

From The STAFF

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

YOU'LL LOVE NEW YORK...We're hoping to see you at Staten Island for the 1982 WTFDA Convention, hosted by Jerry Pulice. If you need information, check page 4 for the important details. As part of New York City, Staten Island can be reached easily by most of WTFDA's membership. If you've never been to one of our conventions before, now's the time. Meet your fellow TV, FM and PSB DX enthusiasts from all over, and check out some films, tapes, slides, DX photos, and DX related literature. Learn more about your hobby. You can even learn more about other areas of DXing, as many of our members are also shortwave, broadcast band, utility, amateur, etc. enthusiasts. Don't miss it!

ANARC REPRESENTATIVES NEEDED...WTFDA needs two members to step forth to assume the responsibilities of ANARC representatives. ANARC, the Association of North American Radio Clubs, is an organization of DX clubs that exists to further the DXing hobby. All major DX clubs are ANARC clubs, and this important body of DXers has the goal of providing a common line of communications between them. We need a couple of DXers to be our ANARC delegates, and they should be active members who are interested in improving relations with other DX clubs who are willing to keep in touch with ANARC. If you have a broad interest in DXing in general, and are willing to keep in contact with fellow DXers, voting on various matters as WTFDA representatives, this could be for you. Please don't let these positions go unfilled. We need to maintain good relations with DX clubs all over the continent, and ANARC is the best way to do this, with some of North America's most active and enthusiastic DXers active in ANARC affairs.

WE NEED YOU...As you may have seen here last month, we are in need of volunteers. We need a club Circulation Manager; this volunteer will prepare mailing labels for VUD mailings and maintain the membership list. We cannot afford to have this position unfilled for any lengthy period. If you think you can help, please write HQ at the above address. Secondly, we need a new MAILBOX editor. This important column cannot go dormant for a lengthy period either. Unlike the past, it will not be necessary for whoever volunteers to be our new Mailbox editor to also be circulation chief. Please, get involved with your club. Let's hear from you soon!

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MAILBOX

John Zondlo
1308 SW 74th, Apt. 421
Oklahoma City, OK 73159
(405) 681-5991
Deadline: 5th

Renewals:

Roger Bortree, Saul Chernos, Ernie Cooper, Tim Cronin, Richard Eckman, John Griffiths, Michael Lapinski, Ron LeBlanc, Lowell McCown, Tim McVey, Fred Nordquist, Edward Ritchie, Jr., Ken Sarkozy, Bob Seybold, William Smith, Edwin Tharp, Bob Umhoefer.

Address Changes:

Gary Holland-1939 W. Berridge Lane, #17-Phoenix, AZ 85015
 Greg Ledbetter-400 N. 40th Ave., Lot B-18-Hattiesburg, MS 39401
 AA Vince Pearlingi, II-USS Forrestal (CV59)-OA Division-FPO Miami, FL 34080

Renewals Due in August:

Jim Ayers, Artie Bigley, David Brumfield, Roorevelt Crawford, Joe Pela, Paul Gaines, Steve Grimm, Tom Huehn, Robert Langridge, Jr., John Lentz, Albert S. Lobel, Rick Matthew, R. Thomas McGregor, David Moody, John Parillo, Floyd Perry, Don Ruland, Richard Turcsany, David Walcutt, Dave Wardell, Paul Wardell, Jim White, Ron Wing.

Tidbits.....

A few words from Saul Chernos get us started this month: "Ann Landers isn't the only one who has been using old material. At least she changed the senders names. If you'll compare the December '81 and April '82 VUDs, you'll notice jz ran my letter twice (re the pirates on FM). He even had something to say about my letter...both times, and there was at least some variety in his comments. So those of you out there thinking that I've gone senile...I've not (heck- I'm only 20... gimme a few years)(maybe I have...I'm only 29; actually, it ran twice because I believe you can never get enough of a good thing...and if you believe that, I have some nice land in Gotebo for you to check out-jz). My list of FM stations in Canada is filed by frequency. No book listing will be published, as I feel FM Atlas does a fine job. My lists were pretty close to Mr. Elving's...a few minor differences, all of which will be sent to him to check out...I could just as easily be wrong. I am processing my AM data now, and TV will be done either by me or by another DXer. I will be happy to solve any Canadian UNIDs if I can. Send them to me along with your local TV Guide and I'll reply, along with my own local one (newspaper guides are OK, too). Therefore, no return postage is necessary. I can still QSL Toronto, Ottawa, Lindsay, Peterborough ON stations, too! (Though QSLing seems to be fading out with the latest postal rate raising...I, myself, no longer QSL.)" Saul's address is 79 Ridge Drive, Toronto, ON M4T 1B6.

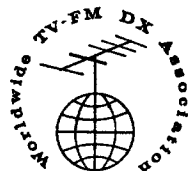
Next up is Ronald Purdue: "The Winegard AC-9880 was installed by the Antenna Service on May 14, 1982, and I was impressed by this particular preamp. It brings in superb performance on KAVT-15 in Austin MN and KYIN-24 in Mason City, IA. However, I have to get all the bugs out of the system. I have to put in a channel 10 and a KFSI-FM (88.5) trap, plus the UHF tuner may have to be replaced (it is misaligned and has dirty contacts). After a two week study, here are the results:

Call	Channel	Location	Previous Pix	Present Pix
KAVT	15	Austin, MN	Passable	Excellent
KTCI	17	St. Paul, MN	Inferior	Passable
WQOW	18	Eau Claire, WI	Unuseable	Marginal
WXOW	19	LaCrosse, WI	Inferior	Passable
KYIN	24	Mason City, IA	Passable	Excellent
WHWC	28	Menomonie, WI	Inferior	Passable
WHLA	31	LaCrosse, WI	Marginal	Passable

I am also anxiously waiting for KTMA and WFBT to go on this summer after I get the RCA XL-100 fixed and those traps installed. I'm also thinking of petitioning to the FCC to allocate more full power TV frequencies in the Rochester-Austin-Mason City market, because there are just too many network pre-emptons for religious specials, sports programs, etc. I may also put in a Winegard Chromester antenna (VHF-UHF) by next winter."

See y'all next month.....73.....jz

come to WTFDA's 14th annual convention



STATEN ISLAND, N.Y. (NEW YORK CITY)

JULY 30 - AUGUST 1

It's almost time for VHF/UHF DX enthusiasts' annual gettogether! Just a few days from now, TV, FM and PSB DXers from all over will be on New York's own "DX island"--Staten Island. Home of international TV DXpert Jerry Pulice, Staten Island has everything you'd want for a DX convention. Just a few miles away from the Big Apple's hustle and bustle, the Island is more of a suburb than a big city itself--yet midtown Manhattan is just a short trip away, on the famous Staten Island Ferry--guaranteed to be one of the most inexpensive sea voyages you can take anywhere!

