were created, ear representing a particular radio service in order to study spectrum requirements a ) to suggest appropriate changes to the rad " regulations.

Mean ile, the National Telecommunications and Inf. mation Administration (NTIA), which at the .me was the Office of Telecommunications P, icy under the Executive Office of the Pred dent, established a preparatory infrastru ure within the Interdepartment Radio Advisor Committee (IRAC) that was analogous ration, soordination between the FCC and the rements, seeking comments on the nature and Executis : branch took place.

In 1 75, the FCC instituted a proceeding by whic<sup>5</sup> comments and recommendations were obtained. Tom the public regarding the proposals the United States would make to the WARC. fit of nine notices of inquiry, three cellular systems). This inquiry will probabwere coe erned primarily with the development of proph sals for changes to the international Table c | Frequency Allocations.

Thret shout the preparation period, many parties representing diverse interests, contribute to the development of proposals by particia sting in the advisory committees and least in the largest markets. by respending to the Notices of Inquiry. A Report and Order was issued in 1978, containing a comprehensive set of recommended propo of which is to implement the Final Acts of sals. Spe Department of State used those recommencial proposals to develop the formal U.S. proposals that were submitted to the ITU for cordideration by the 1979 WARC.

Amor over 900 proposals submitted by the United hatates, one was to add fixed and mobile al cations to the 512-608 MHz and

614-806 mHz bands internationally. Its intent was to provide flexibility in meeting futuredomestic requirements. It was assumed that many of those requirements would consist of private land mobile telecommunications. As with most of the 900+ proposals of the United States, this was agreed on at WARC. In January, 1980, the FCC released a Public Notice that reported the general results of the 1979 WARC.

BILL FAHRER FOLTOR

336 ATLANTIC ST BRIDGETON, NJ, 08302

The FCC had prepared for national implementation of the Final Acts of WARC by issutice of Inquiry, adopted by the FCC on May 21, 1981, proposed modification of the Table of UHF frequencies listed above, which happen to

Responding to the Second Notice of Inquiry was the Land Mobile Communications Council, which favored allocation of the entire band from 470-960 MHz to land mobile as well as The LC effort in preparation for the 1979 to services already allocated on that band. WARC be n in late 1974 when an FCC steering The Council claimed that, if this action is not taken, the flexibility attained at the 1979 WARC by the international fixed and mobile allocation might be foreclosed by other uses, such as low power television. The Utilities Telecommunications Council requested an allocation of land mobile in the band from 614-806 MHz, or channels 38-69. The Association of Maximum Service Telecasters objected to these comments on the grounds that neither of the two councils made any showing that these bands were needed for land mobile use and that there is no basis for granting their request.

On January 26, 1982, the FCC instituted a Notice of Inquiry into the Matter of Future to that 1 f the FCC's. Throughout the prepa- Private Land Mobile Telecommunications Requimagnitude of those requirements and the best approach to meeting them. Various possibilities were raised including new allocations. increased sharing, introduction to new technologies, and substitution (common carrier ly result in a rulemaking. Meanwhile other bureaus and offices, such as the Office of Plans and Policy and the Office of Science and Technology, are studying the specific issue of the necessity for, and the feasibility of, land mobile and UHF TV sharing, at

> On November 18, 1982, the FCC adopted a Notice of Proposed Rule Making, the purpose the 1979 WARC into the FCC Rules and Regulations. In this notice, the FCC firmly states that it does not intend to reopen a general discussion of issues in this proceeding. Extensive analyses of various service requirements and recommended proposals occurred during the lengthy preparation process.

In this Notice of Proposed Rule Making, the FCC already decided that there will be a change in the Table of Frequency Allocations to include fixed and mobile radio with the television channels 21-36 and 38-69.

This does not necessarily mean that the FCC is going to immediately begin licensing land mobile radio in those channels. The FCC merely wanted the flexibility provided by the 1979 WARC so that it would have that option in the future without having to wait for another WARC to be convened. What the FCC does request in the Notice of Proposed Rule Making is comments on its proposal to give land mobile radio a secondary status in that band. It is still not yet determined whether or not the idea of shared allocations is feasible in the first place. In UHF channels 14-21, there are certain channel assignments set aside in a few major cities for land mobile, which broadcast stations must protect from interference. The FCC's plan to put land mobile on a secondary status in the upper UHF channels will thus put it on an equal level with low power and translator stations.

Of the large number of proposals in this Notice of Proposed Rule Making, this issue alone has aroused controversy, not only with the television industry, but within the doors of the FCC itself. Of the seven commissioners. three have voiced dissent over the proposal to give mobile and fixed services a secondary allocation. Commissioner Henry M. Rivera published his statement, in which commissioner Joseph R. Fogarty joins, "I dissent to the majority's decision to solicit comments on the feasibility of a secondary allocation for mobile and fixed services in the 502-608 MHz and 614-806 MHz bands, and to its proposed secondary allocation for mobile satellites in the mobile height of irresponsible spectrum management.

"With respect to the first proposal, absolutely nothing compels the Commission to address the issue of mobile-broadcast sharing in the UHF band at this time. The majority's argument that a proposal to allow secondary mobile and fixed operations in the UHF band is necessary now to preserve the Commission's flexibility in domestic allocation matters is sheer sophistry. Our flexibility interests were amply preserved by the WARC Final Acts which sanction mobile sharing in the international allocations table. Deferring consideration of this issue now would in no way constrain the Commission's flexibility. Once a record is developed supporting the concept of sharing between these services, and indicating how and where that sharing should take place, we could promptly proceed to amend the domestic allocations table and corresponding service rules accordingly.

"We are in the midst of developing a record on the nature of future land mobile needs. Ambitious internal studies are under way in at least two offices - - the Office of Science and Technology and the Office of Plans and Policy- - addressing how best to

meet those needs. At this juncture, these are entirely open questions. Until this pending work is concluded, the Commission has absolutely no basis for proposing mobilebroadcast sharing in the top urban markets (where industry's need is said to be most acute), let alone on a nationwide scale.

"The proposed allocation is objectionable not only because it unnecessarily prejudges the outcome of pending efforts, but because it will send debilitating tremors throughout the nascent low power community. LPTV is a designated secondary user in the UHF band, and a vast majority of the thousands of pending low power applications propose to operate there. Most of these applications are probably years away from grant because of the sizeable backlog, the number of mutually exclusive applications, and FCC staff limitations. As a practical matter, if the proposed secondary land mobile allocation is adopted and the service rules appropriately conformed. land mobile applications will flood the Commission and be approved before we can ever act on many LPTV applications. Preemptive land mobile competition for spectrum in the urban markets will be especially acute. Once the land mobile applications are granted, pending LPTV applications for the same spectrum will be foreclosed. This sabotage of the new LPTV service and its public interest benefits of enhanced media ownership and programming diversity should not be tolerated, let alone encouraged in the back-door manner of the majority's allocation proposal."

Commissioner James H. Quello issued his own statement of dissent with the majority's decision: "The United States proposed that the 1979 World Administrative Radio Conference (WARC) add fixed and mobile radio allocations to the band now occupied domestically by the UHF television service. The rationals for the reserved bands. These actions represent the U.S. position was that flexibility was desirable in this band, insofar as the international tables are concerned, so that we would have an additional option to be considered at some future date should a need be demonstrated for additional fixed and land mobile radio spectrum. The WARC adopted the U.S. proposal. and we now have the flexibility that we sought.

"In the Notice of Proposed Rule Making adopted by the Commission today, the majority seeks to go a step further, and actually provide for fixed and land mobile use of this band (1) without having established a need, (2) without due consideration of alternatives in the event a need is established, and (3) without having established that sharing the band by UHF television and fixed and land mobile radio is feasible. This action is being taken while thousands of Low Power Television (LPTV) applications are pending before the Commission. many of which are likely to remain in pending status for some time to

"Much has been made of the proposal that fixed and land mobile radio would be given a 'secondary' status in the band. It must be noted, however, that LPTV is also a secondary service. Thus, under the majority proposal,

both LPTV and fixed and mobile radio services would have co-equal status and would be assigned according to a first-come, firstserved rationale.

"It goes without saying that, once the. spectrum in the UHF television band is made available, establishment of a 'need' by fixed and land mobile radio interests will not be far behind. I submit, however, that this approach to 'spectrum management' is hardly the reasoned process which the American people have a right to expect. It has all of the sophistication of an Oklahoma land rush where the fastest horses often determined the outcome. The plodding comparative hearing 'horse' which the broadcast services are forced to ride is clearly no match for the high-speed assignment processes of Private Radio Services. Even given the problematical implementation of the Commission's new-found lottery authority, the process is likely to still suffer from protracted delays.

"Samuel Taylor Coleridge once wrote: 'The juggle of sophistry consists, for the most part, in using a word in one sense in the premises, and in another sense in the conclusion.

"I'm concerned that the word, in this instance, is 'need.'

"Therefore, to that portion of the Notice of Proposed Rulemaking which refers to adding fixed and mobile radio assignments to the UHF television band. I most emphatically dissent."

RETROSPECT: TELEVISION DX. WHEN IT WAS THE ONLY WAY TO WATCH TELEVISION.

Here you are in Bakersfield, California, looking forward to the day your home town will get its very own television station. But then the meanies at the FCC come along and impose that awful freeze on television, and the nearest television station is in Los Angeles, about 120 miles away. What to do?

You get on your telephone and call Television Engineering Company and make an appointment. A few evenings later, they pull up to your house in a wood-paneled station wagon, pulling a trailer with a hydrolically operated antenna tower mounted near the trailer hitch. They introduce themselves to you and invite you into the trailer, which is heated during the winter and air-conditioned in the summer. The interior looks like a makeshift living room, with wall-towall carpeting. Venetian blinds, chairs. and indirect lighting. Oh yes, and a television set.

The trailer is leveled with a hydraulic jack. and an extension cord is reached out to a socket inside your house. You are seated before the television and watching a snowy picture with a faint trace of the Los Angeles station. But as the tower is raised into the air with a television antenna on it. the picture becomes much clearer. The tower is raised as high as 75 feet, and the antenna is rotated until the picture is at its clearest. A few other Los Angeles channels are but not as good as the previous year. 8:00 checked as the tower is adjusted and the antenna is rotated. Once the proper height and direction are attained, you watch the

television and judge for yourself whether or not the picture quality is worth investing in a television and antenna. The demonstration cost only five dollars, and you are under no commitment to purchase a television. but you have the option. And should you later decide to go for television, the Television Engineering Company have notes from the project to tell them how to install the antenna and point it in the right direction.

The appliance dealers in the United States wanted to sell television sets. But in many places in the country they had to help the citizens to be able to receive television signals before they could sell the sets. That's why Robert J. Tarlton invented cable television. That's why Television Engineering Company developed the sophisticated tower-mounted trailer. That's why one appliance dealer in a certain town in Iowa began to tinker with television DX while the other appliance dealers didn't think it worth the effort.

When a television station began to broadcast from over a hundred miles away, nobody gave it any thought except for the people at this one appliance store. Because pretty soon another television station was to go on the air from a much nearer location. This one store tried everything it could to get in that one distant station, and had pretty good success most of the time. The workers there not only gained a lot of practical experience but also a lot of good publicity, and came to be known as the "television store." even when there wasn't any television to be watched. When the closer station went on the air, most everybody went to "the television store" to get their television and antenna setup.

Howard McKee and Lawrence Pickerel both worked at that store at the time. but they later moved out to Longmont, Colorado, where they opened up McKee's Modern Home Center right on Main Street. But this time the nearest television station was WOW-TV, channel six in Omaha, Nebraska, over five hundred miles away. And with the "freeze" still on, there isn't going to be anything closer for quite some time. But after the success of that appliance store in that Iowa town, they decided to do it again.

In the spring of 1950, they started receiving television stations. Not just Omaha, but also Chicago, Nashville, Memphis, Dallas, Houston, Louisville, Atlanta, Birmingham, Charlotte, Greensboro, Hollywood, San Francisco, Seattle, and many other stations. It seemed as if nearly every station up to channel six would pop in on occasions.

Pickerel noted that reception seemed to correspond roughly to the short skip season on the ten-meter band. As spring went on, stations would come in with greater regularity. In 1950, the best times were around noon, around 5:00-6:00 p.m., then again from 8:30 p.m. and on into the evening. In the spring of 1951. reception started up again, a.m. and early afternoon were the best times, with no late evening reception. Even though the antenna was cut for channel six, most of

stations Pickerel logged were on channel 4, with good results on channels 2 and 5, also. The most frequent station was KPRC, channel 2 in Houston (previously KLEE-TV).

This freak reception was being discovered in other areas, also. Burns J. Tobias of Millersburg, PA, noticed it. With a 19" DuMont receiver, two boosters, and a threesection antenna, cut for channels 4, 6, and highband VHF. with a rotor and mounted 75 feet above the ground, he could get in some weak signals from Baltimore at 80 miles away, Philadelphia at 100 miles away, New York City 63 1000 458 IN; Bloomington; Local Majority at 165 miles away, and even Buffalo at 196 miles away. But then on certain occasions he also received WOI-TV, channel 4 in Ames, IA at 882 miles. WDAF, channel 4 in Kansas City at 956 miles. KOTV, channel 6 in Tulsa at 1059 miles, WTVJ, channel 4 in Miami at 1127 miles. WKY-TV, channel 4 in Oklahoma City at 1157 miles. KLEE-TV, channel 2 in Houston at 1408 miles, and WOAI, channel 4 in San Antonio at 1555 miles. WKY in Oklahoma City was the station most often received.

But while this freak reception was taking many by surprise, others knew what was behind it. Bob Seybold of Dunkirk, New York, when he first saw freak television reception in the spring of 1950, recognized it right away as sporadic E-skip. WMBR, channel 4 in Jacksonville, Florida, prepared a QSL letter in 1950, explaining that reception reports were coming in from South Dakota, Minnesota, Wisconsin, Michigan, Illinois, Iowa, New York, Massachusetts, Canada, Missouri, Georgia, South Carolina, Nebraska, Maine, Connecticut, New Hampshire, New Jersey, Kentucky, Texas, and Arkansas. The letter states, "Many viewers have inquired as to why they are receiving long-distance television. This is due to 30 3258 1075 TN; Nashville; Television Corp of sporadic skip distances caused by weather conditions, climate, temperature, etc."

NEXT MONTH: EARLY YEARS OF TX DX (CONT'D).

APPLICATIONS FOR NEW BROADCAST TV STATIONS CH ERP HAAT STATE/CITY/APPLICANT

25 2786 2510 CA; Watsonville' California Community TV Network

26 1000 573 CO; Pueblo; Arapahoe Silent Majority, Inc.

3 100 1125 HI: Lihue: Arapahoe Silent Majority. Inc.

28 2000 301 IA; Cedar Rapids; Stanley Emert 43 1995 288 KS; Topeka; Arapahoe Silent Majority, Inc.

21 1000 594 MN; Duluth; Stanley G. Emert Jr.

17 912 331 AL; Tuscaloosa; Local Majority Television

300 701 ND; Jamestown; Jamestown College ty for ETV 30 124 791 UT; Ogden; Ogden Television, Inc 27 1240 2049 VA; Roanoke; Roanoke Christian

Broadcasting, Inc. 46 84.9 2304 AZ; Green Valley; Green Valley Television, Inc.

62 1995 1009 NC; Asheville; Local Majority Television

30 1950 119 TX; Odessa; Local Majority Tel. 23 1000 1062 CA; Arcata; Women's Broadcasting of Arcata

49 933 315 IL; Springfield; American Cellular Systems, Inc.

41 1139 1285 KY; Louisville; Louisville Family Television, Limited 50 999 349 NY; Watertown; Women's Broadcasting of Watertown 24 3390 1610 SC; Charleston; Charleston Community Television, Limited 34 4498 366 TX; Beaumont; Women's Broadcasting of Beaumont 46 360 1477 AZ: Green Valley: Skyline Communications Group 43 1000 427 AR; Mountain Home; Baxter Bc'g 14 86.1 884 GA; Rome; Rome Television, Inc. 33 1000 257 KS; Wichita; Local Majority Tel'n 58 1836 450 MS; Vineyard Haven; Katy Communications. Inc. 16 665 537 NE: Scottsbluff: Dakota Bc'g Co. 36 1260 1452 NC; Roanoke Rapids; Univ. of N.C. 64 1000 1277 PA; Scranton; Local Majority Tel. 27 1000 1301 WA: Wenatchee: Stanley G. Emert Jr. (Note of interest: There are six applications listed for Local Majority Television, which is entirely owned by Millard V. Oakley, owner of LPTV station WO7BM in Cookeville, TN. The applications in IN, KS, and PA call for 1000 kw ERP exactly, with aural ERP exactly 100 kw or 10%. The AL, NC, and TX applications have ERP figures going into decimals, which I rounded off, but have aural power as only 1%, des-

CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS 49 5000 435 WI; Racine; Racine Telecasting Co 27 1242 2049 VA; Roanoke; Roanoke Christian Broadcasting 7 180 809 MT: Bozeman: Bee Broadcasting

pite the fact that the FCC limits aural ERP to

between 10 and 20% of visual ERP.)

20 5000 1731 NC; Lexington; Koinonia Broadc'g. 20 102 822 PR; Ponce; Interamerican Broadc Tennessee

18 789 782 MS; Laurel; Capitol Broadcasting 4 100 748 KS; Colby; Sam A. Lunsway 51 712 135 NE; Lincoln; Payvision Communic;

APPLICATIONS FOR NEW STATIONS DISMISSED • VI; Charlotte Amalie: channel 3: Consumer Educational Research and Development TV Center • FL; Fort Walton Beach; channel 35; Ro-Mar Communications, Inc. (application returned by the FCC.)

• PR; San Juan; channel 74; Consumer Educational Research and Development TV Center (application returned by the FCC).

• FL: Lakeland: channel 32: Lakeland Telecasters, Inc. (which merged with Public Interest 16 1000 265 MO; St. Joseph; Stanley Emert Jr Corporation, whose application now reads, "Lakeland Public Interest Corporation").

KY; Lexington; channel 62; Kentucky Authori-

MT: Bozeman; channel 7; Edward M. Johnson; New West Broadcasting Company, Inc.

• TX; Laredo; channel 27; Carlos Ortiz; Tierra del Sol Broadcasting Corporation

TX; McAllen; channel 48; Carlos Ortiz; Tele-Imagen

PR; Ponce; channel 20; Amilar Gandia

• TX; San Antonio; channel 29; Christian Tele-Communications, Inc.; Misiones De Bejar Television Company; United Television Broadcasting Corporation.