You're invited to attend. All DXers are welcome, regardless of area of DX interest. You'll find that most avid VHF/UHF DXers are also shortwave DXers, mediumwave DXers, and so forth. Amateur radio and computers also are the interest of a lot of WTFDAers, so while our program will concentrate on TV, FM and PSB DX, there's also quite a lot of other things to talk about. If you have never been to a WTFDA convention before and have been considering attending this one, don't hesitate! Everyone fits in, and you don't have to be an expert--but you'll probably meet a few!

At the moment, plans are being finalized, and the program is taking shape. Here's what you can expect. Friday traditionally is an informal day, as many arrive and register that afternoon and evening. This is the time for gab sessions, get-acquainted sessions, a look at other DXers' photos and verifications, slides, and maybe even a few equipment demonstrations.

The convention will get into full swing on Saturday, the 31st. The day will be filled with talks and demonstrations, and you'll find something of interest for just about anyone in the club. Topics covered will be on everything from low-noise UHF TV DX preamps (including demonstrations of some really advanced state-of-the-art homebrew units, employing GaAs FETs). The afternoon's activities will be highlighted by the traditional banquet. Following the meal, we'll have an after-dinner speaker. This will be followed by a technical question-and-answer session. We'll also be taking time to view some films and videotapes, and some of them are very interesting indeed. Jerry has many tapes of F2 TV DX from Europe, and it could well represent some of the most astounding TV DX you'll ever see.

We may have a few surprises on the program, and we promise some great humorous segments, too. For starters, there are such video "classics" as Jerry's guest appearance on the Uncle Floyd Show. What's the Uncle Floyd Show? Well, it defies description here, but it's taped at nearby WWHT-68. Come and see for yourself!

Sunday morning includes the annual WTFDA club business meeting, a chance for you to meet members of the Board of Directors. Here's the chance for you to voice your opinions and make suggestions for improving the operation of your club. We'll be looking for volunteers to help perform various club duties, and we'll welcome any criticism you might have.

The formal part of the convention activities close at the end of the club business meeting, and the rest of the day will see most DXers depart for home. At the end of the business meeting, we'll be asking for bids for the 1983 convention.

To register for the convention, you can use the form that appeared in last month's VUD. Registration fee, payable either in advance or at the door, will be \$20, and covers expenses and refreshments.

1982 Convention Headquarters is the Conca del Oro motel, 2322 Forest Avenue, Staten Island (212) 448-2211. Room rates are very reasonable for the area for the duration of the convention.

If you'd like to attend and need exact directions to the motel, be sure to ask for them and include a SASE. Jerry will provide you with a map. If you plan to arrive via plane, be sure to make Newark International your destination. The N.Y.C. area has three major airports, but those who are familiar with the area can tell you that New York traffic is so complex and heavy that you can spend hours going from the other two airports to the Island. Newark is but minutes away via taxi from the convention site.

For information on getting from the airport to the convention, be sure to tell Jerry when and where you are arriving. Taxi service is available, but unless you know the local area well, can be expensive. Jerry can advise you.

For a xerox copy of a map of the area and instructions on how to get to the motel from where you are arriving, contact Jerry at home at (212) 979-3577. During the work day, you can reach him at (201) 287-3200. Please do not call collect.

DON'T DELAY!!! Send your registration form to:

Jerry Pulice - 3201 Richmond Road - Staten Island, NY 10306

you'll love N.Y.!!!

Bill Fahber
336 Atlantic St.
Bridgeton, NJ, 08302

RETROSPECT SEVEN:
AFTERMATH
(CONTINUED)

We left the UHF situation hanging last month with the FCC turning a deaf ear to the pleas of de-intermixture from the television industry. It was feared, and for good reason, that UHF could not compete in areas where it had to compete with VHF, because of higher operating costs, lack of popular network programming, lack of interest by advertisers, lack of receivers capable of receiving UHF ("all-channel" receivers), and public apathy in installing the proper equipment for receiving UHF.

But as the FCC began to realize that the "UHF Handicap" would frustrate their original intentions, to provide at least one television station to each community, it began to reconsider de-intermixture. (De-intermixture is a general term used to describe various proposals which would remove UHF assignments or VHF assignments in some or all cities having both.)

In May, 1956, the FCC suggested two possible plans for de-intermixture. One proposal was to split the United States into two zones with a line extending from Chicago to New Orleans. East of this line would be only UHF stations, where there were more available channels for the higher population; to the west of the line would be VHF stations only. It would take an estimated ten years for the transition to be completed. The transition would not need to be sudden; a station changing from one channel to another could broadcast on both for a period of time. The FCC was hoping that within ten years technical improvements would have reduced or eliminated the shortcomings of UHF, thus reducing the economic impact on the stations which would be changing to UHF.

A second alternative proposed at the same time was to give 168 major metropolitan areas with intermixed assignments a choice of either all VHF assignments or all UHF. The FCC would also take action to avoid assigning a VHF channel too close to an all-UHF city, which would adversely affect its UHF stations.

On June 25, 1956, the FCC published a Report and Order, proposing a plan of de-intermixture to thirteen communities. The Report also invited comments on a proposal to eventually eliminate VHF television completely. An estimated ten-year transition would be needed, with the same terms as suggested in the May proposal. The FCC had also considered reserving 30-60 mhz for ionospheric scatter communications and mobile services. Also in the Report was expressed the need for more engineering facts with respect to UHF. In order to obtain these facts, the FCC

instituted a "crash" program of UHF research and development, with the ultimate hope of clearing the way to move all television to UHF. Five groups were called together to represent the television industry: The National Association of Radio and Television Broadcasters (now NAB), The Radio Electronics Television Manufacturers Association (later the Electronics Industries Association), The Association of Maximum Service Telecasters, the Joint Council on Educational Television, and the Committee for Competitive Television. This organization would later become known as the Television Allocation Studies Organization. Its purpose was not to make any suggestions to the FCC, but to perform engineering studies with which the FCC could take further action.

On March 16, 1959, John C. Doerfer, chairman of TASO, delivered its report to the FCC as the NAB convention. One major point in the report was the concept of a "critical distance" from a television transmitter, beyond which the picture quality rapidly diminished. The critical distances were: 65 miles for lower VHF channels, 55 miles for upper VHF, 40 miles for the lower end of the UHF channels, and 30 miles for the higher UHF channels. In order to define picture quality, TASO had to develop a grading system of picture quality: 1=Excellent; 2=Good; 3=Passable; 4=Not Quite Passable; 5=Poor; 6=Unusable.

Also in the report, TASO stated that UHF antennas and television sets were less efficient than VHF-only antennas and sets. But due to the manufacturing nature of some of the TASO representatives, TASO could not become involved with the development of receiver equipment because of the potential for antitrust violations.

TASO developed new field strength charts and terrain roughness figures which were later adopted into the FCC's methods for predicting coverage areas and field-strength contours.

After several meetings to discuss the TASO report, the FCC adopted a discouraging outlook on the future of UHF. Another idea began to brew in the minds of the Commissioners. If the military was willing to give up its use of certain VHF frequencies in exchange for higher frequencies, then the FCC could set aside 216-444 mhz for an additional 38 VHF channels, contiguous to existing channels 7-13. (Actually, 300 mhz, or one meter wavelength, is the divider between UHF and VHF, but this would still be an improvement over the present 470-890 mhz band presently for UHF)

But at the same time another idea was proposed by Commissioner John S. Cross, who suggested that all broadcasting be limited

to the existing VHF channels, with stations being supplemented by a system of translators operating on the UHF channels. At that time, FCC rules for licensing translators were only less than three years old, and there were only a few hundred translators in existence. Commissioner Cross also warned that the proposed frequency swap with the military would involve major changes in the frequency allocations spectrum, which would result in major problems with international agreements, particularly Canada and Mexico.

The move to shuffle television channels and de-intermix cities eventually died down. Only a handful of cities were ever de-intermixed. Eventually the FCC came up with another idea: require that all television sets manufactured in the United States or imported to the U.S. be capable of receiving all 82 channels. On April 30, 1964, this rule took effect, along with other rules requiring a certain sensitivity to weak signals and ease of channel selection. This was perhaps the greatest boost to UHF television.

Manufacturers complied with this new rule, but UHF was still looked on as surplus equipment. VHF "rabbit ear" antennas were often installed in portables, with no UHF antenna. Earlier remote-control sets could not turn to a UHF channel by remote control.

In the seventies, several rules were made by the FCC requiring that sets with VHF antennas also have UHF antennas built in. Stricter noise level limits were established, making greater sensitivity.

But UHF progress was still slow, and in 1978 Congress ordered the FCC to look into the problem once more, and the FCC established the "UHF Comparability Task Force" to study the matter. The results of this task force are described in the 10/81 column.

The FCC has gradually learned to accept UHF with its weaknesses despite the dissatisfaction of Congress. The FCC had a contract with the Rand Corporation from 1973 to 1976, in which Rand forecasted the growth of UHF television to assure sufficient assignments and proper use of the spectrum. This was followed up in 1976 to 1978 by the UHF Task Force (not the same as the previously mentioned task force). This task force studied the relative merits of alternative uses of the UHF spectrum. That work is presently done by three other groups: The Private Radio Bureau (responsible for land mobile technology), the Broadcast Bureau (responsible for translators and LPV), and the UHF Comparability Task Force.

The FCC, after receiving the UHF Comparability Task Force's final report on the UHF Handicap study in September, 1980, made the report available to the public, and made this comment as a summary:

"We believe that a fully competitive and prosperous UHF service, regardless of how it compares with VHF, will achieve the diversity of television services long sought by the FCC and the Congress. Judging from the growth of UHF stations and their increasingly profitable operation, and the demand for UHF

television stations as shown by applications to the FCC, this goal is now beginning to be achieved, and will be additionally fostered by the recommendations we have made."

Will UHF someday be on a par with VHF? Will it really attain the diversity the FCC hopes for? Perhaps that will be the RETROSPECT of the next generation.

REFERENCES: BROADCASTING magazine, various dates. Radio & Television News, various dates. (formerly Radio News, later became Electronics World, after which it was absorbed into Popular Electronics.) Federal Register, various dates. Major Matters Before the FCC, published in 1981. FCC Reports, Fiscal Years 1953 through 1956.

RETROSPECT will again be a regular feature in the 11/82 VHF-UHF Digest. It will not appear during the next few months in order to make way for the heavy reporting to the DX columns. This will also allow me to work ahead on a new series of topics. RETROSPECT will take on a different aspect, depending less heavily on FCC regulation and technical statistics, and more toward a nostalgic view of the early years of television DX. We'll look at an age when DX was the only way for many people to watch television, an age when one appliance dealer, anxious to sell TV sets to a community with no feasible way to receive television signals, came up with an idea that revolutionized the TV industry, an age where people transmitted signals for hundreds of miles from an old outdated World War II bomber, an age where some desperate television watchers tried to get in some distant television signals, and got much more than they ever expected, logging stations over a thousand miles away while most people couldn't get in stations only a hundred miles away.

APPLICATIONS FOR NEW BROADCAST STATIONS

CH	ERP	HAAT	CITY/STATE/APPLICANT
11	166	1220	Charleston, WV; National Communication Affiliates of W. Va.
18	5000	1308	Cocoa, FL; Glorious Christian Academy
22	500	164	Key West, FL; Pappaport Communications, Inc.
35	4315	1573	Kerryville, TX; Hispanic American Broadcasting of Texas, Inc.
38	1170	1306	Roanoke, VA; Roanoke Media 38
43	3373	2209	Clovis, CA; North Star Communic.
43	1057	2145	Clovis, CA; Solid State Components Corporation
36	16.8	228	Davenport, IA; Maycrest College
23	1009	913	Buffalo, NY; Western New York Public Broadcasting Association
65	1191	1013	Defiance, OH; Community Television Association
65	248	512	Defiance, OH; Harlan & Donna Kriete
61	3042	1443	Houston, TX; Alameda Broad'ers
61	4781	1957	Houston, TX; Alliance Bc'g Corp
61	5000	1957	Houston, TX; DHL BroadcastingCo
61	5000	1382	Houston, TX; Third Coast Bc'ers
52	212	1899	Carolina, PR; Radio Vida, Inc.

APPLICATION MODIFIED
 CH ERP HAAT CITY/STATE/APPLICANT
 64 1520 1459 Kannapolis, NC; Focus Telev.Co.