● VA: Roanoke: channel 27: Western Virginia Telecasting Company OR; Portland; channel 40; Allied Broadcasting Corporation WI: Madison; channel 47; Madison Independent WWIA-TV 42 PR San German; Gos Broadcasting Television, Inc. TN; Nashville: channel 30; Music City Thirty WMTJ 40 PR Fajardo; Ana G. Mendez Educa-Inc.; Nash Broadcasting, Inc.; Page Broadcasting Corporation: Satellite Broadcasting Systems. Inc. APPLICATIONS TO MODIFY CONSTRUCTION PERMITS CH EPP HAAT STATE/CITY/APPLICANT 64 191 640 DE Seaford; WDPB (Don't get excited; they're only substituting a little more power for a little less antenna height and moving the transmitter from Sharptown, MD, to Seaford, DE) WXFL 52 264 674 OH Sandusky; WGGN-TV (on the air) 65 2840 2710 CA San Jose; KLXV 20 630 -120 HI Honolulu; KHAI-TV 49 3475 1476 KS Topeka: KLDH 16 n.c. 1772 AR Little Rock; KLRT 40 n.c. 880 FL Talahassee: WTWC-TV 19 2685 1288 TX Nacogdoches; KDOG 16 718 482 FL Key West: WTKW CONSTRUCTION PERMIT MODIFICATION GRANTED 26 2000 1555 IL Chicago; WCIU-TV (on the air) 43 2298 510 CT Bridgeport; WBCT 49 3475 1476 KS Topeka KDLH (That was fast!) 47 1197 1400 OK Tulsa; KBJH APPLICATIONS TO CHANGE EXISTING FACILITIES 46 2170 3040 CA Guasti: KBSA-TV (off the air) 11 50.7 n.c. AK Anchorage; KTVA 38 2153 n.c. IN Terre Haute: WBAK-TV CHANGES IN EXISTING FACILITIES GRANTED 18 398 n.c. AL Dothan: WDHN-TV 8 n.c. 1758 AZ Phoenix; KAET 11 175 45 HI Honolulu: KHET 2 n.c. 1688 LA Baton Rouge: WBRZ 11 316 993 NH Durham; WENH-TV 8 316 n.c. NE Albion: KCNA-TV 13 316 n.c. NE Kearney: KGHI-TV 46 500 1230 NY Binghamton; WSKG-TV APPLICATIONS FOR CALL LETTERS: NEW STATIONS CH STATE/CITY/APPLICANT C.L. WDBD WTXT 54 AL Huntsville: Community Service Broadcasting WDKY-TV 56 KY Danville; Robert L. Bertram KSDT KBBM-TV 36 MO Jefferson City; Public Televis- ton, Norfolk, Portsmouth, and Newport News ion Network of Missouri APPLICATIONS FOR CALL LETTERS: CHANGE EXISTING 40 AR Fort Smith: KFPW-TV WGRZ-TV 2 NY Buffalo; WGR-TV KLST 8 AK Juneau; KINY-TV 26 TX El Paso KEHB-TV KJUD 8 AK Juneau; KINY-TV WSBN-TV 47 VA Norton; WSVN-TV WDLI 17 OH Canton: WJAN 43 PA York: WSBA-TV 49 WA Vancouver; KLRK

April. 1983 CALL LETTERS ASSIGNED: NEW STATIONS KWHP 14 ID Boise; Sterling Associates Ltd WNKJ-TV 51 KY Hopkinsville: Doxa Communic'ns KCKU 14 TX Tyler; Sunrise Broadcasting, Inc KRCB-TV 22 CA Cotati; Rural California Bc g tional Foundation WBFS-TV 33 FL Miami; Miami STV. Inc. WIIM-TV 8 MI Iron Mountain; John R. Powley 21 TX Nederland; Texas Gulf Communications. Inc. WLCT 26 CT New London: CTV of Connecticut WNOL-TV 38 LA New Orleans; Cypress Broadcasting Limited Partnership 18 PR San Juan; Three Star Telecast CALL LETTERS ASSIGNED: CHANGE EXISTING 8 FL Tampa; WFLA-TV ADDITIONAL CITY IDENTIFICATIONS GRANTED • KOOD, channel 9 in Hays, Kansas, to identify as Hays-Russell-Great Bend WCKT, channel 7 in Miami, Florida, to identify as Miami-Fort Lauterdale KLRK-TV (proposing to change call letters to KPDX), in Vancouver, Washington, to identify as Vancouver-Portland WNDS, channel 50 in Derry, New Hampshire, to identify as Derry-Nashua-Manchester (which originally applied to identify as Nashua-Derry, putting its city of license second) CHANGES IN THE TABLE OF CHANNEL ASSIGNMENTS • Crockett, TX; add 40z • High Springs, FL; add 53+ • Lake Dallas, TX; add 55z • Pontiac, IL; add 53z (Site restriction 12.2 miles southwest of Pontiac to avoid short-spacing with vacant channel 54 in Kankakee, IL and channel 58 in Danville, IL. The applicant, Livingston County Broadcasters, originally applied to delete channel 35 from La Salle, IL, and reallocate it to Pontiac, stating that there had been no interest by anybody in applying for that channel. But there are now two competing applicants for that channel.) Eastern Virginia area: Hampton, VA assignments 13-, \*15z, are consolidated with the 40 MS Jackson: Jackson Family Telev'n Norfolk-Portsmouth-Newport News assignments 3+, 10+, 27z, 33z, 49-, \*55+. WVEC-TV, channel 13 in Hampton, Virginia, applied for the consolidation, asserting that, due to close 69 CA San Diego; San Diego Television geographical proximity, the cities of Hamphave become a cohesive metropolitan area with widespread communities of interest. sharing many government services, common resources, and cultural interests. The owners of WTVZ. channel 33 in Norfolk, and the law firm of Paul, Hastings, Janofsky, & Walker both made a further application to include Virginia Beach, which is assigned channel 43+ as of last year, into the consolidated market. noting that Virginia Beach is the largest and fastest growing Tidewater community. This proposal was rejected by the FCC. There are three situations where a hyphenated television market is used in the table of assign-

ments. Firstly, hyphenation of a television

market is an assignment tool used by the FCC when it is best to postpone until the application stage any unresolved or close questions as to which community should use the assignment. Second, hyphenation is proper upon a showing that a station licensed to a small community is likely to fail unless it is able to apply for authority to operate from a larger community. Third, hyphenation is appropriate where it appears that the communities should be treated as one community by reason of their proximity and common social, cultural, trade and economic interests. The proposal of WVEC-TV appears to fall within this third category. The proposals to include Virginia Beach do not appear to meet any of the three criteria to justify its inclusion into the hyphenated market.

■ WVCY, channel 30, Milwaukee, Wisconsin, be-

STATIONS ON THE AIR

and 550 kw horizontal; circular polarization. 960' HAAT; 1089' AG; 1747' ASL. Transmitter at 3950 North Holton Street, Milwaukee; coordinates 43005'15"; 87054'12" (same tower as WCGV-TV, channel 24). Address: Wisconsin Voice of Christian Youth, Inc.; 2712 W. Vliet sideration on 1/19/1982 with regard to that Street, Milwaukee, WI, 53208. KVNJ-TV, channel 15, Fargo, North Dakota, began 2/14/1983. Original construction permit has 2.3 kw ERP visual; 117' AAT, 120' AG, 1030' ASL, but a recent request for modification of its construction permit has another antenna location a few hundred feet away. Unlike the other Fargo stations which operate at or near maximum allowable power with transmitters several miles west or northwest of Fargo, KVNJ-TV is a very weak station and has its transmitter within city limits to keep a city grade contour over the entire city limits. The application to modify its construction permit calls for the transmitter to be at 9th Street, south of Main Avenue; coordinates 46°52'27"; 96°47'32". Address: Fargo Broadcasting Company, Inc., 824 Main Avenue, Fargo, ND, 58103. WYCC, channel 20, Chicago, Illinois, began 2/17/1983. 2421 kw maximum ERP visual; 1081 kw horizontal, circular polarization. 1239 HAAT, 1456' AG, 2049' ASL. Transmitter is located atop the John Hancock Center, 875 N. Michigan Avenue in Chicago, coordinates 41053'55.5": 87037'23". Address: Board of Trustees of Community College District No. 508: 1750 S. Pulaski, Chicago, IL, 60652.

#### SUBSCRIPTION TELEVISION:

1981

WCME from 9/20/65 to 4/25/76.

Two applications for STV, also applicants for channel 38 in Mount Clemens, Michigan, were dismissed: APW Enterprises and Southeast Specifies Toa Baja as its proposed community Michigan Television Corporation.

Educational station, formerly on the air as

KWWY, channel 13, Rock Springs, Wyoming,

1/27/1983. KTUX went off the air in April.

formerly KTUX, is back on the air as of

WTVE, channel 51 in Reading, PA, has been operating STV in February, if not earlier. Selec-TV service is used, with programming

simultaneous with WWSG-TV, channel 57 in Philadelphia, PA. Scrambling seems to be similar to that used by WWHT, WSNL, and WRBV, the Wometco stations.

WOTV, channel 68 in Boston, Massachusetts. will be dropping out of STV soon. See notes under FORUM.

CONSOLIDATED HEARINGS

 Sacramento, California: channel 29: Sacramento Television Associates: Capiton Hispanic Broadcasters, Inc.: Do Decca Ecktron Corporation; Royce International Broadcasting Company (proposing Citrus Heights as city of license); Michael L. Parker; Detta Broadcasting Company, Inc.; Ponce-Nicasio Broadcasting; El Dorado Television Company: Alden Communications Corporation: Sacramento Entertainment Television Corporation; Channel 29 Investors. Koplar Communications of California, owner of KRBK-TV, channel 31 in Sacramento, opposed the gan January 11, 1983. 1070 kw Max ERP visual original petition to allocate channel 29 to Sacramento back in 1980, also opposed the FCC Notice of Proposed Rule Making on the allocation, opposed the FCC Report and Order which substituted channel 29 for channel 15, and filed a petition for certification and reconreport and order. This petition is still pending. Koplar also petitioned the FCC to return all of the above applications as unacceptable for filing. Koplar basis its opposition on the fact that channel 29 and 31 are only two channels apart, yet assigned to the same city.

Las Cruces, New Mexico; channel 48; Dona Ana County Television; Las Cruces Family Television; KASK, Inc.

Abilene, Texas; channel 15; Lea County Televivion, Inc.; Helen Oman; TV Tech Systems, Inc. Hot Springs, Arkansas; channel 26; Razorback TV Broadcasting (2884 kw ERP); Edward M. Johnson (662 kw ERP). Because of the significant difference in proposed coverage area and population to be served, this will be one of the

issues in the hearing. Anacortes, Washington; channel 24; Sterling Associates, Ltd. (3548 kw ERP); Vanwash Communications Group (4000 kw ERP); Paul M. Crawford, S. Eberhardt et al. (specified Mount Vernon as proposed community of license; 3631 kw ERP); Roy W. Mayhugh (600 kw ERP); Mount Baker Broadcasting Company, Inc. (4266 kw ERP) Except for Roy W. Mayhugh, all the applicants propose more than 1000 kw within 250 miles of the Canadian border, which requires Canadian concurrence. So far only Crawford et als has obtained that concurrence. Because of the difference in area of coverage and population to be served between Mayhugh and the others. this will also be a factor to be considered. Vega Baha, Puerto Rico; channel 64; Art Broadcasting Corporation (which specifies Naranjito as proposed community of license); Freddie Gauthier Broadcasting Company (which of license). Ch. 64 is assigned to Vega Baja Carolina, Puerto Rico; channel 52; Carlos Ortiz; Radio Vida, Inc. Ortiz submitted, as part of his application, a copy of a letter

from Amvest Leasing and Capital Corporation, promising financing for broadcast equipment. But it was discovered that he used the same letter in three other applications. The letter was originally intended for the application for McAllen, Texas. His conduct has raised a question on his character qualifications, one factor considered in consolidated hearings.

#### RESULTS OF CONSOLIDATED HEARINGS

Chico, California; channel 24; construction permit was granted to Superior Broadcasting of California; application by Far West Broadcasting Company was dismissed.

Ponce, Puerto Rico; channel 20; construction permit granted to Interamerican Broadcasting Company; application by Amilcar Gandia was dismissed.

#### DIRECT BROADCAST SATELLITE UPDATE

As reported before, the National Association of Broadcasters is fighting DBS all the way. Not only is it opposing the FCC's right to establish DBS as a nationwide service, but is opposing the FCC grant of a construction permit to Satellite Television Corporation, the first applicant for DBS. When the FCC rejected NAB's petition, NAB went to the U.S. Court of Appeals in Washington. But that court also rejected NAB's petition.

United Satellite Television Corporation, a later entry into DBS, is trying to beat STC asthe first DBS on the air. But to do so, it plans to start out using Canada's Anic-C2 satellite, scheduled for launch this spring, using a frequency outside the band set aside for DBS, with a signal weaker than the proposed DBS satellites. USTC changed its name to United Satellite Communications, Inc., was given a promise of a huge sum from Prudential Insurance Company of America, and hired General Instrument Corporation to construct earth stations and decoders. So it looks as if one company is well on its way.

#### RENEWAL OF KEET IN LOS ANGELES

Several months ago I reported on the situation in Los Angeles. A group of hearing impaired residents of Los Angeles petitioned the FCC to deny the license renewals of every television station in the city because they failed to carry enough closed-captioned or open-captioned programs. They cited section 504 of the Rehabilitation Act of 1973, which forbids discrimination against the handicapped by those receiving federal funds to single out educational station KCET. as well as the commercial stations. The FCC rejected arguements with regard to the commercial stations, and left it in the hands of the Department of Education to determine whether or APPLICATIONS FOR NEW TRANSMITTERS not KCET is in violation of the Act. The Department of Education is the agency redponsible for enforcement of the Act, not the FCC. When the group of hearing-impaired residents took the case to the U.S. Court of Appeals in Washington, the court affirmed the FCC's renewal of the commercial stations, but CHANGES REQUESTED insisted that educational stations should be than commercial stations, and that the FCC

should look into KCET's efforts to ascertain community needs before renewing its license. But the Supreme Court recently decided that there is nothing in the Rehabilitation Act to require the FCC to urge broadcasters to put more effort into offering captioned programs.

#### CANADIAN NOTES FROM WALTER PATTON

NEW TRANSMITTERS GIVEN APPROVAL CH ERP CITY/PROVINCE/PRIMARY STATION 40 0.100 Daysland, Alta; CBXT, Edmonton (CBC) 52 28.46 Forestburg, Alta; CBXT, Edmonton 16 2.300 Nipigon, Ont; CKPR, Thunder Bay (CBC) 55 3.170 Bolton Est, Que; CBMT, Montreal (CBC) 44 1.580 Stoneham, Que; CBVT. Quebec (SRC)

#### CHANNEL CHANGE

CBJT-TV-2, Shalalth, BC, from ch. 5 to ch.7

CHANGE IN TRANSMITTER POWER

CBWFT-9, ch. 6, Dryden, Ont: 10 kw to 11.3 kw CBVT, ch. 11, Quebec, Que: 173 kw to 252 kw CHAN, ch. 8, Vancouver, BC: 164 kw to 97.5 kw: transmitter from Burnaby Mountain to Mt. Seymour. Walter adds, "Had applied for 127 kw but FCC objected. Can't have those folks in Washington state watching Canadian TV. --That's an attempt at humor, not political commentary." A few days after I received the information from Walter, the United States labeled some Canadian films as "propaganda."

CHANGE IN PRIMARY STATION: The following stations changed their primary from CBIT, ch. 5 in Sydney, to CBHT, ch. 3 in Halifax. CH STATION CITY/PROVINCE

2 CBIT-9 Aspen, Nova Scotia

5 CBIT-13 Blue Mountain, Nova Scotia

7 CBIT-14 Garden of Eden. Nova Scotia 6 CBIT-10 Country Harbour, Nova Scotia

5 CBIT-8 Goshen, Nova Scotia

33 CBIT-7 Lochabar, Nova Scotia 12 CBIT-1 Mulgrade, Nova Scotia

4 CBIT-11 Sherbrooke, Nova Scotia 6 CBIT-12 Sunnybrae, Nova Scotia

#### CHANGE IN CALL LETTERS

CH NEW CALL CITY/PROVINCE/FORMER LETTERS 10 CITO-TV-4 Kapuskaking, Ontarip; CKSO-TV-4 11 CITO-TV-3 Kearns-Kirkland Lake, Ontario; CKSO-TV-3

5 CICI-TV Sudbury, Ontario; CKSO-TV 3 CITO-TV-2 Timmins, Ontario; CKSO-TV-2

#### NEW CALL LETTERS

16 CBCE-TV Little Current, Ontario 26 CBLFT-27 Mattawa, Ontario

9 CBFQ-TV Fort Chimo-Kuujjuak, Quebec

Fort Chimo-Kuujjuak, Quebec 12 CBMQ-TV St. Edward-St. Louis, Prince 9 CBAFT-6

Edward Island

CH ERP CITY/PROVINCE/PRIMARY/NETWORK 13 24.90 Huntsville, Ontario; CICA, Toronto;

51 60.00 Penetanguishene, Ontario; CICA 42 0.830 Ayers Cliff, Quebec; CBMT, Montreal

TVO

CBLFT, ch. 25, Toronto, Ont: 2.14 kw to 1.827 kw held to a stricter "public interest" standard CIVV-TV, ch. 8, Chicoutimi, Que: 143.7 kw to 1418 CKRS-TV, ch 12, Jonquiere, Que: 208 kw to 137.3k

MORE CANADIAN NOTES FROM WALTER PATTON CANCOM has applied to distribute by satel- Phillipsburg. lite the following signals in addition to those already authorized: (all Detroit) WJBK-TV, ch.2; WDIV, ch. 4; WXYZ-TV, ch. 7; and WTVS, ch. 56.

Another company, NORCOM, wishes to supply satellite service for CKND-TV, ch. 9 in Winnipeg, Manitoba; CKY-TV, ch. 7 in Winnipeg; KAWE, ch. 9 in Bemidji, Minnesota; WDAZ-TV, ch. 8 in Devils Lake, North Dakota; KXJB-TV, ch. 4 in Valley City, North Dakota; and KTHI-TV, channel 11 in Fargo, North Dakota.

Consideration is being given to allowing distribution in Canada by cable companies of non-pay services available off U.S. satellites. These would probably be used in over-the-air transmission in communities instead of cable.

Because of lack of funds CBC stations are signing off at midnight Sunday through Thursday. That they can't make money showing an old movie says a lot about their efficiency.

It is interesting to note that even those professionally involved are starting to have The station is affiliated with the Internatrouble knowing when the satellite rebroadcast service is using a frequency; viz those three misfires for CICA rebroadcasters in Ontario. In fact if that new channel 11 is granted at International Falls MN most of those southwestern Ontario rebroadcasters are going to be up a creek.

The CRTC will now accept applications for point-to-point service within the TV broadcast band, in areas where no heavy demand for channels is anticipated, as a tertiary service (you can't get much lower priority than that), of multiple TV signals for cable tion, pay-TV, etc. They warn that UHF frequencies are the safest way to go.

#### SPOTLIGHT ON NEW TELEVISION STATIONS

new stations, requesting information about them. Unfortunately, I get little response. But one station that did respond this month is KOOD, channel 9 in Bunker Hill, Kansas, operated by Smoky Hills Public TV Corp. Smoky Hills PTV was incorporated 3/10/78 under the auspices of the Kansas Public Television Board. The proposed station was to be licensed on channel 14 as part of a ten-year plan to extend public television to unserved areas of Kansas. The plan originally called forseven television stations, but economic and political conditions caused those plans to be changed.

Smoky Hills petitioned the FCC to rule in favor of channel 9 instead of 14 because of the lower cost of VHF operation.

On 7/1/1981. Smoky Hills purchased an old grocery store and renovated it for offices and studios. The tower site in South Russell County was purchased in late spring of 1981, and the 1.119-foot-tall tower was built. The power output at the antenna is 316 kw. KOOD will be rebroadcast by a translator on channel 69 in Hoxie. Other

translators are planned for Concordia and

KOOD is the only Public Station in Kansas providing instructional service to participaing school districts. KOOD has provided Intructional programming to eleven participaing school districts since September, 1981. The information sheet is incomplete and ends on that note; they could be talking about the microvave Instructional Fixer Service.)

Fred McCormack sent in some clippings from The Forum, a Fargo newspaper, about KVNJ-TV, channel 15. KVNJ-TV is entering a market which already has three well-established VHF commercial stations. The call letters are from the FM station that went on the air in Fargo back in November, 1947, the first FM station in North Dakota. Back then, the call using multiple transmitter scrambled systems letters stood for "Victory in Japan," marking the end of World War II.

The station operates from 8:00 a.m. to midnight with 2.31 kw. covering the Fargo-Moorenead area with a radius of 20-30 miles. KVNJ-TV will offer movies, syndicated programs, news, sports, weather, and some programs from the three commercial networks. tional Network News.

The newspaper frequently refers to KVNJ-TV as a low-power station. It is not. It is a weak full-service station. Low power stations are something different. But it is a weak UHF station. in fact, the only UHF station in Fargo. That means, unless you have a cable-TV hookup in Fargo, you will now need to install another antenna. One of the articles in the Fargo Forum goes into heavy detail in how to tune in the station, and what kind of receiving equipment you need. Rod O'Connor sent some comments about

companies, satellite reception and distribu- KSHO-TV. channel 26 in Honolulu. Hawaii. They show financial news and stock market figures most of the day (sounds like Financial News Network), broadcast cartoons and old syndica-I've been making it a practice to write to ted programs from 3:00 p.m. to 7:00 p.m., then old movies, followed by Japanese programming until midnight. They are transmitting from a mountaintop just east of Honolulu. Nathaniel Ely made some observations about WYCC, channel 20 in Chicago, It began test patterns on 2/14/83, and programming On 2/17. It broadcasts from the old transmitter site at the John Hancock Center, and is owned by seven or eight local colleges in the Chicago area. WYCC stands for "Your City College." It is running full-time instructional courses for college credit.

John M. Lentz sent some notes on WVCY-TV, channel 30 in Milwaukee. It is a religious station, operating from 5 p.m. to 11 p.m. on weeknights, and 8 a.m. to noon, and from 5 p.m. to 11 p.m. weekends. I don't recognize most of the programs listed in the TV schedule he sent me, but it appears that the programming consists of mostly locally produced religious programs, an occasional nationally distributed religious program, and no movies, cartoons, or syndicated commercial programs, unlike most other religious stations.

Tom Yingling sent me a newspaper clipping on the proposed channel 24. WJKL, in Baltimore, Maryland. The permittee, Jesus Lives. Inc., must have had that construction permit for some time now. but according to the article. they are still raising the money to buy the land that the station is to be built on. Let's see what happens on that one.

Back to John M. Lentz. He says that W55AS. the Milwaukee translator which is to pick up and rebroadcast Chicago station WCIU-TV. channel 26, is now on the air. W55AS transmits from the First Wisconsin building in downtown Milwaukee. They already applied to the FCC to increasi their power. They also plan to have program origination in the form of Spanish programming. A one-room studio is being constructed near the transmitter in the First Wisconsin building. People as far away as six miles are getting in a snowy picture, so the station must be pretty weak.

John read in an article in the Milwaukee Journal that a construction permit for channel 49 in Racine. Wisconsin. was granted to a Milwaukee minister, with no finances to build the station, and no idea where to build it. but that they could begin programming as early as late 1983. (They amended their application, calling for the transmitter to be at Chicory Road, 0.125 mile west of the intersection with Wisconsin Highway #31.)

Nathaniel Ely caught WHMB, channel 40 in Indianapolis, which increased its antenna height and power quite a bit, with a snowfree picture. They were running a 3/4 CBTP with a slide reading, "1000 ft., 33.2 dBk." While in Iowa, Nate clipped an article from the Des Moines Register about antenna problems. The Television Development Association of Iowa filed applications for two stations: channel 20 in Iowa City and channel 30 in Carroll. The Carroll station's proposed transmitter tower near Vail, Iowa, about 18 to 20 miles from the Carroll Airport. But the airport is still complaining. Also in Iowa, station KCBR, channel 17 in Des Moines, is still trying to get on the air. It should be pretty soon, however. One more subject which Nate brings up is one which has been cropping up in other areas also. KDNL-TV, channel 30 in St. Louis, Missouri, is running a continuous message, "More to see on free TV." As of March 1, they ceased its STV operation. The station will still be operating 24 hours.

On the east coast, another station is giving up STV. Harold E. Lane, Jr. and George Mileon both sent in an article from the 2/15 Boston Globe. Boston's first over-the-air pay service. Star, is going out of business. Star had been broadcast over WQTV, channel 68 in Boston. Preview, which is carried over WSMW-TV, channel 27 in Worchester, purchased Star's subscriber list, and is now operating on both WSMW-TV and WQTV, while Star customers are gradually converted over to the Zenith system used by WSMW-TV. George adds that nobody seems to know what WQTV is going to do with the extra time when it ceases STV

operation. According to the article, it will continue to carry Financial News Network during the day. The article also states that Preview is expanding its schedule, but denies that it will be goint to a 2/-hour STV, which had been rumored. George saw a local news report in whichit was reported that staff members of channel 27 were told not to make any public statements about the status of the station or risk being fired.

Phil Sullivan also reported the changeover from Star to Preview, reports that Preview is now beginning the scrambled mode two hours earlier than before: 5 pm on weekdays and om on weekends. Phil doesn't know the future of WOTV. either.

According to an article in the 2/21 Broadcasting magazine, the Worchester city council asked the city's legal department to contact the FCC to find out how to prevent WSMW-TV from expanding its STV hours. They are concerned about the loss of local coverage.

Continuing the STV situation is Steven Sprachman, commenting on WWHT, channel 68 and WSNL, channel 67. Effective 3/1/83, they began STV service as early as 10 am. Steve got unset and wrote to the station, and got a reply from the vice president and general manager of the station. The reply stated. "it was necessitated by the need to remain competitive with other pay TV services that are now operating on a 24 hour subscription basis." Nonscrambled programming is now limited to two hours in the morning. (So much for Uncle Floyd!) Steve predicts that once the rest of New York is wired for cable, the need for STV will be totally gone, and WHT may go bankrupt in a few years.

So it seems that STV stations are beginning to expand their services in order to compete with pay-TV on cable. Either that or lose money. And some STV services are going out of business already. I wonder how DBS hopes to do any better when that begins.

Getting back to Steve Sprachman, he has been getting in a mysterious channel 59 transmitting a test pattern for several days with the number 59 on it. No call letters or any other identification. He suspects WTVU. a proposed channel 59 in New Haven.

Robert Goodman sent me some information on that mysterious KLEE DX from back in 1953 in England. It gives a simple explanation of what really happened. But since this is my ninth page and tomorrow is the deadline. I'm going to leave you hanging for a month.

Just a few final notes. I'm told that only 10% of the members got the December, 1982 VU and that there may be a reprint of some form in the works. If you haven't received it yet. I am still offering copies of the December Television News upon request. I normally do not request return postage or self addressed stamped envelopes for replies, but in anticipating a possible large number of responses. I will this time. I'm dismination up a lot of ancient reference material that will be taking the RETROSPECT series back to the orogins of television. I still have a for more articles on the early years of TV ok.



New FM Stations Authorized GA Fort Valley \*91.3 100000 h,v; 360', \$, g, Joy Pub-

lic Broadcasting
IN Earl Park 98.3 3000 h, 300'; m-music IN Spencer 92.7 1000 h.v; 480' [v. 310', directional IN Spencer 92, 7 1000 ft, 7; 480 [V, 310, arrections KY Highland Heights (teste Cincinnait) \*88, 7 44000 ft, kie Calais \*88, 7 30000 ft, y; 525', U of Maine MA Northfield \*91.5 250 ft, "300", Mt Herman School MS Meridian VMAW-FM \*88.1 100000 ft, y; 1060' ETV MS Oxford WMAV-FM \*90.3 100000 h,v; 1240' MO Vandalia 100.1 3000 h,v; 300' MT Cut Barl: 102.7 50000 h,v: 570' PA Schnecksville (9 Miles NW Allentown) \*90.3 870 h,v; 160', Community College
TX Carthage 98.9 100000 h.v; 620', rock

TX Freeport 103.3 100000 h,v; 450 TX Hooks 95.9 3000 h,v; 300 TX Malakoff 95.9 3000 h.v: 300', k V/A Deer Park 107.1 3000 h,v; -66 WV Institute \*90.9 5000. h,v; 430' Geome BC Burns Lake 107.5 m, , 230 w, relays 94.3 Prince / BC Houston 105.5 m, 230, relays Smithers 96.1 BC Kitimat 92.9 50 w k, relays Terrace 103.1

BC Masset 92.9 50 k, relays ""
BC One-Hundred Mile (161 km?) House 100.5 m. to relay mainly Quesnel 103.3 BC Prince George 94.3 11480, m BC Prince Rupert 101.9 1750 k, relays Terrace 103.1.

8C Quesnel 103.3 230, m (110 km S. Prince George) 8C Sandspit (15 km E. Queen Charlotte) 92.9 9 watts k. relays 103.1 Terrace

BC Smithers 96.1 230 m; mainly 94.3 Prince George relay, plus 10 hours per week local BC Terrace 103.1 3160; k

BC Terrace 103.1 3160; k

OW Maratnot F.N 93.1 50000 h.y; 265 m

OK Panierh of 95.9 230, relay of 103.3 Quesnel + 12
hours per week local; n

BC Williams Lake 103.9 230; 103.3 Quesnel + 12 local hrs. PQ Chapeau CBOF-9 8.2 7300 h.y; 300

PE Charlottetown CHLQ 93.1 25000 h.y; 430'

PE Charlottetown CHLQ 93.1 25000 h.y; 430'

PQ Chapeau CBOF-9 6.2 7300 h.y; 310'

PQ Riviere-du-Loup PTON 103.7 600000h.y; 1090' NF Deer Lake 96.3 640; CBC-CBV AM Corner Brook rel.

NS Amherst-Springhill 105.5 750 (60 km S. E. Moncton NB), CBH AM Halifax NS relayer) PQ Baie-Comeau 106.1 1900 ex CBSI 98.1 Sept lies

PQ Kuujjuarrip 98.9 1 w, Cree, English, French [relayer SA Meadow Lake CBKM 98.5 210000 h.v; 650° PQ St-Jovite (40 km NW Ste-Adele) 98.1945; CBMAam/ SA Regina CIZL 98.9 380° (100000 h.v)

#### FM Facilities' Changes

AZ Tucson KNDE 99.5 190° h (30000) CA Fresno KYNO-FM 95.7 (from 95.5), now 96-FM CA Pebble Beach KSPB \*91.9 1000 h.v. 485 CA Sacramento KAER 92.5 50000 h,v; 500' CA Venture 107.1 280 h,v; 840', sr (overturn of initial

decision in favor of new applicant FL Arcadia WOKD 98.3 1700 h.v: 400' GA Atlanta WREK \*91.1 no Dolby GA Dublin WQZY 95.9 300' (3000 h,v) IL Romeoville WLRA \*88.1 (from Lockport IL) IL Vandelia WKRV 107.1 1750 h,v; 380' IN Lowell WZVN 107.1 1550 h,v; 400' A Council Bluffs KIWR \*89.7 adds Dolby IA Davenport K233AA \*94.5 (from K232AK 94.3, on / KS Liberal KEZS 107.5 (from 105.5) 100000 h,v; 510' LA Lafayette KSMB 94.5 100000 h,v; 1080' ME Brunswick V:KXA-FM 98.9 15000 h.v: 400' MA Fitchburg WFMP 104.5 37000 h,v; 560' MA Nantucket WGTF 96.3 36000 h.v (310') MI Muskegon WMUS-FM 106.9 480' (50000h,v) MO California KZMO 94.3 265' (3000 h.v) MO Harrisonville KIEE 100.7 830' (100000 h,v) MO Springfield KWTO-FM 98.7 96000 h,v (550') MT Helena KBLL from 92.1 to 99.5 30000 h.v: 790' NJ Flemington WCVH \*90.5 78 h,v; 450' NY Syracuse WAER \*88.3 has vertical NC Elon College WSOE \*89.3 500 h,v; 100' NC New Bern WSFL 106.5 (from Bridgeton) OH New Philadelphia WNPQ 95.9 3000 h,v; 300' OH Westerville WOBN \*105.7 (from 91.5), 28 h; 40' OR Coos Bay KYNG-FM 105.5 740 h.v: 545' PA Selinsgrov» WQSU \*88.9 12000 h,v (620') PA Selingfove WISU 1983 1200 in 1985.

TN Cleveland WQNE 95.3 (from 98.3), now on 95.3

[CA's KYNO-FM now operating on 95.7 using new nonIO]

L Arington Heights WSEX 92.7 mr. "New 92".

WV Beckley WCIR"-FM" 103.7 5000 h.v: 1480'

AT Edmonton CISN 103.9100000 h,v; 760' AT Falher CHFA-7 103.7 2800 h,v . 59 meters BC Alexis Creek CBYU 93.7 directional ant. BC Barriere CRYO 104.1 vertical

BC Campbell River CBYT 104.5 88 h.v: 340' BC Dawson Creek CBUF-7 93.7 290' (70 h,v) BC Fort St James CBUV 91.9 10 h, DA, 480 meters (from 92.5) [minus 264 met minus 264 meters

BC Harrison Hot Springs CBYH 92.5 90 h,v, / BC Kersley CBYY 90.9 13 h.v: 1810' BC Moricetown CBTI 96.5 directional. -295 m NS Bay St. Lawrence CBIB 90.1 85 h v. 800' NS Bridgewater CKBW-FM 94.1 mk (not Liver-

NS Bridgewater CRBW-FM 94.1 mk (not Liverpool NS)
BC Nelson CBYN 98.7 108 hy; 1150'
BC Rock Creek CBYR 94.1 40 hy; 33' (10 m)
BC Sparwood CBYS 105.7 directional ant. BC Vancouver CITR \*101.9 19 h, DA, 340' MBBranden CJCM 96.1 has vertical NB Boiestown CBZB 90.9 836 hv. -11 meters NB Doaktown CBZD 96.5 86 hy, 77 NB Neguac-Allardville CBAF-22 105.7 (from 97.9) 50000 h,v; 430'

NB Newcastle-Allardville CBAA 97.9 (from 101.9) 50000 h.v; 131 meters NF Goose Bay CFGB 89.5 4500 h.v: 630' NF Hampden CBTJ 101.5 85 h.v; -220' NF Millertown CBTL 90.1 4200 h,v; 70 meters

NF Postville CBNO 105.1 91 h,v;-115' NF St. John's VO CM-FM 97.5 50100 h,v; 485' ON Cobourg CFMX 103.1 117000 h,v; 197 m ON Kingston CFMK 96.3 50000 h,v (500') ON Marathon CFNO 93.1 50000 h.v: 265 m

PQ Thetford Mines CBV-8 90.1 240 h,v; 900' CBMC 92.3 250 h,v; 860' SA Denare Beach CBKO 94.3 125 h,v; 220'

#### Formats/Networks

CA Buena Park KBPK \*90.1 r (no \$), some Spanish on weekends
CA Los Angeles KKGO 105.1 all j. not is
CA Hanford KMGX 103.7 sr, "Magic-104"
CA Palm Desert KCMS 103.1 b (from classical) CA Palm Springs KDES-FM 104,7 rm CA Paso Robles KDDB 92.5 k, via satellite FM93 CA San Francisco KALW \*91.7 tm CA Tehachapi KTPI 103.1 country (some gospel)

CA Visalia KONG-FM 92.9 no Openish, but with some Portuguese), has ethnic SCA DC Washington WAMU \*88.5 jazz and talk lair, FL Jupiter WVSI-FM 96.7 now all m FL Avon Park VWOJ 106.3 UPI Audio FL Key West WFYN 92.5 mr. WVFK 95.5 k Naples WCVU 94.5 b, not bc FL Orlando WBJW 105.1 Y (from RKO)

FL Palatka WNFY 99.9 rock, still "Y-100" FL Riviera Beach WNJY 94.3 b, "Joy 94" FL Stuart WRIT 92.7 beautiful music FL Tallahassee WCSN 94.9 k, WMN X 95.9 k FL Winter Park WPRK \*9.1.5 progressive rock

should be listed rm GA Cochran WVMG-FM 96.7 r. V-96 GA Cumming WWEV \*91.5 B network, FM-91.5 GA Greensboro WGRG 103.9 k, still G-104 GA Jackson WJGA-FM 92.1 s (frum rs)

GA Macon WMAZ-FM 99.1 C (from A), WPEZ 107.9 rm (from b), still EZ-108 GA Metter WHCG 104.9 k, "Country-105" GA Savannah WEAS-FM 93.1 k (from soul)