CONSTRUCTION PERMITS GRANTED BY THE FCC
 62 1000 882 Syracuse, NY; The Great Onondaga County Television Corp.
 29 3192 ? Wilmington, NC; Wilmington Telecasting Corp.
 3 100 1830 Glenwood Springs, CO; Western Slope Communications, Ltd.
 17 3043 1261 Des Moines, IA; Independence Broadcasting Corporation
 28 186 482 Cookeville, TN; Joseph Williams

APPLICATIONS DISMISSED BY THE FCC
 • Glenwood Springs, CO; channel 3; High Country Television, Inc.
 • Hartford, CT; channel 61; The Great Hartford County Telecasting Corp.; Hartford Television, Inc.
 • Des Moines, IA; channel 17; Columbia Iowa TV Ltd.; Greater Des Moines Vision, Ltd.; Kaplar Communications, Inc (formerly 220 Television, Inc.).
 • Syracuse, NY; channel 62; Comark Television, Inc.
 • Kannapolis, NC; channel 64; Focus Broadcasting of Kannapolis, Inc.; Kannapolis Television Company (formerly Cabarrus Television Corp.); Cape Fear Television, Inc.

APPLICATION TO MODIFY CONSTRUCTION PERMIT (By way of explanation here, this section refers to applications to modify a construction permit of a new station not yet on the air, or a new station already on the air but which has not yet been granted a license (WDPB for example), or an existing licensed station which has been granted a construction permit to modify existing facilities, and wishes to modify that construction permit.)
 63 5000 1556 Oxnard, CA; KTIE; (TL to South Mountain, 2 miles southeast of Santa Paula)
 66 104 453 Marlborough, MA; WGTR-TV
 64 141 945 Seaford, DE; WDPB
 9 306 929 San Antonio, TX; KLRN (TL to Calaveras Lake near Foster Rd.)
 26 2844 1610 Green Bay, WI; WLRE
 40 3390 880 Tallahassee, FL; WTWC
 51 1500 923 Ocala, FL; WBSF (TL 1 mile north of State Road 318, on County Rd. 5W near Orange Lake.
 28 ? ? Charleston, WV; WVAH-TV (TL to south side of Poplar Fork Road, 1.53 miles north of U.S. Route 60, near Scott Depot)
 43 501 720 Tomah, WI; WTMB-TV

CONSTRUCTION PERMIT MODIFICATION GRANTED
 33 845 1919 Springfield, MO; KSPR (Also, WHCT, ch. 18 in Hartford, CT, was granted a modification, which was later rescinded.)

APPLICATIONS TO CHANGE EXISTING FACILITIES
 40 5000 1511 Sacramento, CA; KTXL
 6 100 932 New Orleans, LA; WDSU-TV
 22 120 n.c. Las Cruces, NM; KRWG-TV
 61 2218 974 Chattanooga, TN; WRIP-TV
 48 1170 1900 Huntsville, AL; WAFF
 11 60.3 1634 Chicago, IL; WTTW

Applications to change (continued)
 17 2355 919 Buffalo, NY; WNED-TV (TL to Whitehaven Road, east of Harvey Road, Grand Island)
 22 759 1190 Salem, OR; KECH-TV
 9 316 996 Grandview, WV; WSWP-TV

CHANGES IN EXISTING FACILITIES GRANTED
 12 122 2249 Helena, MT; KTVG (began 4/13/82)
 65 1900 n.c. Vineland, NJ; WRBV (temporary)
 67 1820 440 Smithtown, NY; WSNL

CALL LETTER APPLICATIONS: NEW STATIONS
 CH C.L. CITY/STATE/APPLICANT
 39 WZLZ Miami, FL; 39 Broadcasting Co.
 23 KBSI Cape Girardeau, MO; Cape Girardeau Family Television, Inc.
 19 WLCN Madisonville, KY; Life Anew
 29 KVHP Lake Charles, LA; Lake Charles Electronic Media, Inc.
 28 WKWR-TV Cookeville, TN; Joseph Williams

CALL LETTER APPLICATIONS: CHANGE EXISTING
 56 WNVV Fairfax, VA; WIAH

CALL LETTERS ASSIGNED: CHANGE EXISTING
 4 KCRL Reno, NV; KCRL-TV

CALL LETTERS ASSIGNED: NEW STATIONS
 5 KNPB Reno, NV; Channel 5 Public Bc'g.
 20 KQFB Tacoma, WA; Family Broadcasting
 2 KSAP-TV Santa Fe, NM; New Mexico Media Co.
 33 WTUV Utica, NY; Broadcast Facilities Co.
 27 KREM-TV Reno, NV; High Country Broadc'g.
 51 KLMB-TV Longview, TX; KLMB-TV, Inc.
 42 KLPH-TV Paris, TX; KLMB-TV, Inc.

SUBSCRIPTION TELEVISION AUTHORIZATIONS
 53 KALL Fresno, CA.
 59 WSMK Indianapolis, IN.
 60 WBSB-TV Chicago, IL.
 60 WPCR-TV Chicago, IL.
 30 KDNI-TV St. Louis, MO.

CONSOLIDATED HEARINGS
 • Kannapolis, North Carolina; channel 64; Focus Television Company, A Joint Venture (proposes STV; merger of Kannapolis Broadcasting Company (formerly Cabarrus) and Focus Broadcasting of Kannapolis, Inc. Note references under "Application Modified" and "Applications Dismissed.")
 • Portland, Oregon; channel 40; Cascade Video of Oregon, Ltd.; TS-3 Communications, Inc.; Portland Television Associates, Ltd.; Vinco Communications, Inc.; Allied Broadcasting Corp. All five applicants propose over 1000 kw ERP with transmitters within 250 miles of the Canadian border, which means that Canadian approval will be required before the permittee could exceed 1000 kw. Canadian approval is not a condition on receiving a construction permit.
 • Athens, Georgia; channel 34; Edward M. Johnson; Georgia Mountain Corp.; Sunbelt Television, Inc. There is an apparent contradiction in Sunbelt's application, since it indicates a directional antenna pointed north, whereas its predicted coverage map evidences an omnidirectional antenna.
 • New London, Connecticut; channel 26; CTV of Connecticut, Inc.; Connecticut Yankee Broadcasting Company. CTV later modified its application to propose a transmitter location

which would be short-spaced with the proposed WHCT-TV (channel 18, Hartford) transmitter by 3.2 miles. (minimum separation being 20 miles) To avoid involving WHCT-TV in this hearing, CTV is in the process of modifying its application again with another transmitter site.