IL Chicago WCRX \*88.1 rock (on air), WCYC \*88.7 gc; WXRT 93.1 no ABC-FM ntwrk

Bruce F. Elving, Editor 4515 Avenue "E" Kearney NE 68847

#### -Contributions invited!

IL Benton WORL 106.3 no UPI Dundee WCRM 103.9 g, no netwrok Fidorado WKSI 102.3 CBS IL Godfrey WLCA \*89.9 rock IL Harrisburg WEBQ-FM 99.9 N3C Oak Park WBMX 102.7 soul only IL Pittsfield WBBA 97.7 rock
IL Quincy WQCY 99.5 beautiful (from mc) II River Grove WRRG \*88.9 rock Springfield WNNS 98.7 rm West Frankfort WFR X-FM 97.7 km IN Crown Point WWJY 103.9 b Hammond WYCA 92.3 no network IN Greensburg WTRE 107.3 rp IN Greensburg W1 HE 107.3 FP IN New Albany WNAS \*88.1 rock and talk IN Fort Wayne WMEE 97.3 ABC Contemp. (Y) IN Rensselaer WJCK 97.7 m IN North Vernon WOCH-FM 106.1 km Washington WFML 106.5 mk KS Concordia KCKS 95.3 RKO network KY Bardstown WO KH 96.7 k
KY Bowling Green WLBJ-FM 96.7 M (not R), BJ-/
KY Bardenburg WMMG 93.5 rg
KY Jeffersontown WJVL 101.7 no Dolby
KY Louisville WLRS 102.3 just rock, not rp WXLN 103.9 gr, still XL-104, now Y KY Owensboro WSTO 96.1 all rock KY Richmond WEKU \*88.9 cj MD Westminster WTT R-FM 100.7 S Audio MA Franklin WGAO \*88.3 E, still \$, rock MI Ludington WKLA-FM 106.3 r. I. K-106 MI Monroe WTWR 98.3 rock, no stereo MI Newberry WNBY-FM 93.5 I, "NBY." no \$ MI Tawas City WDBI 101.7 NBC MS Pascagoula WPMO 99.1 k NE Grand Island KROA \*95.7 U (from AP Audio) Lincoln KUCV \*90.9 I, in addition to P North Platte KELN 97.1 ABC-FM (no Mutual) NY Brockport WBSU \*88.9 rock and classical NY Buffalo WNYS-FM 104.1 Y (from Mutual) NY Coming WZKZ 106.1 no network Jamestown WWSE 93.3 RKO NY North Syracuse WEZG-FM 100.9 rp, Sky-101 NY Utica WKGW 104.3 RKO (from 1) NC Gastonia WZXI 101.9 b. no more Y. FM-102 NC High Point WMAG 99.5 rm NC Wilmington WGNI 102.7 rock OR Lake Oswego KMJK 106.7 Y (from RKO) OR Portland KCNR 97.1 no network OH Cleveland Heights WRQC 92.3 pr PA Carlisle WHYL-FM 102.3 S (was Mutual) PA Danville WPG M-FM 96.7 UPt Audio PA Lancaster WLAN-FM 96.9 Mutual PA Philadelphia WMMR 93.3 no network PA Pottsville WAVT 101 9 no network (was M) PA Scranton WVIA-FM -89.9 P (not UPI Audio) PA Williamsport WILQ 105.1 I. York WQXA 105.7 no network. PA S. Williamsport WMPT-FM 99.3 m. PA York WSBA-FM 103.3 rk (from beautiful) PA Sunbury WOKX 94.1 no network PA State College WXLR 103.1 NBC PA Wellsboro WGCR 104.5 rock PA University Park WOWK 96.7 (from State College PA), FM-97 SC West Columbia WSCQ 100.1 CRS GA Atlanta WRAS \*88.5 D network, WLTA 99.7 SD Brookings KESD \*88.3 P (not SP)
should be listed to WJYN 105.9, new 106 FM, seeks WLAC-/ TX Coleman KSTA-FM 107.1 Mutual TX Midland KNFM 92.3 country WI Milwaukee WBCS-FM 102.9 D (ABC Direction) VI Charlotte Amalie WCRN 101 1 I WY Buffalo KLGM 92.7 NBC SA Saskatoon CFMC 103.9 mp (late nite progressive) Mexico Tijuana BJ XETRA-FM 91.1 r, "Rock of the eighties," mainly new wave with English announcing (except for legal i.d. in Spanish). non1D is "91-X." PQ Magog CIMO 106.1 rm (from m-o-r)

Stereo (\$)

AZ Benson KAVV 97.7, back on air, "Cave" CA Yuba City KXEZ 103.9 m, Z-104, with new separate-from-AM programming II Pekin WCIC \*91.5 IL Pontiac WPO K-FM 103.1, k, TX SCA IL Pontiac WPO K-FM 103.1, k, † X SCA

IL Watskak WGFA-FM 94.1, Stereo-94, no SCA
IN Indianapolis V/ICR \*88.7 x mc, UPI Audio
KS Manhattan KSDB \*88.1

AL Birmingham 96.5 V/MJJ ( $\frac{1}{K}$  ) EZ )

107.7 V/EN/N°-1-1" ((V/ENN)

AL Evergreen 93.5 WEGN''-F\* ((V/TII)) KS Manhattan KSDB \*88.1 KY Somerset \*88.9 to be ci. P MA Bridgewater WBIM \*91.5, rj. some c, ATT

MI Scottville WKZC 95.9 to be \$. k, "KZ Country FM 96" with live jocks. MN St. Cloud KVSC \*88.1 now on (having moved from 88.5), 5000 h,v; 130' PA Blairsville WCQO 106.3 m ("poorly synthesized stereo")

VV Westover WJCF 100.9. b PQ Maniwaki CHGA 97.3, rock

SCA (†) 67 kHz CA Cathedral City KWXY-FM 98.5 no SCA

CA Inglewood KACE 103.9 no SCA (was ethnic) LA Shreveport \*89.9 KDAQ CA Garden Grove KIKF 94.3 no SCA CA Riverside KSGN \*89.7 † X CA Roseville KPOP 93.5 no SCA CA Sacramento KWOD 106.5 no SCA (low f. telemetry only), rock, "Quad-106" on main. MI Allendale \*88.5 WGVC-FN WSRX) CA Santa Monica KSRF 103.1 †X AL Troy WIGC 105.7 music, "FM-106" FL Gainesville WUFT-FM \*89.1 †X FL Ocala WMFQ 92.7 no SUA FL Orlando WD1Z 100.3 tF (not music), stock/

GA Atlanta WLTA 99.7 † X GA Gainesville WWID 106.7 dropped SCA (was ABC); "This was an excellent way to keep informed, and I'm sorry to see it go. Also. you incorrectly listed this station as WWIX in your Nov. column

IL Crete WTAS 102.3 1X IL Monticello WVLJ 105.5 no SCA GA Valdosta WGO V-FM 92.9 †X IL Normal WIHN 96.7 no SCA IL Olney WSEI 92.9 †F (talking farm) IL Springfield WVEM 101.9 no SCA IL Vandalia WKRV 107.1 no SCA

IN Salem WSLM-FM 98.9 1X IN Evansville WYNG-FM 105.3 †X KY Louisville WFPL \*89.3 no SCA WUOL \*90.5 tT (NPR channel 1, used for the convenience of UOL administrators.

soid to be hush-hush as far as others go) MA Worcester WICN \*90.5 † talking book NE Seward KSRD 96.9 occasional TX PA Greensburg WOKU 107.1 no SCA, reading

service folded PA Uniontown WPQR 99.3 † music PA Williamsport WKSB 102.7 †music SC Anderson (dual city ID with Greenville)

WANS-FM 107.3 †X (but different from WITA Atlanta's) TX Conroe KJOJ 106.9 †X

ON Kingston CFLY 98.3 background music MEXICO XHRM 92.5 tmusic (same as 90.3) in

OFF THE AIR FOR OVER A YEAR IL Park Forest WRHS \*88.1

Deletion

NV/ Port Radium CBIP 105.1 "Mine and associated community closed"

Dual-City Identifications

On Air

IA Eldridge K274AA \*102.7 ("UNI 90.9 xltr)

Call Letters Assigne Nor Changed

AR Piggott 105.5 KTEI CA Oceanside 102.1 KEZL (1 - M) CA Oxnard 104.7 KCAQ (KA, Y FM), r, Q-105

CA San Francisco 105.3 KITS(IK (BRG), rock-"heavily processed 'hot hi": CO Alamosa \*88.7 KRZA NEL Immokallee 98.3 WIKX [107. FL Immokallee 98.3 V/IKX "25 [107.]
I(was F) FL Lehigh Acres 107.1 WOO, Thi (WSWF), Orange/

IN South Bend 103.9 WXMG (RBR)

KS Lyons 106.1 KLFQ (KKA "; also translators LA Alexandria \*88.3 KDEI MD Baltimore 92.3 WYST-F (WYST; 92-Star?)
MA Haverhill 92.5 WLYT (W V-FM), W-Lite,

now m-o-r, not easy-listeni MA Winchendon 97.7 WINQ ( XYN) MN Bernidji 103.7 KKBJ-FM MN Blue Earth 100.9 KJLY

MN Duluth \*90.5 KDNW MN Golden Valley 92.5 KQR: "KQRS"-FM") MN Minneapolis 93.7 WAYL KI AYL"-FM") MN Olivia 101.7 KOLV

N.N Thief River Falls 99.3 KS1 1 (KOSN) MS Canton 101.7 WZXQ (WD Fyl) MS Biloxi \*90.3 WMAH-FM /C MS Booneville \*89.5 WMAE-M

MS Bude \*88.9 WMAU-FM AV MS Greenwood \*90.9 WMAO- N MS Jackson \*91.3 WMAA-FM MS Lumberton 95.3 WLUN

MT Bozeman 93,7 KBOZ-FM (I BZN) NE Ainsworth 92.7 KBRB-FN NM Santa Fe 105.9 KNMQ

NY Briarcliff Manor 107.1 W2, M (WRNW), rock NY Ithaca 103.7 WQNY (WEI, beautiful music NY Norwich 93.9 V/KXZ (WC<sup>1</sup>, 4-FM), k, Kicks-94 NH Concord 105.5 WJYY

KS Derby 95.9 KYMG (KGCS OH Chillicothe 93.3 WKKJ (V EX-FM) OH Fairfield 94.9 WLLY (WY 3) OK Hugo 95.3 KITX

OR Portland 101.1 KRCK (K | B)
PA Braddock 96.9 WHYW-FM, not WHYH), no RKQ
PA Philadelphia \*90.9 WHYY' - M" (WUHY; I call it WHYY, not WHYY-FM becau WHYY-FM was on

air before there ever was a Why (Y-TV).
PA Sharpsville 95.9 WMGZ-FI A WMGZ) SC Goose Creek 94.3 WBJX

TX Abilene 107.9 KFMN-FM (FMN)
TX Port Lavaca 93.3 KAOC-F (KGUL-FM)
TX Falfurrias 106.3 KPSO-FA TX Pasadena-Houston 92.5 K , Q (KYND), r, 93-Q

TX Premont 104.9 KMFM (C. V/A Centralia 102.9 KMNT (K/LA-FM) WA Puliman 104.9 KQQQ-FN KQQQ) Wi Lancaster \*88.1 WJTY ts WI Milwaukee 102.9 V/BCS"-\ I" (WBCS-FM)

WI Watertown \*91.5 WBII WY Gillette 100.7 KGWY PR Guayama 106.9 WSRA (V RF-FM)

Dual-City Identifications IN South Bend 103.9 WXMG, MRBB)
SC Greenville V/FBC-FM 93.7 adds Spartanburg
SC Snartanburg V/SPA-FM 98.9 " Greenville
AT Spirit River 99.5 CKUA-F 12.50 ft.v; 115" Κ(

BC Fernie 97 7 CBTH - 1880\* (185 h. d. a.) WiB Flin Flon 90.9 CBV: F 550 h,v; 165' MB Little Grand Rapids 101.5 CBV-R 300 h,

directional antenna, 270' NB Saint John 98.9 CJYC (CF3C-FM), 30000 h.v: 410'

NF Makkovik 103.5 CBM 91, h.v.-210' NS Cheticamp 107.1 CBIC 800 h,v; 500' NS Liverpool 97.1 CBHL, 2400 h,v, DA, 610' ON Atikokan 90.1 CBLA 2900 h,v; 265' ON Nipigon 98.9 CBQY"-FM" ON Thunder Bay 101.7 CBQ-FM SA Cumberland House 94.9 CBKV 115 h.v: 275' SA Island Falls 105.1 110 h.v: 290'

SA Montreal Lake 93.3 CBKL 204 h.v: 81'

Slogans/NonIDs

AK Anchorage KGOT 101.3 FM-101 (not strict) CA Los Angeles KOST 103.5 Coast 103, mr CA Modesto KFIV-FM 102.3 Rock-102 EL Bradenton WOLLV 103.3 stereo-103. h FL De Land WELF 105.9 FM-106 FL Gainesville WYKS 105.5 Kiss105 FL Jacksonville WJAX-FM 95.1 95-X FL Oneechobee WLMC 103.1 OK Country (usually mis-IDs as WOKC, its AM affiliate) FL Starke WPXE-FM 106.3 Starke-106, m GA Manchester WQCK 93.3 back to Quick

Country (from QC-93) KS Manhattan KMKF 101.7 KF KY St. Matthews WRKA 103.1 Stereo-103 MD Frostburg WFRB-FM 105.3 FM-105 MN Alexandria KCMT-FM 100.7 KC 100 MS Jackson WMSI 102.9 Miss-103 NY Syracuse WSYR-FM 94.5 Y-94 (from 94-

Rock), r (adult contemp.), has vertical
OH Canton WOOS 106.9 Good Rock 107 (strict) OH Milford WLYK 107.1 "The Nice Little Radio Station"
OH Sylvania WWWM 105.7 3WM, ruck

PA Beaver Falls 106.7 WWKS Kiss-107 PA Philadelphia WUSL 98.9 Power-99 (strict) PA Pittsburgh WYOD 104.7 YDD

WXKX 96.1 HitRadio 96 (seeks WHTX calls) SC Greenwood WSCZ 96.7 Z-96 (not Z-98 as in Oct VUD)

SD Pierre KNEY 95.3 Y-95 TX Houston KSRR 96.5 97-Rock (not Star-96)
TX EI Paso KSET-FM 94.7 New 94.7 FM, rock
UT Salt Lake City KWHO-FM 93.3 no SCA! Now, back to slogans:

UT Salt Lake City KSFI 100.3 FM-100, b on main carrier, 1XG SCA; nonID is strict. 7th Ed. FM ATLAS Errors supplied by Richard

7th Ed. FM ATLAS Errors supplied by Hichard Reese, Jersey Shore PA.
p. 34 WFRO-FM Fremont OH given as 96.7, should be 99.1, p. 24 Enterprise AL calls should be WLHQ (not WIRB). p. 26 WLTR Columbia SC should be 91.3, not 91.5, p. 27 95.1 Charleston SC should be WSSX (not . WPXI); 96.9 is WXTC, not WSSX) Charleston SC, p. 25 WSEA Georgetown DE missing from map. p. 86 WOKU 107.1 Greensburg PA missing. The 1983 FM Atlas should be ready by the time way search the and hopefully it will have a fort

you read this, and hopefully it will have a lot fewer errors than the previous edition. Back will be secondary coverages in miles (and primaries), and other data that should make this item pooular with DXers. Same price as last year's issue. Using my format symbols Nick Lombardi lists the progression from beautiful music to rock as:

b, m, mr, rm, r, rp, pr, p! Dropping stereo? KFSI &8.5 Rochester MN. Now on 24 hours: WRVM 102.7 Suring Wi, g. A 30-kw public FM station is planned for \*91.3 Wilmington NC, which will be CPB funded.

Wilmington NC, which will be CFB fullded:
CONTRIBUTORS: R. Baker, Humboldt IA, P.
Boersma, Spring Lake MI, Tom Burns WEFM MI
City IN, T. Cornell, Greentown In, J. Ebeling,
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Gary IN, G. Hauser, Knowlie TN, J. Jefferson,
Pleasanton CA, W. Kowalczyk, N. Huntingdon PA,
N. Lemonakis, Baltimore MD, J. Lent, Hales N. Lemonakis, Baltimore MD, J. Lentz, Hales Corners WI, N. Lonbardi, Atlanta GA, P. S. Lottof, KAVV, Tucson AZ, G. Monti, Silver Spring MD, P. Mount, Teaneck NJ, R. Navarini. Clarksburg WV, F. Nordquist, Clay NY, Sherry Owens, Springfield MA, W. Patton, Montreal PO, L. Price, Wilmington NC, R. Purdue, tyron MN, R. and F. Reese, Jersey Shore PA, Jess Scurgin, KQEZ Chandler AZ, Eric Sundius, Santa Barbara CA, Dr. R. E. Wood, Abha, Saudi Arabia, W. Wyllie, Franklin MA.

## WHF WITLINY DX

Donald L. Blevins 314 Langley Road Baltimore, MD 21221 phone: 301-391-3408

VHF UTILITY DX........This month's feature is slim pickings...loggings from Hank Holbrook and more information about areonautical frequencies from our old friend Mr. Robert Schweitzer of Old Bridge, New Jersy.

Mr. Hank Holbrook 7211 Chestnut Street Chevy Chase, MD 20815 reports:

<b>a</b> -				Quebec, Quebec	Air Canada 45
1/1 174 183		745N F-TIX	129.8 130.0	Cleveland, OH(in route) Fort Lauderdale to	Piedmont 333
11/ 183	<u>/7</u> 39 w:	TQ 2019	156.80	Galesville, MD	Akapookee
11/ 125 130		63AM UR 811	161.7 161.7	Washington, DC Washington, DC	WMAL Radio Skyhawk 63 WMAL Base Station
10, 16, 20,		YQ 6215 XK 8673	156.80 156.80	Bloody Point Light, MD Sandy Point, MD	Wings of Morning Annie
<u>8/</u>	14 18 w	YQ 6171	1.56.80	Rockhold Creek, MD	Beautiful Swimmer
<u>7/</u> 19	<u>15</u> 21 N	82 <b>a</b> f	127.7	East Coast ???	Air Florida
<u>6/</u> 16	<u>20</u> 22 W	YC 5671	156.80	Choptank River, MD	Pendragon

CT Control Tower AC Approach Control GC Ground Control ATIS Automatic Terminal Information Services

MARYLAND Cumberland AC 124.4 122.8 Crisfield 122.8 Salisbury-Wicomico County Regional 122.95 Ocean City 122.8 Patuxent River Naval Air Station CT 123.65 AC 120.05 GC 126.2 Wesbster AC 120.5 CT 126.2 St. Mary's County 122.8 Freeway 122.7 Bay Bridge 122.8 Beltsville 122.8 Easton AC 135.0 122.8 Deep Creek 122.8 Hagerstown Regional 134.5 122.95 GC 121.9 Carroll County 126.75 122.7 Clearview Airpark 126.75 122.8

Fredrick 125.3 123.0 Davis 122.8 Hyde 122.8 Montgomery County 126.75 122.7 Baltimore Airpark 123.0 Essex Skypark 122.8 College Park 123.0 Maryland 122.7 (closed nights) Baltimore Washington International

124.55 CT 119.4 ATIS 115.1

123.0 GC 121.9 GC 118.05

Bennet 122.8 Cecil County 122.8 Martin State 125.3 CT 121.3 122.95 GC 121.7 Harford County 122.8 Cambridge-Dorchester 134.1 135.15 Phillips AAF 125.3 CT 126.15 GC 121.9 Tipton AAF CT 127.0 GC 121.75 Laurel 122.8

> DELAWARE Delaware Airpark 122.8 Jenkins 122.8 Milford Airpark 122.8 Joseph (private) 122.8 Sussex County 128.0(AC) 122.8 Rehoboth 128.8 Dover AFB AC 128.0 CT 126.35 GC 121.9 Chandelle Estates 122.8 Smyrna 122.8 Greater Wilmington 125.0 CT 126.0 ATIS 123.95 122.95 GC 121.7 Summit Airpark AC 125.0 122.7

SOUTHERN NEW JERSY Cape May County 122.7 Woodbine 122.8 Millville 123.0 Millville Flight Service Stations: 122.65 123.6 122.2 122.1 Kroelinger 122.8 Atlantic City CT 118.9 ATIS 108.6 122.95 GC 121.9