RESULTS OF CONSOLIDATED HEARINGS
 • Burlington, NC; channel 16; Construction permit granted to National Group Telecommunications; Application by Carolina Christian Broadcasting was dismissed.
 • Buffalo, New York; channel 49; Construction permit granted to Bison City Television 49, Ltd.; application by Unific Broadcasting Company was dismissed.
 • Murfreesboro, Tennessee; channel 39; Construction permit granted to Channel 39 of Murfreesboro, Inc; application by Family Television, Inc. was dismissed.
 • Birmingham, Alabama; channel 68; Construction permit granted to Birmingham Family Television, Inc.; application by Celtic Media Inc. was dismissed.
 • Glenwood Sprgs, Colorado; channel 3; Construction permit granted to Western Slope Communications, Ltd.; application by High Country Television, Inc. was dismissed.

NEW STATIONS ON THE AIR
 • WGXA-TV, channel 24, Macon, Georgia. 1290 kw ERP; 800' HAAT; TL at US 23-29S, seven miles from Macon City Limits; began 4/21/82. Russell-Rowe Communications, Inc.; no current address available at this time.
 • WATX-TV, channel 54, Arecibo, Puerto Rico; 11.78 kw ERP; -219' HAAT (below average terrain!) Coordinates for the transmitter are 18-28-28; 66-43-36, which would seem to put it right in downtown Arecibo. Began 4/9/1982. Arecibo Video Corp.; Box A, Arecibo, PR, 00613.
 • KZLN, channel 60, Harlingen, Texas; 4570 kw ERP; 1410' HAAT; TL 2.3 miles northeast of Santa Maria; began 5/5/1982. Texas Consumer Education & Communications Development Committee, 2300 W. Highway 77, San Benito, California, 78586.
 • WWSW, channel 66, Opelika-Auburn, Alabama; 132 kw ERP; 518' HAAT; TL 7.5 miles east of Opelika; began 5/16/1982; RCH Broadcasting, Box 870, Opelika, Alabama, 36801.

CHANGES IN THE TELEVISION TABLE OF ASSIGNM'TS
 Shawnee, Oklahoma: add 30z

CHANGES IN STATION IDENTIFICATION APPLIED FOR
 • KOUS-TV, ch. 4, Hardin, MT to ID as Hardin-Billings, Montana.
 • WTVZ, ch. 33, Norfolk, VA to ID as Norfolk-Virginia Beach-Hampton-Newport News-Portsmouth-Chesapeake

FORUM
 Ronald Purdue has been doing some researching of his own, and learned directly from the FCC that KTMA-TV, ch. 23 in Minneapolis, hopes to begin broadcasting on 9/1/1982. KTMA-TV's studio is right next to WFBT-TV, both in Bloomington, Minnesota. Ron expects that WFBT-TV will be on by the time the July VUD's arrive (late August? -wbf) Ron also questions the ERP and HAAT of WTMB-TV, ch.

43 in Tomah, Wisconsin. Apparently there has been conflicting references. The Data Base list has 174 kw and 710' HAAT. Apparently one reference was quoted as saying 945 kw ERP. Anyway, WTMB-TV sent in an application to modify its construction permit in May. They propose 501.2 kw with a 720-foot HAAT. Bill Draeb sent in a newspaper clipping reporting that the proposed channel 26 in Green Bay recently applied to the FCC to modify its construction permit. They are applying to change the antenna height from 500' above ground to 1436' (1610' HAAT -wbf) and the power from 250 kw to 2800 kw. They hope to be more competitive with other stations.

Tom Yingling reports that WTKK, channel 66 in Manassas, Virginia, is back on the air after being off for about a month. He also sent in an article from the Baltimore Sun about Low Power Television. While focusing on the Charlotte, North Carolina, area, from where the writer must have been writing, it forecasts the possible future of LPTV by taking a look at the type of applicants for LPTV. Three possibilities mentioned are: (1) thousands of new stations offering local programs or satellite-linked programs as an alternate to the big networks; (2) a chance for minorities and small business to get into the television business; and (3) perpetuation of the big business industry already present.

Speaking of newspaper articles, the 5/30 Camden (NJ) Courier Post contained an article about the possible effects of the state budget cuts on the future of the New Jersey Network. Executive Director George MacInnes warns that the network could go off the air if funds are cut. NJN depends heavily on state funding. The opening sentence shows the commonly-held misconceptions about New Jersey: "New Jersey may lose its only television stations if the Legislature adopts proposed budget cuts...." That same paper carries program listings for two commercial stations in New Jersey.

We laid to rest one CCI mystery last month between two stations on channel 3 in the Southwest. I hate to do this, but a good tropo opening on 5/17-18 showed more CCI oddities. Firstly, WSNL in Smithtown, NY and WMPB in Baltimore, both ch. 67, were pretty close to 15 kHz apart. Somebody goofed. Has anybody else in the club noticed this? Also, I tried to receive the new ch. 64 in Providence, RI, but couldn't get anything more than CCI over WDPB (ex-W6AAS, Seaford, DE). The CCI varied from about 180 Hz to about 1 kHz, when the two stations should be 10 kHz apart. I don't care what their license says; WDPB is still translating.

That's it for this month. Still waiting for LPTV rules to be published in the Federal Register. I hope to see some of you in Staten Island at the Convention.

FM NEWS

Bruce F. Elving, Ph.D.
Adolph MN 55701 (summer address)
Contributions welcome!

FM STATIONS GRANTED

CA Willows 105.5 3000 h.v.; 120'; mk
AK Anchorage 106.5 k 100000 h.v.; 99'; rp
AZ Green Valley 3000 h.v.; 170'; rock; 92.1 MHz
AR Russellville 100.9 3000 h.v.; 300'
CA Stockton K228AN \$, g 93.5 (KEBR 106.5 Sacramento relay)
CT Hartford *90.9 1000' 50' CT-Ed. Television
FL Homosassa Springs WXCXV 95.3 3000 h.v.; 300'; m
FL Sunrise *88.5 3000 h.v.; 100' (Sunrise is at 26-10-38; 80-15-24); School Bld., Broward City.
GA Martinez 94.3 3000 h.v.; 300'; m [Radio 10 Twin Falls *90.7 18000 h.v.; 3280'; g; Christian/
IA Bloomfield 106.3 3000 h.v.; 300'
MN Montevideo 105.5 \$, m, 3000 h.v.; 300'
MO Kirksville 93.5 910 h.v.; 505'; rock
MO Knob Noster (to serve Warrensburg) 105.5 3000 h.v.; 300'; rock
MO St. Louis KTAD *88.1 50000; 980' Double Helix—delete KHRR 88.1 Clayton MO.
NY Dunkirk W288AL 105.5 \$, m (WHUG 101.7 Jamestown—licensed to BOCES and created mainly for retransmission of WHUG's 67 kHz talking book for the blind subscriber; one lobe of the 1-watt translator reaches into Akron NY!)
NC Edenton 102.3 3000 h.v.; 180'
NC Elizabeth City 96.7 3000 h.v.; 295'; k
OH Archbold W221AF \$, g 92.1 WPOS 102.3 Holland OH, ON AIR, and logged in Toledo by Frank Merrill [College
SC Orangeburg *90.3 100000 h.v.; 210' SC State / SD Deadwood KSOY 95.1 100000 h.v.; 1700' rock
TX Bridgeport 96.7 3000 h.v.; 3000'
TX Whitehouse 99.3 3000 h.v.; 300'; m
VA Garden City W224AD 92.7 \$, k (WLXK 92.3 Roanoke translator)
WA Chelan K215AD *90.9 \$, g (KMBI-FM 107.9 Spokane translator), 10 watts
WY Buffalo 92.7 350 h.v.; 880'; rm
ND Fargo 101.9 100000 h.v.; 530' m
CALL LETTERS ASSIGNED
AZ Flagstaff 92.9 KAFF (KFLG)
AR Little Rock *89.1 KUAR
AR Waldron 103.1 KRWA—"FM"
CA Calexico 97.7 KQVO 1 GA Macon 105.3 WDEM
CA Covelo *90.7 KPAA 1 "FM" (WDEM-FM)
CA Fresno *90.7 KFSR 1 MD Salisbury 105.5
CA Red Bluff 95.9 KALF (KSNR) 1 WKYZ
CA Santa Barbara *88.7 KSCA (67 kHz, 700')
CA Solvang 96.7 KSVY [different calls]
CO Windsor 99.1 KUAD—"FM" (IAM now has / FL Fort Myers *90.1 WSPF—"FM"
FL Safety Harbor 92.1 WOOT (add to geographical FM Atlas directory: 3000 h.v.; 290'; c)
ID New Plymouth 93.1 K1ZN [KS Wichita *91.1 IL Effingham *97.7 WBF6 [KSOE (KDSA) IL Virden 96.7 WRV1 \$, m, u NY Rome 102.5 IN Covington 103.1 WVVV 1 WUUU IN Fort Wayne *89.1 WBNI (WIPU), still \$, c; IN Lafayette 96.5 WAZY—"FM" (WAZY-FM) KS Wichita 107.3 KKRD (KKRD—"FM") KY Owensboro *90.3 WKWC 1ND Four Bears ME Ellsworth 94.3 WSKQ 1 *91.3 KMHA MD Bethesda 94.7 WLTT (WJMD) MI Escanaba 97.1 WGLQ (WKZY), rm, "The Rhythm of the Great Lakes," improved signal with 90000 1070', clear reception reported to the junction of US 41 and M-28, 44 mi. from Houghton. [OR Florence MI Gaylor 95.3 WEGS (WPLQ) 104.7 KMTB MI Kalamazoo *89.9 WKDS (WSDK) MI Twin Lake *90.3 WBLV MN Anoka 107.9 KTNW—"FM" (KTNW-FM) MN Duluth 98.9 WAKX (WAKX-FM)—translators MS Jackson *90.1 WMPR MS Meridian 97.1 WOKK (WALT)—formats switch? 101.3 WJDD—"FM" (WJDD) MO Carrollton 101.1 KMZU (Not KMUZ, which remains in La Grange TX), k MO St. Louis KADI—"FM" (KADI-FM)

NV Winnemucca 92.7 KWNA-FM
NY Lake Success 103.5 WAPP (WTFM), now rp
ND Jamestown 95.5 KQDJ-FM (KQWB), Stereo
OK Tulsa KMOD—"FM" 97.5 (KMOD-FM)
OR Beaverton 103.3 KTJA 1 SC Darlington
PA Folsom *94.9 WRSD 1 105.5 WDOAR
SC Columbia 103.1 WDPN 1 FM (WDOAR-FM)
SC Georgetown 106.3 WAZX (WSHG)
SD Gregory 101.5 KKSD (KFKX), rock, Stereo
SD Sioux Falls 93.5 KKRC—"FM" (KKRC-FM)
TN Gatlinburg 105.5 WVTN
TX Merkel 102.3 KMIO-FM (K8GG-FM)
TX Seymour 94.3 KSEY-FM \$, Mutual
VA Suffolk 92.9 WFOG (WFOG—"FM")
VA Winchester 102.5 WUSQ (WFEF), Q-102
VA Roanoke *89.1 WVTF (WVVW)
UT Logan 92.9 KBLQ-FM (KBLQ)
WA Richland 106.5 (was 106.3) KHWK (from KXDD), 25000 (44)
WV Keyser 94.1 WQZK—"FM" (WKLK-FM)
WV Milwaukee 102.9 WBSC-FM (WBSC)
PR San Juan 105.7 WCAD (WKVM-FM)
BC Penticton 100.7 CIGV, Stereo
NS Liverpool 94.9 CKBW-1, mk
NS Shelburne 93.1 CKBW-2, mk
PE Charlottetown 93.1 CHLQ

FORMATS/NETWORKS

AL Mobile WABB-FM 97.5 A (was Y) WKRG-FM 99.9 C, not AC
AZ Bullhead City KRHS-FM 102.7 k
AZ Coolidge KQEZ 103.9 easy k (\$)
AR Conway KUCA *91.3 sj 1 AZ Globe KIKO-AR De Queen KDQN-FM 92.7 k FM 100.3 m, C
AZ Logan KQIT 100.1 ABC-Entertainment
CA Crescent City KCRF-FM 94.3 rm
CA Carpinteria KGFT 101.7 g, "Gift of FM-102"
CA Claremont KSPC *88.7 rock
CA Goleta KMGQ 106.3 rock
CA Los Angeles KUSC *91.5 all classical
CA Long Beach KLON *88.1 jt ("Your jazz and information station")
CA Mountain Pass KXVR 99.5 S (AP Audio)
CA San Diego KPBS *89.5 t, L (no music heard—English and Spanish talk programs)
CA Santa Ana KYMS 106.3 UPI Audio
CA Santa Barbara K208AD *89.5 c, not yet on
CA Santa Maria KSN1 102.5 k (country)
CA Santa Monica KCRW *89.9 all jazz
CA Sonoma KROG 92.7 m, TX on SCA
CA Thousand Oaks KCPB *91.1 c (parallel to KUSC *91.5 Los Angeles)
CA Tecumseh KR7M *88.9 rock
CA Yermo KRXV 98.1 S (AP Audio)
FL Tampa WJWY 100.7 drops m for what is believed to be k [(strict)
IN Columbia City WKSJ 106.3 r, Kias-106 / IN Huntington WHUQ 103.1 ABC-FM (was M)
IA Des Moines KRNO 102.5 A
IA Davenport K1IK 103.7 now K (ABC Rock), no longer "Kick" nonID
IA Sheldon KIWA-FM 105.5 mk, Stereo
IA Storm Lake KAYL-FM 101.5 m (not rm)
DC Washington WDDC-FM 101.1 A (not NBC's The Source)
KS Colby KXX-FM 100.3 OC (CBS' Radio-radio and CBS) ["KB-98"
KS Wichita KBR4 97.9 rm (ABC Superadio), / KY Harrodsburg WHEM-FM 99.3 km, Stereo
KY Jeffersontown WJYL 101.7 ABC-FM (A)
KY Paris WNCW 96.7 m, "Nice-97"
LA Baton Rouge WBRH *90.3 h
LA Hammond WTGI 103.3 Mutual WHMD 107.1 r
LA Houma KHOM 107.1 rock
LA Laplace (not La Place as on FMaps) WCKW 92.3
MD Catonsville WTKT 105.7 rm (ABC Superadio), A (ABC-FM), not O (CBS Radioradio)
MI Detroit WTRW 92.3 k
MN Winona KAGE-FM 95.3 rock