SOUTHERN NEW JERSY Atlantic City Municipal-		
Baderfield 123.0 Vineland-Downstown 122.8		
Manahawkin 122.8		
Hammonton 122.8		
WEST VIRGINIA Welch 122.8		
Kee AC 118.95 122.8 Raleigh County Memorial AC 118.9	r 400 0	
Raleigh County Memorial AC 110.9	5 122.0	
Hinton-Alderson 122.8 Fayette 122.8		
Mingo County 122.8		
Jackson County 122.8		
Tri-State-Walker-Long CT 118.5		
ATIS 125.2 122.95 Kenawha CT 125.7 ATIS 127.6 12	2.95	
GC 121.9	,,	
Meadows(private) 122.8		
Greenbrier Valley 119.05 CT 118.	.9	
122.8 GC 121.9		
Greenbrier 119.05 134.4 122.8	22.8	
Buckhannon County-Upshur County 1 Elkins-Randolph County 121.15 12	7.25	
Grant County 134.15 122.8	-,,	
Marina Forme 122.8		
Eastern West Virginia Regional CI Benedum 119.6 121.15 CT 126.7	124.3 122	95
Fairmont Municipal AC 119.6 126.7	125.0 GC 14	-1.
Marshall (closed nights) 122.7	1.0 122.0	
Wheeling-Ohio County AC 125.9	T 118.1	
122.95 GC	121.9	
Garrett County AC 124.4 122.8		
Morgantown GC 121.7 CT 120.0	121.15	
124.6 123.0  Morgantown Flight Service Station	122.6	
Charleston Flight Service Station	122.3	
Huntington Flight Service Station	122.6	
Bluefield Flight Service Station	122.2	
Morgantown Flight Service Station Charleston Flight Service Station Huntington Flight Service Station Bluefield Flight Service Station Wheeling Flight Service Station	1 122.2	
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Please note that although all stabetween 150.815-150.96 are automo	bile emerge	асу
services, some towing services at	re licensed :	in
the business radio service.		
Delevere Tevi Dadio		-
Delaware Taxi Radio		-
152.27		-
KGA 413 Yellow Cab of Delaware	Wilmington	_
KGF 204 Checker Cab	Milford	_
150 33		-
152.33 KBJ 548 Town Taxi	Bridgeville	-
KBL 234 City & Diamond Cab	Wilmington	-
	_	_
152.39	Dawan	_
KGB 366 Dover City Cab	Dover Newark	-
KGB 944 Newark Transit Co KJZ 90 Seaford Taxi	Newark Seaford	-
NOD 70 DOUGOLA SUAS		-
452.40		_
KIL 405 Areo Limosine Co Inc	Wilmington	_
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GOOD LUCK		
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	Vine Brid Mill	land igetor ville	n Police 155.55 e Police 155.58 Police 155.52 n Fire 154.43 e Fire 154.43 Fire 33.74
	Cumb	erla	nd County Taxi
		203	2.27 Millville Yellow Yellow of Millville
	кхм		2.315 Mayras Taxi Vineland
	KEC		2.33 Veale Yellow Bridgeton
	KGZ	591	Red & Black Cab Vineland
	KEC	158 461	2.39 Deluxe Taxi Vineland
	KQS	720	Speedy's Taxi Bridgeton
	Cuml	berla	nd County Towing
	KEV		0.815 Bianco Brothers Bridgeton
	Kus	15 <sup>6</sup> 709	7.47 Perry's Bridgeton
	ΚΖQ	15 713	7.50 J&B Auto Vineland
	KYD	849	7.515 Walt Doughty & Sons Bridgeton
*	+ *	•	4 * 4 * 4 * 4 * 4*********************
	DeTi		Auto Emergency
	KEV	920	Memorial Gulf Serv New Castle
	KZV	302	Jim & Harold's Garage New Castle
	KRM	15 678	0.845 Joe & Tony's Gulf
		529	Claymont Firestone Tire & Rubber Dover
	KIK	15 771	0.875 Cochran-Trinitis
	кJV	208	New Castle Goodchild Inc
	KLV	699	New Castle Dimonde Esso Serv Wilmington
		582	0.89 Palo Tire New Castle Miglitore John Wilmington

Cumberland County, NJ



Fred Nordquist 7945 Boxford Road Clay, NY 13041

APRIL 1983

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								TANCE	RECOR	OS	. ~	A TOTAL N	IILES I	משער	toc
FREQ.	PROP	CALL	LOCAT	TION M	ILES		TOC			CALL	FO				CA
88.1	Es	$\mathbf{r}_{\mathbf{x}}$	TX L	ubbock	1520		NY	90.9	Es			Warrensburg Cedar Falls	820		NY<
	Tr			emala, Guat			FL		Tr MS			Warrensburg	885		VA
	• MS				1005		ON		#u Au			Cedar Falls	600		ND
	* Au			shville	1430	S.Ch	CA	91.1	Es			Houghton	1350		TX
88.3		KSUC KSUC				M.Da	FL	72.4	Tr			Jacksonville			TX
	Tr MS	WHWC				L.Vo	VA		MS			New Brighton			TX
	Au			yracuse		A.Bo	IL		Au			Vincennes	745		ND 4
88.4	Es			emala, Guat			TX	91.3	Es	WIPR	PR	San Juan	1820	C.Ho	OH
88.5	Es				1460		CO		Tr	WTHS	FL	Miami	1155		ТX
ر	Tr			tlanta	890	G.Ha	TX		MS	WHHI	WI	Highland .	740		VA
	MS	WFDD	NC W	inston-Sal	1160	G. Ha	TX		Au			Syracuse		R.Br	MI
	Au	UMAW	DC W	ashington	920	J.Eb	MN	91.5	* Es			N Mexicali	1450		MN
88.6	Es	HILF	D.R.	Santo Dom			FL		Tr			Tallahassee	840		TX
88.7	* Es	WERN	WI M	adison		J.Je	CA<		MS			Suring	1220		TX MI
	Tr				1035		FL	01.0	Au D-			Troy		F.Me	CA
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	<b>≜</b> u			adison		F.Mc	ND		MS			Stillwater		F.Mc	ND
88.8	Es	TGRT	Guat	emala, Guat	1130	U.Ha	TX   FL		<b>A</b> u			Stillwater		R.Br	MI
	Tr			emala, Guat		J.Pi	CA	91.9	Es			Carbondale	1725		CA
88.9	Es	XHM	V TV	ichmaond exico City			FL.	,,	Tr			Carbondale		G.Ha	TX
	Tr MS		שו ר	hattanooga	825	G. Ha	TX		MS			Rib Mountai			LA
	Au			hattanooga		F.No	NY		Au		_	Carbondale		F.Mc	ND.
89.0	Es			an Salvador			TX	92.0	Es	XEBJ	Cđ	Victoria, Ta	ms895	G.Ha	OK
89.1	Es			oulton		M.Da	FL	92.1	* Es	CJAY	AT	Calgary	1750	D.Ni	NY
٠,	Tr	XHPA	Jal.	Guadalajara			FL		Tr			Hayward		R.Co	OK
	MS	None							MS			Racine		R.Co	OK
	Åu	KMUW	KS W	ichita	640	R.Br	MI		Au			Sun Prairie		A.Bo	IL
89.2	Ēs	XEJT	Tamp	ico, Tams		G.Ha	OK	92.1				bana, Cuba	1330		O.K
89.3	* Es			. Moline		J.Je	CA-	92.3	Es			Orlando	1740		ND
	Tr	WPCS	FL P	ensacola		R.Br	MI		Tr			Orlando	1065 1050		TX MN •
						C.Ho	OH.		MS Au			Montgomery Portland	1030		ND
	MS			hilton		G.Ha S.Ch	TX ON	92.5	Es			Panama City			ND
	* Au			orthfield			TX	,,	Tr			Pasadena		R.Br	MI
89.4		TŒ		. Quetzalt		D.Ni	NY		MS			Dallas	1450		CA
89.5	* Es * Tr			ortales		J.Ay	TN	l	Au			Toledo		F.Mc	ND.
	MS			eKalb		G.Ha	TX	92.7	Es			Alameda	2375		FL
	Au			ridgeport		A.Bo	IL		Tr	CKSO	ON	Sudbury	610	D.Mo	IA
89.6	Es			emala, Guat			TX		MS	WDUX	WI	Waupaca	430	P.Sa	ON
89.7	* Es	KHRA	Jal.	Guadalajara	1570	A.Bo	IL.	1	Au	KERX	NE	O'Neill		F.Mc	ND
-,.,	Tr		FL M			G.Ha	TX	92.9	Es			Duluth	1640		CA
	MS			<b>Denison</b>	1120	L.Vo	VA.	1	Tr			Mobile	-	N.Di	MD
	Au	WGBH	MA E	Boston	905	A.Bo	1		***			Atlanta		G.Ha	TX
89.9	Es	WJCT	TL.	Jacksonvill	e1625	F.Mc	ND		MS			San Antonio			OH
	Tr			Jacksonvill			TX	02.4	Au E-			Burlington El Paso		A.Bo	MD
	MS		WI			L.Vo	VA	93.1	Es Tr			Syracuse	1780	B.El	MN
	Au	WHSA	WI	Brule		F.Me	MI		MS			Sturgis	1175		LA
90.0		YSU	ES S	San Salvado	112U)	· W.D.	TX	1	Au			Detroit		J.Eb	MN
90.1				San Luis Ob	860	J.Co	FL FL	93.2	Es			Monterrey	1375		MI
	Tr			louston		G.Ha	TX	′′′~	Tr			Monterrey		G. Ha	TX
	MS	ALC: IS	MN C	Chicago Collegevill			ON	93.3	Es	KTEN			1435		MA
90.3	* Au			Tijuana		M.Da		1,,,,	Tr			Tampa		G.Ha	TX
90.3					800	L.Vo		1	MS			Port Arthur			ON
	Tr MS			Holmen Holmen		G.Ha		1	Δu			Youngstown		J.Eb	MN
	Au			Ft.Wayne		F.Mc		93.5	Es			Parsons	1440		CA
90.5		KXCA	MO	Maryville		W.Ry		1	Tr	WMPL	MI	Hanc ock	610	F.Mc	ND
,,,,,	Tr	WKAR	MI	E. Lansing		R.Wo		1	MS			Clinton		P.Sa	ON
	MS	KXCV	MO I	Maryville	970	F.No	NY		Au			New London		A.Bo	IL
	Au	KXCV	MO I	Maryville		5 L.Vo		93.7	Es			San Juan	2275		OK
		KOBE	MO .	Joplin		J.Je		I	Tr			Houston	1090		OH
90.7					OΛ	D.Ni	NY		MS	WCCK.	MA	Lawrence	1475	K.Co	OK
90.7	* Tr			Omaha				1							-
90.7		WHAI	IW (	Umana Delafield St. Louis	88	W.Bi	FL		Au			Winner		A.Bo	IL.

				PM STATISTICS		TANGE RECORDS	AFRIL 1905
FM STATISTICS	ALLTINE BY PLISTAN	CE RECORDS	AFRIT 1)23	FREO PROP CALL LOCAT	TION MILES DXER LOC	FREQ PROP CALL LOCATION	MILES DXER LOC
FREQ PROF CALL LOCATION		Q PROP CALL LOCATION	MILES DEER LOC	100.5 Es WCMS VA No	orfolk 1505 F.Mc ND acksonville 810 F.Mc ND	103.9 MS None	
93.9 Es KPOL CA Los Angeles		1* Es KDWZ MN Crookston	1445 J.Je CA<	MS WKEE WV Hu	intington 855 G.Ha OK	104.1 Es KRBE TX Houston	1485 J.Pi CA<
Tr WBUS FL Miami Beach *MS WWWL FL Miami Beach	1155 G.Ha TX   1305 S.Ch ON	Tr WEZB LA New Crleans * MS KWEH AR Camden	865 R.Br MI 1075 S.Ch ON	Au WWKI IN Ko		Tr KRBE TX Houston	980 R.Br MI
Au KKLS SD Rapid City	830 A.Bo IL	Au WCOW WI Sparta	595 F.Mc ND	100.7 Es WDAE FL Ta		MS WLAG GA La Grange Au WIXY IN Evansville	1025 B.EL MN< 560 J.Eb MN
94.0 Es XET NL Monterrey 94.1 Es KCLK WA Clarkston	1375 J.Eb MN   97.	3 Es WIOD FL Miami Tr KEEZ TX San Antonio	1585 B.EL MN<	MS WMJR FL P	t. Lauderda 1260 G.Ha OK	104.3 Es WBBQ GA Augusta	1440 F.Mc ND
Tr KEZQ AR Little Rock	1040 P.No NY	* MS KBUF KS Garden City	1100 R.Br MI 1250 S.Ch ON	Au KGBI NE Or		Tr WZYP AL Athens	720 R.Sa TX 885 G.Ha OK
MS KEPO TX Beaumont	1190 P.Sa ON	* Au KDMI IA Des Moines	780 S.Ch ON		nion Springs 720 N.Di MD	MS WOMC MI Detroit Au WOMC MI Detroit	'885 G.Ha OK 745 F.Mc ND<
Au WQXI GA Smyrna 94.3 Es KVFM CA San Fernando	585 R.Br MI 97.5	5 Es KINT TX El Paso Tr WPCV FL Winter Haven	1645 R.Se NY	MS None		104.5 Es WEAT FL W. Palm Beac	h 1880 F.Mc ND
Tr WGM# FL Riviera Beach		MS KINT TX El Paso	1025 P.Dy TX 1140 A.Bo IL	Au KQAD MN Lu	werne 420 F.Mc ND Westmins 1815 R.Br MI	Tr KEXL TX San Antonio MS KEXL TX San Antonio	970 M.Da FL 1100 R.Br MI
MS WUUU TN Oak Ridge	1220 F.Mc ND	Au WNCQ NY Watertown	700 A.Bo IL	101.1 Es CFMI BC Ne		MS KEXL TX San Antonio Au WWST OH Wooster	1100 R.Br MI 635 J.Eb MN
Au CFRW ME winnipeg 94.5 Es KLEF TX Houston	745 R.Br MI   97.7	7 Es KPUP TX Kingsville Tr XHGL Merida, Yucatan	1460 P.Sa ON	MS WNOE LA Ne	ew Orleans 1185 S.Ch ON	104.7 Es WRBQ FL Tampa	2260 J.P1 CA<
Tr KSMB LA Lafayette	875 R.Br MI	MS WVOP GA Vidalia	720 W.Bi FL '835 F.No NY	*Au WMZU MO Ca 101.3 Es WWDM SC St		Tr WRBQ FL Tampa "MS KIOV SD Sioux Falls	990 P.Dy TX 895 S.Ch ON
MS KROK LA Shreveport	1045 P.Sa ON	Au CHOM PQ Montreal	680 R.Br MI	101.3 Es WWDM SC St		Au KIOV SD Sloux Falls	520 A.Bo IL
Au WRVQ VA Richmond 94.7 Es KYTN ND Grand Forks	570 R.Br MI 97.9			MS KDWB MN Ri		104.9 Es KSMI LA Donaldsville	1370 F.Mc ND
Tr KTTS MO Springfield	670 B.EL MN	Tr WJNO FL Palm Veach MS WNCI OH Columbus	1155 G.Ha TX 1080 F.Mc ND	Au WEZO NY Ro		Tr WNRE OH Circleville MS None	680 B.EL MN<
MS WPTF NC Raleigh	1065 G. Ha OK	* Au WSIX TN Nashville	725 S.Ch ON	101.5 Es KOXE TX Br		Au None	
WKXI MS Jackson Au WPTF NC Raleigh	tie F.No NYC 98.1		2015 F.Ad OR	MS WIBA WI Ma		105.1 Es WAVA VA Arlington	1390 G.Ha TX
94.8 Es TGDX Guatemala, Guat.	510 F.Me MI 1130 G.Ha TX	Tr KSLQ MO St. Louis MS WLEX KY Lexington	895 F.Mc ND 1105 F.Mc ND	Au WBIE GA Ma		Tr WWQS FL Orlando	1045 G.Ha TX
94.9 Es WINZ FL Miami Beach	1935 F.Mc ND	Au KUDL MO Kansas City	550 F.Me ND <	101.7 Es KTLQ OK Ta		MS WYOR FL Coral Gables Au WSCM OH Salem	1150 R.Sa TX 680 J.Eb MN
Tr WOCN FL Miami Beach MS WPCH GA Decatur	1160 G.Ha TX 98.3	Es WSUX DE Seaford	1460 G.Ha TX	MS None		105.3 Es WDEN GA Macon	1415 F.Mc ND
Au KFMG IA Des Moines	1345 F.Mc ND 600 F.Mc ND	Tr CBW MB Winnipeg MS None	849 A.Bo IL	Au WILS MI La		Tr WVSL LA Slidell	840 R.Br MI
95.0 Es ZFB Hamilton, Bermuda	1375 R.Br MI	Au CKLC ON Kingston	690 A.Bo IL	101.9 Es WCIB MA Fa		MS KXKX TX Dallas Au WDAS PA Philadelphia	1100 F.Me ND 605 R.Br MI
95.1 Es KRDO CO Colorado Spgs		Es KPAC TX Port Arthur	1635 R.Wo AT	MS KFMQ NE L		105.5 Es WRAR VA Tappahannock	
Tr WJAX FL Jacksonville MS WLST WI Marinette	1020 G.Ha TX 1145 R.Sa TX	Tr KLAZ AR Little Rock MS KQKQ IA Council Fluffs	1175 M.Bu CT	Au WRIG WI Wa		Tr WGUL FL New Port Ric	h 965 G.Ha TX
Au KICT KS Wichita	645 R.Br MI	MS KQKQ IA Council Eluffs Au WSB GA Atlanta	590 R.Br MI	102.1 Es KLYX TX Ho			740 J.Eb MN
95.3 Es WPVA VA Petersburg	1440 F.Mc ND 98.6	Es TGHR Guatemala, Guat.		MS KEEY MN S		Au WXEZ OH Sylvania 105.7 Es KHCB TX Houston	280 A.Bo IL 1485 J.Pi CA<
Tr WTLN FL Apopka MS None	1035 G.Ha TX   98.7		1765 M.Da FL	Au KFWD TX F	t. Worth 680 A.Bo IL	Tr WOOD MI Grand Rapids	
Au CKDS ON Hamilton	375 S.Re CT	Tr KNUS TX Dallas MS WMDE NC Greensboro	900 M.Da FL	102.3*Es WLFE VT S		MS KHCB TX Houston	1065 J.Eb MN
95.4 Tr XHOX Tampico, Tams	495 G. Ha TX	Au WBFG MI Detroit	1000 G.Ha OK 550 M.Bu CT	Tr KBIC TX AI MS None	lice 970 M.Da FL	Au KHCB TX Houston 105.9 Es WXRA VA Woodbridge	1050 J.Eb MN 1380 G.Ha TX
95.5 *Es WOVV ML Ft. Pierce Tr WTVY AL Dothan		Es WFMI AL Montgomery	1360 F.Me ND	Au WWSR VT S	t. Albans 695 R.Br MI	Tr WAXY FL Ft. Lauderda	
KOKE TX Austin	800 G.Ha TX tie W.Bi FL	Tr WBGM ML Tallassee	855 P.Dy TX		t. Petersbu 1415 B.El MNK		1120 F.Mc ND
MS KBCM IA Sioux City	1010 F. No NY	Au WSPA SC Spartanburg	1025 R.St IN 555 R.Br MI	Tr WBEN NY E		Au KBPI CO Denver 106.1 Es CJOY ON Guelph	685 J.Eb MN 1415 G.Ha TX
*Au WHPE NC High Point	605 S.Ch ON 99.1	Es KBBL CA Riverside	2075 M.Da FL	Au WBEN NY B		Tr KDNT TX Denton	935 M.Da FL
95.7 Es WKEZ VA Norfolk Tr KXXA AR Little Rock	1510 F.Me ND 1040 F.No NY	Tr KODA TX Houston MS WQBK FL Jacksonville	1095 С.Но ОН		an Antonio 1390 P.Sa ON	MS KLOO OR Corvallis	480 J.Je CA
MS KCGM MT Scobey	1140 J.Je CA	Au KGVM ID Idaho Falls	1175 F.Eb MN 595 F.Mc ND	Tr KTFM TX Sa MS KCYS WA R	an Antonio 970 M.Da FLichland 1015 G.Ha NM	Au KDNT TX Denton 106.3 Es KTON TX Belton	655 A.Bo IL 1345 J.Pi CA<
Au WPTW OH Picqua	465 F.No NY 99.3	Es WPLZ VA Petersburg	1440 F.Mc ND	Au KORD WA R		Tr KPAN TX Hereford	1250 M.Da FL
95.9 Es KDHL MN Faribault Tr KRSL KS Russell	1545 J.Je CA<	Tr WEZY FL Cocoa	1080 G.Ha TX	102.9 Es WCCO MN M	inneapolis 1550 J.Je Ca	MS None	
MS CJFM PQ Montreal	665 G.Ha TX 845 A.Bo IL	MS WMFC AL Monroeville Au WAEW TN Crossville	960 J.Eb MN 300 A.Eo IL	Tr KQUE TX H		Au KWO WY Cheyenne	940 R.Br MI
Au KDHL MN Faribault	480 F.Mc ND 99.5	Es WLOL MN Minneapolis	1450 K.Si FL	*Au WBCS WI M		106.5 Es WSFL NC Bridgeton Tr WFML IN Washington	1545 F.Mc ND 975 F.Mc ND
96.1 Es WKTZ FL Jacksonville Tr WKTZ FL Jacksonville	1465 F.No NM	Tr WQYX FL St. Petersburg	975 G.Ha TX		anta Monica 1315 F.Mc ND	MS WSTP NC Salisbury	965 G.Ha OK
MS KFMC UT Provo	1020 G.Ha TX 1050 G.Ha TX	MS WGAY DC Washington Au WKDQ KY Henderson	1380 F.Mc ND 570 J.Eb MN	Tr WZZW GA A	ugusta 540 R.Le LA	Au WDLB WI Marshfield 106.7*Es WRVR NY New York	595 F.Mc ND 1455 F.Mc ND
Au WKLS GA Atlanta	590 R.Br MI 99.7	Es WOOF GA Dothan	1450 F.Mc ND	MS None - Au KJAM SD M	adison 360 F.Mc ND	106.7 Es WRVR NY New York Tr WSDO FL Ft. Lauderds	
96.3 Es KFSG CA Los Angeles	2145 M.Da FL	Tr WMC TN Memphis	925 F.No NY *	103.3 Es KOUL TX S	inton 1540 S.Ch ON	MS WWW MI Detroit	885 G.Ha OK
Tr KLLL TX Lubbock MS WMYQ FL Miami	1190 M.Da FL 1050 A.Bo TL	MS WMNI OH Columbus Au WMC TN Memphis	1080 F.Mc ND ,	Tr KEEE TX N		Au KAZY CO Denver	700 J.Eb MN
Au WJR MI Detroit	540 J.Eb MN 99.9	Es KTSM TX El Paso	590 F.Me MI 1645 R.Se NY	Au WYSL NY B	ichita Falls1345 J.Je CA Auffalo 540 A.Bo IL	106.9 Es KNRO TX Conroe Tr KNRO TX Conroe	1475 J.Pi CA4 1070 C.Ho OH
96.5 Es WMDD PR Fajardo	1990 A.Bo IL	Tr KROB TX Robstown	1170 R.Br MI	103.5 Es KOAQ CO D		MS None	10/0 C.no On
Tr KIOU TX Corpus Christi MS KIOU TX Corpus Christi		MS WVAF WV Charleston Au KFAB NE Omaha	895 G.Ha OK	Tr WSHE FL F	t. Lauderda 1155 G.Ha TX	Au WSWT IL Peoria	560 F.Mc ND<
Au WTIC CT Hartford	555 F.Me MI 100.1	Es WIVE VA Ashland	550 F.Mc ND 1420 F.Mc ND	MS KOA CO D Au KOA CO D		107.1 Es WGRP PA Greenville	1320 G.Ha TX
96.7 *Es CJAB PQ Chicoutimi	1400 F.Mc ND	Tr KMHL MN Marshall	565 G.Ha OK	Au KOA CO D 103.7 Es WEZS VA R		Tr KASI IA Ames MS KDUZ MN Hutchinson	630 С.Но ОН 620 С.На ОК
Tr WFOB OH Fostoria	580 3 E7 MILE	MS CERX AT Lethbridge	955 J.Je CA	Tr KKYK AR L	ittle Rock 1175 M.Bu CT	Au None	
MS None	580 3.EL MN<	Au WIVE VA Ashland Es KIQQ CA Los Angeles	555 R.Br MI 2150 M.Da FL	MS KVIL TX D			1440 J.P1 CA<
Au WJOL IL Joliet .	345 J.Eb MN	Tr KBER TX San Antonio	955 M.Da FL	*Au KIIK IA D		Tr WANS SC Anderson MS WWBA FL St. Petersbu	1000 G.Ha TX
96.9 Es KVMV TX McAllen Tr WINK FL Fort Myers	1465 B.EL MNK	MS KBOX TX Dallas	1100 F.Mc ND	Tr WCLD MS 7		Au WEOL OH Elyria	610 J.Eb MN 19
MS WLAV MI Grand Rapids	1045 G.Ha TX 790 G.Ha OK	* Au WZEN IL Alton	_ 705 S.Ch ON				13
18 Au WLAV MI Grand Rapids	400 J.Eb MN						
10							