MS Tylertown WTYL-FM 97.7 k, still mono
MO Joplin KSYN 92.5 K(ABC Rock), Kias-92
NE Hastings KEZH 93.5 no AP Audio
NJ Atlantic City WAVY 95.1 rock, "FM-95"
NJ Flemington WCVH *90.5 pc, mono
NJ Pleasantville WGRF 99.3 rock
NY Trenton WKXW 101.5 A (was T)
OH De Pew-Buffalo WBLK 93.7 A (was B)
OH New Lexington WJWM 106.3 r, still M-106
OH Oberlin WOBC *91.5 jr
PA Boyertown WBYO 107.5 all g, no k
PA Reading WRFY 102.5 rock
TN Murfreesboro WKOS 96.3 A (was S)
TX Bandera KDR 98.3 country (k)
TX Beaumont KZZB 95.1 A (was ABC-Information)
TX El Paso 92.3 KFIM ABC-FM (A)
TX Houston KUHF *88.7 all jazz, "Jazz 88"
TX Wichita Falls KKVQ 103.1 ABC-FM (RKO)
UT Neola KUUU *88.1 ethnic
WV Buckhannon WVVW *89.9 ABC-FM
WV Lewisburg WKJC 105.5 country
WV Princeton WKMY S (AP Audio)
WI Chippewa Falls WCFW 105.5 S (AP Audio)
WI La Crosse WLXR 104.9 CBS
WI West Salem WISQ 100.1 rm, Stereo
WY Rock Springs KOSW 96.5 country
VI Frederikstad WVIS 106.1 Mutual
MEXICO Mexicali XHJC 91.5 Latin/Spanish XHBA 104.1, classical, "Radio Universidad"

NO STEREO:

NV Henderson KILA 95.5, but with added background music SCA; affects 104.9 MHz translators, too.

STEREO STATIONS (\$)

AL Atmore WSKR 104.1, rock, "Kicker 104"
AL Auburn ... WEGE *91.1, rock and jazz
AL Tualoosa KVUA *90.7 r; WUAL *91.5, cj
AZ Apache Junction KSTM 107.1
AZ Marana KOPD 98.3
AZ Page KXAZ 93.5
AZ Thatcher KFMM 99.1, Mutual
AZ Winslow KRIM 95.1
AR Bionville KJON 92.1
AR Cherokee Village KFCM 100.9
AR Fordey KQEW 101.7
CA Brawley KSIQ 96.1, rock, UPI Audio, C-96
CA Barstow KZNS 94.3, km
CA Fort Bragg KOZT 95.3, rock and soul
CA Fresno KFCF *88.1
CA Marina KBOQ 92.7 all c, "K-Bach"
CA Oakhurst KAAT 107.1
CA Tehachaa KTPI 103.1 (to be \$), rock, NBC
CA Weed KTSU 100.9, The Source
CO Pueblo KSCC *89.7, jazz and rock
CT New Britain WFCS *97.9
CT Norwich WNPB *89.1
FL Big Pine Key WBUS 93.5
FL De Funiak Springs WQUH 103.1
FL Gainesville WMMF 100.9
FL Naples W5GL 97.7, country
FL Titusville WPIO *89.1
GA Dublin WKXZ 92.7
GA Savannah WSVH *91.1
GA Springfield WGEC *89.9, country
HI Honolulu KMAI 93.9
IL Ava WXAN 103.9 gospel
IL Mecomb WIUS *88.3 rock (not yet on air)
IL Oskaloosa KIGC *88.7
KS Columbus WCCU 98.3
KY Hindman WKCB-FM 107.1
KY Jackson WJSN 97.7
ME Saco WPIG 95.9, country
MA North Adams WJWJ *91.1, jr, ABC-FM
MA Pittsfield WTKT 101.7, rock
MA Provincetown WQMR *91.9
MA Westfield WSKB *89.5, progressive rock
MA Winchendon WXYW 97.7
MI Big Rapids WBRN-FM 100.9