PM STATISTICS	ALLTIME FM DISTANCE RECORDS	APRIL 1983					
FREQ PROP CALL LOCATION	MILES DXER, LOC   FREQ PROP CALL LOCATION	MILES DXER, LOC					
107.5 Es WEYO PA Boyertown	1500 G.Ha TX 107.7 MS WWIC TX Beaumon						
Tr WDWQ CS St. George							
*MS KNOK TX Ft. Worth							
Au KPPL CO Lakewood	705 J.Eb MN Tr WIRK FL W. Palr	Beach 1150 G.Ha TX					
107.7 Es WBIV MY Wethersfield	d 1450 P.Dy TX   KS WBT NC Charlot	te 950 G.Ha OK					
Tr WNCT NC Greenville		815 M.Bu CT					
Guide to DXer initials/location							
	Glenn Hauser, Von Ormy TX Jim Pizzi, Sa						
Waldo Bishop, Tallahasse IL		cutt <u>CA&lt;</u>					
Andy Bolin, Charleston IL		ton, New Haven CT					
	Harry Hayes, Gouldsboro PA R. T. Ryan, Victoria BC						
Mike Bugaj, Enfield CT	Carlon Howington, Uniontown OH Rick Samford	Burnett <u>TX</u>					
	John Jefferson, Concord CA Peter Sawatzky, Waterloo ON						
John Combs, Orlando H	Pleasanton CA< Robert Seybol	d, Dunkirk NY					
Robert Cooper, Okla. City OK		Ken Simon, Lake Worth FL					
Mike Dalton, Clearwater FL		Richard Steinberger, Hudson MA					
Neil Dickerson, Sharptown MD	Fred McCormack, Des Lacs ND Ralph Strobel	, Muncie IN					
Pat Dyer, San Antonio TX	Fargo ND< Larry Yogt, S	pringfield VA					
John Ebeling, Eleanington MN	Frank <u>Me</u> rrill, Milan <u>MI</u> Şteve <u>We</u> st, F	lavertown PA					
Prosit MN<	Dennis Moe, St. Ansgar IA Steven Wisebl	ood, Santa Maria CA					
Bruce Elving, Adolph MN	Fred Nordquist, N. Syracuse NYK Richard Wood	Baton Rouge LA					
Duluth MN<	Clay NY	Medicine Hat AT					
Joseph Fela, S. Plainfield W		Cane Girardeau MO					
Saul Chernos, Burnt River ON	David Nieman, Akron NY Jim Ayers, Mu	urfreesboro TN					
* = New distance records since	the previous complete listing of records	n the SEP 1980 VIIIn					
# = This station was heard/log	ged on this frequency (nomally on 89.1).	# 1970 YUD,					

	STATES STATS										
State		#-DXer	State			State	#-DXe	r #-DXer	State	#-DXe	#-DXer
AL	65-dod	54-tm	IN	143-rs	128-ab	NE	28-jj	24-ab	SC	32-je	29-Jb
AK	8 <b>-</b> jj*		IA	90-je	65-ab	NV	15-fm	14-db	SD	25-1m	22-fm*
ΑZ	29-Im	22-je	KS	61-db	41-fn	NH	20-r js		TN	93-ja	72-tm
AR	61-ve	45-tm	KY	79-ab	66-rs	NJ	55-jf	54-res	TX	211-rls	148-ab
CA	224-jj 1	102-fm	LA	53-rls	42-ve	NM	40-ab	30-jj	ŪΤ	18-ab	
CO		49-ab	ME	29-ab	29-rjs	NY		132-js	VT		18-db
CT	43-mb	33-am	MD	38-do	36-jf	NC	60-je	55-db		11-rjs	
DE	11-sw	10-do	MA	84-rjs	67-mb	ND	20-fm		VA	41-je	39-db
FL.		107-ab	ĬΜ	111-rs	93-rw	OH		13-ab	WA	25-jj	20-fm*
GA		46-je	MN				177-rs	124-deb	W۷	27 <b>-rs</b>	24-ab
HI	)2-00 Nome	-0-Je		116-je	86-fm*	OK	76-db	40-fn	WΙ	114-je	90-ab
	None		MS	64-tm	34-In	<b>O</b> R	18-fm	15-jj	WY	14-ab	11-jj
ID		13-rls	MO	85-ab	73-db	PA	114-dn	94-js			
IL	179-ab 1	148-rs	MT	15-ab	14-je	RI	11-rjs	8 <del>-m</del> b+	DC	13-sw/d	ln/js/do

	CANADA A								
	CANADA S				MEXICO	STATS			OTHER FOREIGN STATS
Prov.	#-DXer		State	DXer	#-DXer	State	#-DXer	#-DXer	Ctry #-DXer #-DXer
AT	15 <b>-</b> jj	13-db	BCN	10-fm	9-jp	PUE	4-tm	2-ve	Cuba 1-ab/jf/fn/ks
BC	12-jj	5-17m	CHI	7-ab	ó-fm	SIN	2-jj	2-40	wo/ Ja/211/ KU
MB	14-fm	13-ms	COA	6jp	2-je	SLP	2-tm		
NB	4-cb	2-ris	DF	21 - tm	7-ve	SON		4 /	Guatemala 1-ks
NF	9-fn	6-dn	GTO	2-tm	/-40		1-fm		Jamaica 1-tm
NS	9-cb	8-ab/ac			_	TAM	5-ab	2-je	Puerto Rico 1-dn/ff
ON	68-sc			12-tm	9 <b>~ve</b>	VER	5−tan		-
		67-dn	MOR	1-ve		YUC	1-ab	1-ja	
PEI	1-jf	1-cb/dd	NL	11-ab	4-je			۱ -	

<b>-</b>		KEY TO STATS REC	ORD HOLDS	RS' INITIALS	
Init.	DXer	Dier Location	Init.	DXer	Dier Location
ja jb ab cb deb db mb sc ve je jf jj ff	Jim Ayers John Boldue Andy Bolin Cranston Bonnell Dave Brumfield Danny Buntin Mike Bugaj Saul Chernos Vernon Eaton John Ebeling Joseph Fela John Jefferson	TN Murfresboro NH Nashua IL Charleston	Init. dn fn dod do jp js res rls rjs ks ms rs sw tm	David Nieman Fred Nordquist David O'Dell Daniel Oetting Jim Pissi Joseph Smith	FL Lake Worth MB Amaranth IN Muncie PA Havertown IN Hobart
tm	Tim McVey	TN Bolivar			TN Boliver 73-FRED_

# CENTRAL FM

Ralph Strobel, editor 2300 E. McGalliard Rd. Muncie, Indiana 47303 Deadline: the 4th

April 1983 Report to Central FM if you live in the central states of MN IA MO WI IL IN MI & OH

#### NOTE NEW DEADLINE DATE

Ronald Purdue - Route #1, Box 224 - Byron, MN 55920
Equipment: Realistic STA-111 & Archer "\$tereo Supreme" FM Antenna with Coax Lead-in

1/23 tr 2106 KKEZ 94.5 IA Ft. Dodge, r and MoR 128 2/17 tr 1547 KMGO 98.7 IA Centerville, k 232 1550 KLYF 100.3 IA Des Moines, b 178

What a slow winter for FM-DX! I only logged three stations in January and February alone, along with a four week bout with the flu in January.

Now some local FM news: KFSI 88.5 has dropped \$tereo and is now broadcasting in mono. Don't know why. KLSX 90.7 in Rochester, MN is still not on as yet. Still no news of either KFSI or KLSX in the Rochester Post-Bulletin yet this year.

I hope the forthcoming spring will bring a lot of FM-DX. It will probably be mostly tropo. I won't expect E-skip until next May so that I won't have the chance to try out my new STA-lll Receiver on E-skip until then.

Is pirate WELI still operating in Muncie? (WELI was last heard in early Oct.-RS) I hope to get the new Elving FM Atlas when it comes available so that I can use it for the summer's FM-DX season.

That's it from here in S.E. MN. So I wish everyone a good spring FM-DX season. See you in 30, 73s.

++++

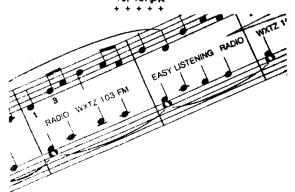
Ralph Strobel - 2300 E. McGalliard Rd. - Muncie, IN 47303 Equipment: McIntosh MR-78; Channel Master \$ Probe 9 at 60 ft.

2/14 tr 0225 CHUM 104.5 ON Toronto, pr\$, many ads 375
"Toronto's ultimate rock, Chum-FM"

2/18 tr 0902 WDPS 89.3 OH Dayton, r, sounded like mono, 87
ex-88.7 at 10 watts, supposed to be 200 watts, but a very poor signal. Hurt by WFPL Louisville.

February 13-14 were good days for FM, but only one new station from Toronto was found. Too many locals and fewer vacant frequencies have resulted in a discouraging situation. We have had beautiful weather here in late February and early March, with temperatures up to 75 degrees. Unfortunately, this hasn't helped the FM band.

Andy Bolin, Charleston, IL, called me today. (March 6) He had E-skip to W. TX and NM. Skip was all the way to 107.9. There were no signs of skip here on FM or TV! I must live in a very poor area for skip. More next time, hopefully!



## NORTHERN FM·DX

SAUL CHERNOS 79 Ridge Drive TORONTO ONTARIO MAT 186

April 1983 (416) 489-8623 till June 1st. Deadline end mo.

COVERAGE... Sick Lombardi of GA writes explaining why reports have been so few. I forgot to say what states Northern covers. Actually, I did mention them in Jan. but there was a mixup in my agreement with HQ. I didn't realize I had cartain states, but will be glad to include them. There was also supposed to have been a list or map...maybe in Dec VUD that got eaten by South Suburban IL P.C. (got Feb already & fast...good going!!!!) So...AK,CT,HA,ID,ME,MA,MT,NE,NH,NJ,NY,ND,OR,PA,RI,SD,VT;WA,MB,WT. Also: Canada and other countries. Only one question...should DC not be in Southern as VA,MD,etc.....???

Nick also expresses concern re my comments Jan. re superfluous comments. He wants info to be included with loggings such as format heard, slogans, etcetera... So do I if a reporter wants to include such. I haven't always done so, myself, but am rethinking & may do so by my next report. In Jan. VUD I also said to say as much as needs to be said re your DX. Nick was worried the column would look like one big list. That will not happen. Anything pertaining to FM DX is not superfluous. If anyone else has concerns, write or phone. And you don't have to be in Northern country to do that!

Daniel E. Oetting - 2882 Old Cedar Grove Rd - Broomall PA 19008 Jan. 31 1983

Well, it finally happened. After 10 years of waiting, 100.3 MHz has finally been reoccupied by a Media PA stn. WAUR went out of business(was forced off by FCC see my comments at end -ed) and off the air in 1973 leaving 100.3 vacant until now. WKSZ now broadcasts 24 hours a day on 100.3 from a 500 ft. high tower only 2 miles away from me, in
Newtown Square PA. WKSZ, a 50,000 watt station, is causing images & bleeds & transmitter
mixing products all up & down the the entire FM dial. Rats! When I had my external antenna pointed to the NW, it was really noticeable. On 11/15 I decided to see what I could
do, so I went up to the attic to rotate the antenna a little. (Full rotation is impossible
due to construction of attic & size of antenna.) WKSZ tower is to the West. I decided to
rotate my antenna from previous NW position to a more Northerly one, by several degrees.
It had been pointed at exactly 315°, and is now about 330°. With the antenna change, DX
has improved a bit in terms of images and bleedovers, but it looks like my DX will be

Local newspaper <u>Center County Press</u> reported The station calls itself KISS-100-FM, and ironically went on the air after a Federal court argument which sounded like a lovers spat with neighboring radio station (98.9 Philadelphia) WUSL. Both claimed the right to use the KISS title. The court gave the first round to WKSZ by issuing a temporary restraining order against its Roxborough rival." WKSZ is MOR. WUSL now uses the POWER 99 FM slogan.

(EDITOR'S COMMENT: May I refer you & all interested in seeing an incredible story to some articles on WKUR. WKUR lost license as ignored US 1934 Fairness Doctrine. Then owner set up FIRATE off Cape May to protest. Fun reading... NEMSWEEK 24 Sept/73, p.93; New York Times: 1972,73,74...23 articles in all; check a NYT index or write me.)

Nice Tropo on 11/22 and a surprising aurora on 1/9.

0CT.82 3 Tr	NOV. (cont.)
0810 WWOR 100.5 NY Rochester, rm 250	1225 V.Good S. Delmarva (DE MD VA ? -ed).
1835 WKSB 102.7 PA Williamsport, r 130	2120 WSEA 93.5 DE Georgetown, r 90
5 Tr	(I've locals on 93.3 & 93.7.)
1413 WQSU 88.9 PA Selingsgreve, c 105	2120 V.Good Tidewater.
(WXPN off-air)	2141 WSFL 106.5 NC Bridgeton, rs 360
10 Tr	2159 WNCT 107.9 NC Greenville, m 330
2040 WMDM 97.7 MD Lexington Park, r 135	2210 WESP 106.3 MD Cambridge r in gd.115
11 Tr	2259 WRVQ 94.5 VA Richmond, r 200
1320 WDNH 95.3 PA Honesdale, rm	2330 WRFK 106.5 VA Richmond, c 200
1935 WSPI 95.3 PA Shamokin, r "spy-95" 90	2340 WEZS 103.7 VA Richmond, rm
NOV.	(FZ-104-FM) 200
1 GW	2359 MDYL 92.1 VA Chester, g ID 215
1620 WKSZ 100.3 PA Media, mr "Kiss-100"	DEC.
(equipment tests) 2	29 Tr
21 Tr	2159 WYRK 106.5 NY Buffalo, k 270
0825 Good New York City-Peekskill NY & SW CT.	ŕ

1700 V.Good Wash. DC to Albany NY.

1733 WMDN 97.7 MD Lexington Park,r 135

ZZ2259 WING 92.1 NY Sag Harbor, sibning off. 190

(cont...)

#### (Oetting contines)

To Tr 2005 WQSU 88.9 PA Selingsgrove, p (WXPN off air) 105 Au (peak at 2028, A-Index was 60) 2 unid French: 88.1, 88.7, both parallel. 2100 WKSU 89.7 OH Kent, j ID 325 73's, Dan.

(Ed.: My guess is 88.1 Sault Ste. Marie, ON 1700 watts; 88.7 either Chapeau PQ 2300w. or New Glasgow NS 1200w. I'm not too sure re 88.7, let me do some checking-I'll get back)

#### Saul Chernos - 79 Ridge Dr. - Toronto Ontario MAT 1B6

	Dec.8	2					Dec. (cont	<u>)</u>	
	27 Tr	_					28 Tr		(arrest ann)ann
					Rochester & are			93.1 MY Syracus	se (CHAY OFF)175
	0039	WRIF	101.1	Ш		280 120	<u> 29 Tr</u>		
					Detroit	280	1255 CHAY		about 50 air miles
٠,	0647	<b>WMKC</b>	102.9	МІ	St. Ignace	315			100 watts" per
	4				for few days)				n weakvery; my
	0704	WKAR	90.5	ΜI	E. Lansing	330		worst pest beco	
	0729	WDKX	103.9	NΥ	Rochester	120	2330 <u>MEOS</u>	89.7 NY Geneva	150
	0729	WNIC	100.3	MΙ		295	Au		
	0741	WLIZ	98.7	ΜI	Detroit	280	2349 WCMU	91.7 MI Alpena	
j	0810	WREO	97.1	OH	Ashtabula	225	2358 wkar	90 5 MI East Lamode)	ansing (new to
	0816	WHCU	97.3	NΥ	Ithaca	195	30 Tr	modo	330
	0900	CBEE	95.1	ON	Cha.tham	245		89.7 OH Kent	290
	0905	WABX	99.5	MI	Detroit	280	0071 14120	O) at On house	2,0
	1011	WAJC	94.7	ΜI	Birmingham	275	On Dec 29	got my Sony TE	M 1102 hooked to
	1019	WLBS	102.7	ΜI	Mt. Clemens	?	my TV towe	r. More sensit	ive than Zenith Trans
	1025	WOMC	104.3	MI	Detroit	280			efore. Can hardly
					Detroit	280		e what it duz t	
	1040	WCMU	89.5	ΜI	Mt.Pleasant	325			eturned for a few
	1040	WOMIL	91.7	ΜI	Alpena // 89.5	?			site to WTFDAer
	1050	WDTR	90.9	ΜĮ	Detroit	280			at the cliff I
	3000	1.82 1.0	702 0	MT	Torra Citra	A.C.	TITLE HOTEL	no no distribu	

I sure as heck don't get the East too easily.

Southern Ontario/Western NY Diers report 500 plus mile tropo to H. IN OH KY... around Feb. 13/83... I missed as in Ottawa, but if YOU had some, feel free to brag about it.

Please excuse any typos, messiness in this month's column. I hurt my right arm & can only type with the left. Nothing serious tho so will be back to form nextmo. Please note reports should reach me at end of month if to be printed immediately. 73'9520

BLVD.

ARDMORE

250



1059 WKJC 103.9 MI Tawas City

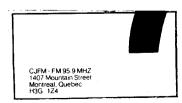
WZ

The Downtown Mall • Meadville, Pa. 16335



got blocking the East...just yards from my

QTH. Thats why I get lots of Detroit ... cuz



Logos from: Mike Ehrhardt, Alden, NY

23

451

462

377

304

376

## SOUTHERN · FM DX:

1312 N. Skyline Stillwater, OK 74074 DEADLINE: 5th

Danny Buntin, editor

ES. TROP ACTING UP EARLY AS NEW SEASON APPROACHES??

Jeff Kadet, 7204 Connecticut Ave., Chevy Chase, MD 20815 Equipt.: McIntosh MR 78, Channel Master UHF (TV) Diamond Quantum up 25. (have a Stereo Probe 9 still in the box; my landlady won't let me put it up, but I hope to move soon.) 11/23 tr 2207 WCTD 107:1 MD Federalsburg, next 77 0209 WMYK 93.7 NC Elizabeth City, K-94, r to super local WRQX 107.3 0221 WCRF 99.3 NJ Atlantic City, r 11/22 tr 2/15/83 tr 0121 WJRZ 100.1 NJ Manahawkin 160 0203 WIBF 103.9 PA Jenkintown, funky g

Roger Winsor, 14 Manor Terrace, #107, Marco Island, FL 33937

This is my first time reporting to this section of the VUD because I have recently moved down here from Indiana. Work got so bad up north that it necessitated this move. I have already found a job; while not real high paying, it is better than nothing as before. FM here consists of the Naples stations and Bonita Springs on a regular basis. Mornings often sees Miami/Ft. Lauderdale with also West Palm Beach and Key West. WIAI 97.3 seems to be the most consistent Miami station along with WINZ 94.9. Locally, WIEQ 95.9, Bonita Springs, if rock, not a bad sounding station, not soul as previously reported. WSWF 107.1 is now WOOJ and nonID as Orange 107 with rock. They are in Lehigh Acres. 99.3 and 90.1 in Ft. Meyers are not on the air, the same for 101.1 Marco Island. Nobody seems to know anything about this grant. Skip should be interesting with the band wide open except for 93.5 and 94.5. My dad has a stereo, but no outside antenna yet, as he is content to hear Seaview and nothing more. I'm going to work on something so I can DX better.

As expected, the AM dial is loaded with Cubans all // to each other with about three different networks. At night, AM is totally useless with all the hetrodynes and Latin stations. Even the regional frequencies are Spanish. WCBS 710 is the only strong English station day or night.

I'm not starting any station totals yet because I'm not sure if I am staying here, but it does seem like it at the present, if the economy doesn't pick up in Indiana.

Today, 1/17, a front came through opening up central FL. I had access to dx on a car radio and noted quite a bit, as follows:

88.1 WWCG is not on yet, same for WKPX 88.5 Sunrise 88.5 WMNF Tampa strong with bluegrass req. 88.9 WDNA Miami strong w/jazz/blues 90.1 WSFP Ft. Meyers not on yet 90.3 WAFG Ft. Lauderdale strong w/gospel ann. 24 hr. 90.7 WMFE Orlando strong w/cl 91.1 WCIE Lakeland on new freq., ex 91.3 94.9 WYNF Tampa strong o/WINZ w/YNF, nonID 95.5 WOVV Ft. Pierce nonID FM 96, r 95.7 WMGG Clearwater, Magic 96 w/r, ex WCKX 96.7 WVSI Jupiter w/calls, no WCEZ heard 100.3 WXOS Plantation Key, k day, old 40's night 101.9 WHEW Ft. Meyers, heard mention WHEW/WNYR nx. so will change 102.5 WSRZ Sarasota, hrd. w/p "SRZ" nonID, no 102 1/2 102.7 WCKO Miami, nonID, K-102 w/rock 103.1 WIMC Okeechobee, now WOKC "OKC" nonID 103.9 WRCC Coral Gables, now r day, c night 104.5 WEAT W. Palm Beach, still m, not r as reported 106.3 WWOJ Avon Park, o/WAFC "OJ" w/m mx

All DX done between 1800 and 2000 before front passed through. Class A stations from east coast heard as far north as Jensen Beach and Vero Beach w/fair signals. My radio has an automatic muting, so it was hard to listen to them. Now for some gulf tropo, as the band is wide open here except for 2 locals and 2 strong Miami stations. Good DX to all.

Tim McVey, Rt. 3, Box 568, Bolivar, TN 38008	- 8/82 to 1/83 CST	_
8/1/82 Es 1235 X??? 93.1 JAL Guadalajara 1343 Others in from 1235-1255; XHOY 90.7, XHJL 91.5, XHSC 93.9, XHDK 94.7 & XHRO 95.5	2040 KICA 107.5 NM Clovis, k 80 2042 KBIM 94.9 NM Roswell, b	25 <b>0</b> 8

8/13 tr 1405 WSIP 98.9 KY Paintsville, r mono, ads 15 KHBQ 107.1 TX Canyon, r 1947 KPAN 106.3 TX Hereford, L, tentative 1415 WBMC 103.9 TN McMinnville, m 1417 WCSO 91.5 TN Signal Mtn., ID, wx 048 KWAS 101.9 TX Amarillo, g 2051 KKQQ 99.1 NM Clovis, k, not sure 1430 WRAF 90.9 GA Toccoa Falls, t about call, but heard sister CKLV-AM ment. 1432 WSMC 90.5 TN Collegedale, c.new freq. 2055 KSEL 93.7 TX Lubbock, ID, ads 744 8/25 tr 2058 KFMX 94.5 TX Lubbock, a.o.r.. ID 2212 WDEN 105.3 GA Macon 2105 KTQM 99.9 NM Clovis, r 2216 WESC 92.5 SC Greenville, k 2220 WSSL 100.5 SC Laurens, k "whistle-100" 2115 KKLR 97.7 OK Edmond, k, ID (Now folks, this is getting ridiculous. I 2232 WFBC 93.7 SC Greenville, m "94-FM" don't know what records there are for CLOSE-2245 fades off until around midnite, when IN Es. but the next few loggings almost Knoxville, by golly, peaks again in full \$... don't qualify as DX!)(Rec. is about 450.DB.) 8/26 tr.cont. 2116 KRPT 103.7 CK Anadarko 0015 WXLK 92.3 VA Roanoke, r "K-92" 2117 KLAW 101.5 CK Lawton, prev. tr 0023 WTOR 104.1 NC Winston-Salem, k, ID 489 2118 KATT 100.5 OK OKC 491 0037 WWID 106.7 GA Gainesville, r 2120 KLNK, KEBC, KKNG all from OKC 0043 WLOS 99.9 NC Asheville, b previously by tr. 0058 WPVR 94.9 VA Roanoke, b 0059 WSAI 94.1 OH Cincinnati, k, ID 2124 KTZA 92.9 NM Artesia, m 0100 WLAK 93.9 IL Chicago, b 2129 KATX 97.3 TX Plainview, k KLLL 96.3 TX Lubbock, k ...13 states in one hour! 0906 WVCP 88.5 TN Gallatin.s 9/16 tr Quickie-check shows East TN(340-400 2100 Stations in St. Louis, and central IL in super strong, with all the Knox-2220 KRNA 93.9 IA Iowa City, r alle biggies in full quieting stereo..... 46 WLOS 99.9 NC Asheville, b, 2307 WASK 105.3 IN Lafavette, k m-9-9-point-9"This is an extreme test 2316 WWVR 105.5 IN West Terre Haute. ID my tuner's alt. channel selectivity! 2352 WSWT 106.9 IL Peoria, b 247 WCKQ 103.9 KY Campbellsville, ads, Q104 2356 WJMM 106.3 KY Versailles, ID 9/17 tr 259 WHUB 98.3 TN Cookeville, ID 302 WKQQ 98.1 KY Lexington, aor 0845 WCLW 105.3 OH Mansfield, Party Line 508 303 WAMX 93.7 KY Ashland, r 0847 WNCO 101.3 OH Ashland, k 0937 WSAI 94.1 OH Cincinnati, k "94-country" 1307 WXKG 95.9 TN Livingston, r, mono 1315 WOVO 105.5 KY Glasgow, r "wo-vo" 0947 WLLS 106.3 KY Beaver Dam, k, ads, LS-106 319 WKEE 100.5 WV Huntington, ads. ID 0956 WPFR 102.7 IN Terre Haute, r 1043 WFCJ 93.7 OH Miamisburg, g 1330 Nashville, Knoxville, and 250-mile 1045 WCKV 103.5 OH Hamilton, s 1051 WSKS 96.5 OH Hamilton, aor "Kiss-96" range stations are pegging the signal 1100 WTFM 98.5 TN Kingsport, b new cl 362 weter and so strong they're generating

aburs in my tuner... This concludes the last Bolivar, TN DX report you will see from me, as I am now away from home year-round. I will probably have few stations to report in the future, as I plan to make several "guest appearances" this summer, and I have left the equipment and intenna installed. I will update my FM Stats for Mr. Nordquist one last time and then Start all over again from zero in my new FM DX location: Huntsville, AL. The equipment n Bolivar was a JVC JT-V22 stereo tuner and Finco FM-5 ant. w/rotor. Now I have upgraded to a JVC(of course)T-X30 stereo digital tuner and a cheap folded dipole in the top floor of an apartment building on top of a hill in west Huntsville. I have, in the past, never used a trap or preamp, choosing to experiment with antenna designs. Here I may have to fool with traps since my antenna is cruddy (Ed. note: For a suggestion, why not set up an outdoor directional yagi in the house? For instance, John Zondlo used a half of a Channel Master 4408 mounted at ceiling level in his apartment. (I guess he had to housebreak it. hi.) For results, he received 1000 mi. trop(from VA to CK) and a 10 watter via Es!) I sure will miss Bolivar and its fantastic location for DX, but checks here are extremely promising and I have already heard more stations in one week than in 46 weeks of DX-less Knoxville! By the way, the new JVC tuner has rated selectivity of 65 db and sensitivity of 0.9 vV. (must be through 75 ohms rather than 300, DB) So, as the immortal Scotch(drinking)poet R. F. Burns once said: "I've stood in line for days and days; But I've never stood for standing waves!" (Find a better poet, DB.) 73's.

	<del></del>	
	Danny Buntin, 1312 N. Skyline, Stillwater, OK	74074 - Feb. 7 to Mar. 6 CST
	3/2 tr 2258 KLOL 101.1 TX Houston, ID, r 460	2300 KUT 90.5 TX Austin, ID, ex. 90.7 410
1	2258 KLOL 101.1 TX Houston, ID, r 460	3/6 Es!
	2300 KSBJ 88.1 TX Humble, ID, g	1802 KQYN 95.7 CA 29 Palms, ID, r 1050
	Nice to see the tr and Es trying to get st	arted early. I hope the trend keeps up. 73.

Please report your FM DX to this column if you're from: AL AR AZ CA CO DE FL GA KS KY LA MS NC NM NV CK SC TN TX UT VA & WV. Get in last year's DX before summer starts.

# WESTERN TV-DX

Fred McCormack Box 5221 State University Sta. Fargo, ND 58105

April 1983

Deadline: 4-29-83

A big welcome to the new reporters from Wisconsin and Illinois! DX conditions should be picking up soon, and I am looking forward to regular reports from all active DX'ers.

A couple of reminders would seem to be in order in anticipation of a good reporting year. Please try to submit your loggings every month or two to keep the information current. Please be sure to specify each month what time standard you are using. Please include distances with your loggings; especially tropo loggings. I took the liberty of calculating distances for some of the loggings of two reporters who did not include them this month. I think it makes a DX report much more interesting and meaningful to DX'ers who may not be aware of distances from your area.

Unfortunately, DX of note has been scarce here. I have noted tropo conditions picking up here during some of the recent warm weather with loggings on UHF out past 300

miles, but nothing exceptional.

Locally, KVNJ-15 has been in full operation since February 14. Any of you who can see this one will have a real catch. They are running from about 0800-2400 CLT during the week and start a little later on Sunday, I believe. Programming consists of old television shows much of the time, informational programming from Satellite Program Network, and the Independent Network News. I think their programming mix will have some appeal, but at least to date, picture and sound quality have left something to be desired. Good luck, DX'ers!

New\_\_\_\_

.. ....

New Mode\_ \_

Tentative - t

Unidentified - unid

Nathaniel Ely, 1237 East Johnson St. (Apt #2), Madison, WI 53703

CDT/CST

Equipment: 1980 Zenith System 3 w/remote control (19"), Quantum 1110/ RMS balun, RG11 cable, Channel Master 7' dish w/4990 preamp, RG11 cable, CD rotor.

M	ay 1	1982			9	tr	0130	WPBN	7 MI	215	6	tr	2137	WGTU	29	MI	215
10	0 tr	0117 WWTV	9 MI	215	27	tr	0005	WGTQ	8 MI	360			2145	WUAB		OH	400
		(With Arch	ner V-19	50			0010	WWUP	10 MI	<u>360</u>				WKBD		MI	315
		UHF- Arche												WDHO		OH	310
		with AC499	00 indoo	ors.)	Ju	ly 1	982						2206	WCLO		OH	400
1	1 tr	2100 WCFC	38 IL	120	- 5	tr	0830	WSJV	28 IN	185				(STV)			
12	2 tr	0038 KAAL	6 MN	185	6	tr	0146	WLUC	6 MI	265			2300	WWMA	17	MI	190
		0053 KGAN	2 IA	135			0229	KPLR	11 MO	310				WEWS		OH	400
		0154 KSTP	5 MN	235	12	tr	0018	<b>WM</b> BD	31 IL	165				WIVS		MI	315
13	3 tr	· 0000 WSBT	22 IN	185			0039	WICD	15 IL	200			2330	WGPR		MI	315
		0005 WEEK	25 IL	165			0102	WRAU	19 IL	165				WEYI	25		270
		0034 <u>wndu</u>	16 IN	185	24	tr	1529	KTCA	2 MN	235	7	tr	0000				315
		0051 WHME	46 IN	185			1815	KELO	11 SD	<b>400</b>				WPTA			245
14	4 tr	0026 WLRE	26 WI	120			1859	KDIN	11 IA	245			0030	CKC03		ON	<del>480</del>
	_	0316 WZZM	13 MI	185	25	tr	0300	KOMO	5 MO	405				WAKR		OH	415
19	5 tr	2100 WGVC	35 MI	<u> 185</u>	26	tr	0115	WAND	17 IL	225			0145	WRHT		ΜI	190
		2140 WHRM	20 WI	130	29	tr	0745	WTVP	47 IL	165			(STV	-wx r			
4		2201 WOTV	8 MI	185			0800	WNIT	34 IN	185				WXYZ		MI	315
		1800 KYIN	24 IA	200			0810	WKJG	33 IN	245			0433	WJKW	8	OH	400
2	tr	0200 WCCO	4 MN	235			0818	WFFT	55 IN	245	18	tr	0042	WLKY	320	(IN)	400
		KMASP	9 MN	235			0830	WBTI	64 OH	360			0100	WFIE	140	(KY)	375
		4-00						(STV)					0122	WEHT	250	(KY)	375
		1982		_			0900		20 IL	230			0259	WIVW	7		375
- 1	) Es	1816 <u>CKCK</u>	2 SA		29		0929		57 OH	310		Es	1730	WESH	2	FL	1092
		(1st Canad					0940	WHMB	40 IN	280		tr	1828	WILL			200
		received	ere.	st													
		Es here.)	10 777				1982				Sej	ote	nber	1982			
	τr	2040 WAEO	12 WI	175	2		1415		28 WI	175	- 8	tr	0216	WTVG	13	OH	310
	: 4	2059 KEYC	12 MN	245			1430		18 WI	165	20	tr	0125	KIMT	3	ΙA	200
	) CI	0045 WOI 0211 KCCI	5 IA	245	_		1435		36 WI	220	23	tr	0201	WJMN	3	MI	215
		0211 KCC1	8 IA 13 IA	245			0312		41 MI	<u> 190</u>			(Quai	ntum 1	110	and	AC-
		1514 WPWR	60 IL	245 120	4		1400		10 MN	285				pream			
		1600 KIIN		140	_		1430		13 MI	<u> 265</u>				e the			
		KRIN	12 IA 32 IA		ל		0130		10 MI	240	29	tr	1546			IL	<u> 280</u>
			66 IL	135			0201		13 IN	<u> 280</u>				WNEM		ΜI	270
)	tr	0818 WFBN	00 TF	120		-	0310	WKZO	3 MI	165	30	tr	0030	WGEM	10	IL	280

Western IV DX		
Nathaniel Ely (continued)	28 tr 0337 <u>K14AD</u> 14 MN <u>315</u> (Willmar KSTP-5)	<u>December 1982</u> 1 tr 1800 WUCM 19 MI 270
October 1982  1 ms 0335 unid ch 2  (Giant meteor burst,	0337 <u>K32A</u> F 32 MN <u>270</u> (St. James KSTP- 5) 0340 <u>K24AE</u> 24 MN <u>370</u>	2 tr 0735 <u>KTIN</u> 21 IA <u>230</u> 5 tr 1920 <u>KCAU</u> 9 IA <u>360</u> (audio only) 13 tr 0106 KAVT 15 MN <u>185</u>
lasting 30 seconds or more. Saw The Waltons	(Alexandria KSTP-5)	me 0505 CKND# 2 MB 680
very strong. Like someone turned the lights on!)	0341 K30## 30 MN (Unknown KSTP- 5) (This is K30AC at	17 tr 0113 WXIX 19 OH 375 21 tr 2240 WUSI 16 IL 300
21 tr 0920 WFBT 29 MN 235 (7' dish w/AC-4990 up	Marshall, MN. fm)	January 1983 17 gw 2002 WVCY 30 WI 75
at 16' above roof. ) 1000 KTMA 23 MN 235 22 tr 0730 KOZK 21 MO 460	0341 unid ch 30 (automated time,date, weather, Muzak, ads for Alexandria.)	(Just started programming the 2nd week in January.)
28 tr 0030 WBLN 43 IL 190 31 tr 0120 WLFI 18 IN 215	(This is K3OAF, LPTV at Alexandria. fm )	February 1983 4 tr 2250 KXLI 41 MN 300 7 tr 1304 WFSL 47 MI 190
November 1982 8 tr 1128 KDNL 30 MO 310 (STV)	0420 K20AC or K20AD (KSTP- 5 translator)	14 tr 1646 WYCC 20 IL 120 (The old ch 20 returns
22 tr 0524 <u>WLIO</u> 35 OH <u>310</u>	0500 K22AC 22 MN 340	as "Your City College")

April 1983

I am 34 years old, single, and have no experience with amateur radio or electronics. My interest began years ago, hopping around my room with odd pieces of wire, trying to bring in stations after the local stations had signed off. I work second shift at a local hospital, so I do most of my TV-DX in the late night hours. I occasionally DX FM, but my main interest is TV.

(Brainerd KSTP-5)

Local conditions are rather difficult for DX'ing, especially on the VHF band. Our aging CATV system kicks out quite a bit of RFI. In addition, all night stations from Milwaukee and Chicago keep things jumbled up. There is quite a bit of overload from WISC-3 (an all night station) as well as a state station at 88.7 MHz. I removed my 2950 preamp from the VHF antenna because trapping ahead of it decreased overall gain on all channels. I want to try a CATV channel trap from PICO if I can find one ("70 dB rejection"). The overloading from the three local UHF stations seems much more tolerable. My antenna installer warned me that I should not tune to the local stations when my antennas are pointed in their direction because it may damage my tuner. That was a new one on me. Is there any truth to this?

Well, that's about it for now. I really like this club and especially like reading

the reports from the members in the area. 73's, Nate

0543 WFYI 20 IN 280

(With regard to your question, about damaging a tuner with too much signal; I am sure it can be done, but I have put some pretty strong signals into tuners and haven't seen it happen. In my experience, the television will experience picture quality problems due to the overload at lower signal levels than those which may cause damage to the circuitry. fm)

Marvin Shults, RR#1, Toulon, 1	TL 61483	CDT/CST?
July 1982       9 tr 0820 WOAC     67 OH     440       12 tr 0800 WSFJ     51 OH     400       25 tr 1030 WKOI     43 IN     295	26 gw 1815 WELN 43 IL 45 29 tr 1300 KNLC 24 MO 195 November 1982	17 tr 1059 KYFC 50 MO 1059 KSHB 41 MO 1100 KTSB 27 KS KMEG 14 IA
August 1982 5 tr 2240 WICU 12 PA 515	25 gw 1000 WRSP 55 M0 (New call)	KSIN 27 IA 1115 KTMA 23 MN <u>320</u> 1118 WFBT 29 MN <u>320</u>
September 1982 8 tr 1559 W67AL 67 OH 460 (Eastlake WVIZ-25)	December 1982 26 tr 0859 <u>WFSL</u> 47 MI <u>290</u>	1230 KAVT 15 MN (rare) 1300 WTCN 11 MN
1730 <u>W64AF</u> 64 NY <u>535</u> (Sherman WNED-17) 1830 W64AK 64 OH <u>48</u> 0	<u>January 1983</u> 14 Es 0815 WLBZ 2 ME	1315 KYNE 26 NE 2145 <u>KXLI</u> 41 MN <u>355</u> 2200 KTMA 23 MN
1830 W64AK 64 OH 480 (Conneaut WVIZ-25) 2315 CFMT 47 ON 560	February 1983 14 gw 0930 <u>WYCC</u> 20 IL <u>130</u>	(STV-North Stars hky)

I have omitted the relogs of all stations except for new ones through the remainder of 1982. Since the UHF translator DX guide lists both Sherman, NY and Conneaut, OH as W64AF, I also listed them in the same way. (I show Conneaut as W64AK. fm).

When KTMA-23 was running their test pattern, they had Marvin Shults (continued) "Spectrum Signal Test Tape" plastered on the screen along with KTMA, channel 23. Minneapolis; all the time being in the scrambled mode. I hooked

up my "Simple Simon" decoder to see if I could unscrambled them, but to no avail.

When I was receiving W67AL, I was surprised because there was no sign of Canton 67. I have one more tidbit in passing concerning WWMA-17, Grand Rapids, MI. WMA stanneds for Western Michigan Alternative. 73's, Marv

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

CST?

January 1983	13 tr 1200 WCET 48 OH 400	19 tr 0647 WYCC 20 IL 177
27 tr 2000 WKHA 35 KY 553	WXIX 19 OH 400	(Chicago, Illinois
WK.SO 29 KY 538	2107 WKON 52 KY 437	20 tr 0720 W55AS 55 WI 100
WTVQ 36 KY 473	14 tr 0659 WTVQ 36 KY 473	(Milwaukee WCIU-26)
WKLE 46 KY 473	WKLE 46 KY 473	,
28 tr 0755 KOZK 21 MO 589	WKHA 35 KY 553	Mostly run of the mill
KMTC 27 MO 589	WLKY 32(IN) 437	DX'ing during the past
0758 KSNF 16 MO 633	WDRB 41(IN) 437	month.
0801 KCBJ 17 MO 450	WKON 52 KY 437	WYCC-20 was running a
KPOMt 24 AR	WCET 48 OH 400	RETMA TP with call letters
1749 Springfield, MO	17 tr 1948 KCBJ 17 MO 450	when I saw them. They're
U's still in,	KOZK 21 MO 589	operated by Chicago City
but much weaker.	KMTC 27 MO 589	Colleges and have a rather
KDNL 30 MO 432	KDNL 30 MO 432	limited schedule. Tonight,
30 tr 1359 KDNL 30 MO 432	(Over WVCY-30 )	they were on from 1900-
31 tr 1840 WTVQ 36 KY 473	KNLC 24 432	2130. I didn't see them
WKLE 46 KY 473	(Over WCGV-24 )	this morning.
	1952 KTVP 29 AR 683	W55AS was also booming
February 1983	2009 KSHB 41 MO 525	in here yesterday with a
8 tr 1936 KDNL 30 MO 432	KCPT 19 MO 525	snow free picture. (As was
11 tr 2247 KDNL 30 MO 432	KYFC 50 MO 525	everything else from the
(Over WVCY-30 )	18 tr 0600 WPTT 22 PA 480	south end of Lake Michigan)
12 tr 0707 KDNL 30 MO 432	WPGH 53 PA 480	With the advent of
13 tr 1200 WDRB 41(IN) 437	0700 WFMJ 21 OH 420	warmer weather, more good

Ronald Purdue, Route #1, Box 224, Byron, MN 55920

WLKY 32(IN) 437

WKPC 15(IN) 437

CST

tropo activity should be

possible.

Equipment: 1982 RCA XL-100 Color, J.C. Penney 5" B&W Portable, Winegard CH-7084 with Winegard AC-9880 Pre-amp at 28' AGL.

WKBN 27 OH 420

WYTV 33 OH 420

January 1983			February 1983			12 tr 174	8 KHIN	36 IA	257
15 tr 1751 KMEG	14 IA	218	6 tr 1340 WEEK	25 IL	278			12 MN	
1753 KSIN			12 tr 1348 KMEG	14 IA	218	17 tr 150			
19 tr 2045 WLEF			1357 KCAU	9 IA	218	153	3 KYFC	50 MO	362
2047 WAEO				11 IA	178	19 tr 202	OHW 0	13 IA	178
23 tr 1525 KDIN				8 IA	178	203	1 WOI	5 IA	178
tr 1639 KSIN	27 IA	218	1730 WHO	13 IA	178	204	1 KCCI	8 IA	178

January seems to be a poor DX month while February has been good for TV DX. There was some tropo ducting during the first part of February. Many stations that I did not bother to log except for WEEK-25 on February 6.

I manage to log all of the Des Moines TV outlets except for KCBR-17, in that city, which I believe is not on yet. The same with WWQI-25 in LaCrosse, Wisconsin which is also not on as of now. (Any ideas about WWQI-25?).

In other local TV news, KXLT-47 in Rochester will not be on until late this year or early next year. Construction has not begun on the transmitter as yet. It will be a coowned satellite of KXLI-41 in St. Cloud, Minnesota.

That's about it for this report. I hope to see the "TV Statistics" column soon in the VUD. See you in 30. 73's.

Alan Millmaker, RR6, Box 78, Centralia, IL 62801

CST

February 1983 13 tr 1804 WCIU 26 IL 245 28 2230 WKEF 22 OH 275	13 tr 2231 <u>WTIU</u> 30 IN 145 (CCI from KDNL-30 )	14 tr 0709 <u>WXIX</u> 19 OH <u>250</u> (Snow free)
28 2230 <u>WKEF</u> 22 OH <u>275</u>	14 tr 0700 <u>WLKY</u> 32(IN) <u>180</u>	0725 <u>WTVQ</u> 36 KY <u>260</u>

Alan Millmaker (continued)	18 gw 1900 KNLC 24 MO <u>75</u> 2001 WDDD 27 IL 65	19 tr 0900 WBAK 38 IN 105 gw 0900 KDNL 30 MO 65 2200 WICS 20 IL 90 tr 2330 WBHT 25(KY) 95 22 tr 0750 WRSP 51 L 95 0900 WTVP 47 IL 145
14 tr 0800 <u>WBTI</u> 64 OH <u>250</u>	tr 2155 WVUI 22 IN 90	2200 WICS 20 IL 90
16 gw 1700 <u>KFVS</u> 12 MO <u>75</u>	2200 WICD 15 IL 125	tr 2330 WEHT 25(KY) 95
1900 WPSD 6 KY 90	2230 WAND 17 IL 100	22 tr 0750 WRSP 55 IL 95 0900 WTVP 47 IL 145
17 tr 1655 WCIA 3 IL 115 2202 WHBQ 13 TN 235	2300 WFIE 14(KY) 200 2330 KTEJ 19 AR 200	0749 WEEK 25 IL 145
gw 1400 WTVW 7 IN 100	19 tr 0730 WHMB 40 IN 195	1827 WTHI 10 IN 105
tr 2230 <u>WPTY</u> 24 TN <u>230</u>	0830 WFYI 20 IN 185	23 tr 1651 WTWO 2 IN 105
18 aw 1730 WSTII 8 TI 30		

I am using a Channel Master Quantum 4257 with a Radio Shack amplifier. It's up about 30 feet. My plans are to get the 25 dB gain amplifier designed for this antenna and to get it up to around 45 feet, which should help greatly. I video tape all of the

My TV is a 13" Sears portable color, and my VHF antenna is a Winegard model up at 25 feet. WCEE, channel 13 independent, is testing with programming for the week of 2/28 -3/6; so far just in the evening here from 7-10 PM. They have trouble with their audio. which seems to me to be off frequency.

Independent channel 30, KDNL, St. Louis, Missouri is now 24 hours a day with regular programming effective 3/1/83. They said they had only 10,000 customers on their STV service, and along with the economy, they decided to drop it. They were using the Zenith system and called it "PREVIEW." 73's.

## EASTERN TV·DX

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

pril 1983

Western TV DX

Deadline: 1st

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ĬÕ.	TT 22	OSLIE	O L A LAM	ΔT.	385	25	'l'r	1710	WD1U-2	AL.	305	יו די	0850	WILIMIA→+U	AL 1	10
8		08ኩ7	WDAM_7	MS	382	30	TΤ	1225	WN GE-2	TN	129	14 T	r 0845	WI VW-/	LN 2	275
		0905	WKRG-5 WBMG-42	ΑL	385	-		1430	WSMV-4	TN	11		1315	WRBL-3	GA 2	224
		1040	WBMG-42	AL	145			1455	WBBJ-7	TN	260	15 T	r 0905	WHIQ-25	AL	105
		1050	WIIQ-41	ΑL	240			2040	WALA-10	· AL	385		0910	WZIV-17	TN	129
			Demopol:	is				2200	KAT V-7	AR	459		0378	WCTE-22	TN	102
						31	Tr	0824	WATL-36	- GA	. 113	17	Es 131	O KWGN-2	2 00	1317
ar	uar	y 198	33			_		0827	WANX-46	GΑ		18	Tr 082	4 WTTO-2	IA L	145
			CBFT-2	PG	1086	,		0830	WTVK-26	TN	110	)	082	8 WVTM-1	.3 AI	. II
16	Tr	1831	WT VW-7	TN	275			3-					083	2 WBIQ-1	Ā ĀI	. 11
_		1920	WCTE-22	TN	ī05									O WBMG-1		

The first two months of 1983 have been fair compaired to last year when I had six days with Es. Ive only had two so far this year.

Now here is my top twenty Es stations received for 1982: KMID-2-43times, KWCN-2-41; KUSD-2-24; KTCA-2, XHRPM-2-22; KNOP-2-21; KPRC-2, XHAO-4-20; KOA-4, WLEZ-2, CKPR-2-19; KGFE-2-18; KSNC-2, KDIX-2, XEPM-2-17; KAMR-4, KOAA-5, KXJB'-4-14; KDBC-4, KRGV-5, KTXT-5, WGHH-2-13. Equipment: RCA 12" portable.

Richard Reese; 421 Marion St., Jersey Shore, PA 17740 (717)-398-1521 EDT January 1983 3 Es 2120-21+5 Unideds 2,3; South February 1983
6 Ae 2102-2205 Unided-3; WRCW spurty. 29 Tr 0930 WTNH-8 CT .230 1130 WFMJ-21 OH 195

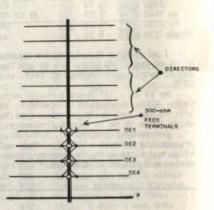
Just writing to report that there is really nothing to report. By the way, my Unided on 7/20/82 was CKNC-2, not CKWC-2. Hope conditions are better in March. (Amen-wd)

### EXPERIMENTS WITH A

BILL by THOMPSON

### HOMEBREW FM YAGI PARTTWO

Last month, I started to detail my homebrew project to try to build an FM DX antenna, using old antenna parts to modify a commercially made model. The antenna I based my modifications on was obtained a few years ago primarily to experiment with. Back then, it was sold by Radio Shack as their model 15-1638. Perhaps as a result of some bad reviews, they replaced it with another design, and now called the 15-1638A. Both the 15-1638, and the "A" version were made for RS by the now defunct Antennacraft company.



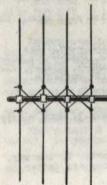
The original 15-1638 is a ten element model, on a 10 foot boom: six directors, three driven elements in log-type configuration, and a reflector. Perhaps

due to both close element spacing and the three-element driven section, it proved to be a poor antenna for forward gain. In fact, one independent lab was surprised to find that it only showed 5.5 dB gain, compared to a half wave dipole, at 98 MHz--very strange for a ten element design.

It seemed to me that the number of directors, as well as the poor feed section, contributed to the problem. As mentioned last month, as more directors are added, antenna feedpoint impedance gets lowered, and that makes it hard to transfer signal current to your lead-in--which "expects" to "see" a 300-ohm impedance at the antenna terminals for maximum efficiency.

Using parts of other old Antennacraft antennas, a drill, a tube cutter (to prune elements to desired lengths), and assorted hardware (metal screws, nuts, bolts, etc.), I first set out to make a <u>four</u> element feed section. This consisted of four half-wave dipoles, connected with a transposed feed line (i.e. "criss-crossed" 300-ohm line), in log type configuration as shown below. The four driven elements, shown as DE1 to DE4 in the diagram, were cut to be resonant as follows:

DE1 DE2 DE3 DE4



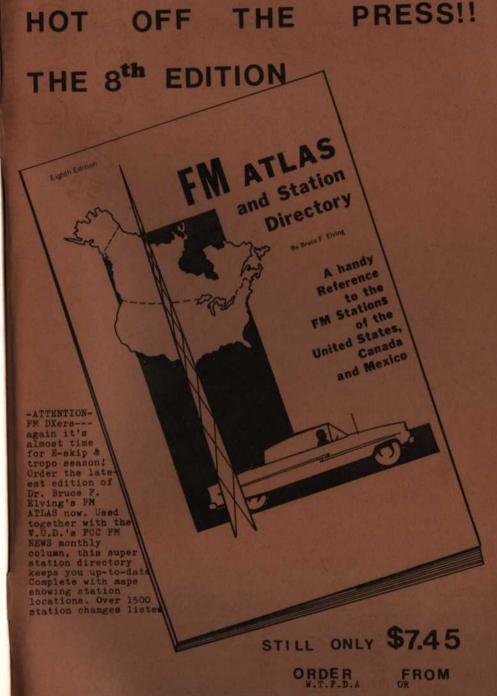
DE1 -- 108.0 MHz
DE2 -- 101.4 MHz
DE3 -- 94.7 MHz

DE4 -- 88.0 MHz

As can be seen, the shortest one is made to be resonant just above the top of the FM band, and the longest, just below the bottom limit.

In any log-type array, the broader the frequency range to be covered, the greater number of driven elements necessary for good performance across the entire range—and this is true even when you combine the log principle with a basic yagi design of multiple directors, feed (driven) section, and reflector.

In the next part of this series, I'll detail my element lengths and spacings, and report on what I found out about this homebrew design when put into use as a DX antenna at about 40 feet above ground level.



"FM Atlas," 4515 Avenue "E," Kearney NE 68847, U. S.A.