FCC-FM

MI Iron Mountain WIMK 93.1 k with r or rm mixed in, "excelsent signal" into SE lower MI, where Phil Borsama lives.
MN Bemidji KBSB *89.7
MN St. James KKKA 104.9
MN St. Peter KRBI-FM 105.5, rock
MS Goodman WVTH *89.5
MS Quitman WKYV 98.3, rock
MO Mansfield KTRH 95.9
MO Palmyra KIDS 98.3 country and middle of road
MO Stikeston KSTC 97.7
MT Bozeman KBZN 93.7
MT Miles City KMCM 92.7, m
NE Grand Island KSYZ 107.7
NE Sidney KSID-FM 95.3, m
OH Belpre WNUUS 107.1 rock
OH Norwalk WLKR-FM 95.3
OH West Union WRAC 103.1, rock, RKO Network
OK Durant KH18 *91.9
OK Klamath Falls KTEC *89.5
OR La Grange KEOL *91.7
OR Prineville KIJJ 95.3, m (middle of road music)
PA Central City WZZZ 101.7 (SIAP Audio)
PA Edinboro WFSE *89.9
PA Grove City WEDA 95.1
PA Kane WRXZ 103.9
PA Lehman WPSU *89.1
PA Leesville-Barre WRKC *88.5
SC Dillon WDCS-FM 92.9, m
SD Yankton KKYA 93.1, k, ABC-FM
TN Henderson WFHC *91.5
TN Signal Mountain WCSO *91.5
TX Abilene KGNZ *88.1
TX Canyon KWTS *91.1
TX Commerce KEMM 92.1, country
TX Corpus Christi KKEC *90.3, cj
TX Dumas KMRE 95.3, rock
TX Eastland KVMX 96.7
TX Henderson KGRI-FM 100.1, country
TX Huntsville KHAI 101.7
TX Kingsville KTAU *91.1
TX La Grange KMUZ (not in Carrollton MO!), r, M
TX Marlin KLMT 96.7
TX Mercedes KTMW 106.3
TX Perryton KEYE-FM 95.9, rm
TX Seminole KIKZ-FM 106.3, m
UT Park City KPCW *91.9 (+88.1 translator)
VT Randolph Center WVTG *89.7
VA Clifton Forge WCFX-FM 103.9, CBS
VA Gate City WZXY 104.9
VA Norfolk WNSB *91.1
VA Virginia Beach WVRN 94.9
WA Seattle KUBE 93.3
WV Mullens WPMW 92.7, k, Mutual
WV Ripley WCFE 98.3, UPI Audio
WI Lancaster WAXL 97.7
WI Sturgeon Bay WSWB 100.1
WI Whitehall WHTL 102.3, m, "FM-102" (not strict)
WI Rock Springs KSIT 99.5, rock, ABC Contemp.
ON Kitchener CKWR *89.7
ON Sudbury CJMX 105.3
ON Timmins CFTI 92.1
SA Regina (new) 98.9 (435')

Facilities' Changes

AR Fayetteville KUAF *88.9 150 (h); 310' (not 3 kw)
CA Alameda KJAZ 92.7 1800 h.v.; 400'
CA Fresno KPVR *89.3 2450 h.v.; 1890'
CA Mariposa K288BU 105.5 (from K285AU 104.9—moved to avoid interference from KLSB-FM 104.7 in Los Banos CA)
FL Lakeland WEGE *91.1 (from 91.3) 100000h.v., 415'
FL Quincy WWSO 101.7 3000 h.v.; 175'
FL Tallahassee WLWV 94.9 100000 h.v.; (490')
GA Dublin WKKZ 92.7 3000 h.v.; 200'; Stereo
IL Kankakee WQOC *88.3 420 100'
IN Muncie WWSO *90.5 370 h.v.; 170'
KS Baldwin (from Baldwin City) KNUB *92.5 (120' from 89.7) 7 wats h.v.; 120'
MO Baltimore WSPM *96.7 (from 88.1) 19 wats h.v./m
MN Atkin KEZZ 94.3 300' (3000 h.v.)
NE Me Cook KZMC (from 1503.1 to 105.3 ON AIR ON this frequency)
NJ Paterson WPAT-FM 93.1 5400 h.v. (1420')
NY Henrietta WITR *89.1 (from 89.7) 910 h.v.; 130'

NY Wethersfield WUWU 107.7 10000 h.v.; 800', reduces coverage
OH Findlay WLFC *88.3 160 (h); 100', rock, to be stereo
OK Muskogee KMMM 106.9 1005' (97000)
PA Bethlehem WLVR *91.3 180 h.v.; 60'
PA Huntington WKVR *103.5 (from 91.7), 13 wats h.v.; 380'
PA Oil City WRJS 98.5 20000 h.v.; 300'
SD Rapid City KTEQ from 88.1 to *91.3 710 h.v.; 235'
TN Cookeville WGSQ 94.3 300' (3000 h.v.)
TX Rio Grande City KCTM from 97.7 to 103.1
TX San Antonio KBUC-FM 107.5 1470' (100-000 h.v.)
WA Newport KUBS *91.5 150 (h); 540'
WA Tacoma KTOY *91.7 8000 h.v.; 550'
SCA (67 KHZ)
CA Angwin KPRN *89.9 tm; morning and early afternoon with programs like "history of dixieland jazz" and Radio Sweden commentary
CA Escondido KOWN-FM 92.1 music
CA Fresno KFCF *88.1 talking book
CA Lancaster KOTE 106.3 no SCA
CA Los Angeles KPFK *90.7 no SCA
KIIS 102.7 TX (chips, etc.)
CA Mariposa KUBB 93.7 no SCA
CA Pasadena KROQ-FM 106.7 ethnic
CA Sacramento KAER 92.5 no SCA
CA San Bernardino KOLA 99.9 no SCA
CA Santa Maria KXFM 99.1 TX
KY Bowling Green WKYU *88.9 occasional sports and special events
KY Louisville WUOL *90.5 talking book (testing the service)
MA Boston WEEI-FM 103.3 TF (financial and farm news—Dow Jones II via satellite)
MO St. Louis KADI 96.3 no SCA
KMDX-FM 103.3 F (Dow Jones II)
MI Houghton WGGJ *91.1 talking book
WHUH 97.7 no SCA
SD Pierre KNEY 95.3 adds SCA
SD Yankton KKYA 93.1 adds SCA
WI La Crosse WLSU *88.9 no SCA
Slogans/NonIDs
AZ Yuma KTTI 95.1 Kitty Country
CA Mojave KDOL-FM 97.7 FM-98 r, mono
CA San Diego KCBQ-FM 106.3 Q-105
CA San Elye KQYN 95.7 Q-96
CA Twentynine Palms KOYN 95.7 Q-96
CA Whittard WAFJ-FM 97.7 The Country King
GA Atlanta WSB-FM 98.5 now r, "New 98"
IL Murfreesboro WTAO 104.9 105-TAO (strict), now rock
IL Peoria WWCT 105.7 106 (very strict)
IL Rockford WQFL 100.9 101-FM
IN Indianapolis WNAF 93.1 93-NAP
MN New Ulm KNUJ-FM 93.1 93-FM
NJ Camden WKDN 106.9 Stereo-107
NJ Ocean City WSLT 106.3 FM-106
NJ Upper Montclair WMSC *90.3 The Sound Choice (strict)
OH Vineland WQVQ 91.2 Q-92
OH Lima WQIA 102.1 FM-102, although Q-102 heard on occasion
OH Steubenville WRKY 103.5, no Rocky-103 any more [strict]
OH Waverly WXIZ 100.9 Stereo-101 (not / PA Philadelphia WUSL 98.9 99-FM
TX Houston KLOL 101.1 K-101
MEXICO, Tijuana XHIS 90.3 Radio Mas XHRV 94.5 Radio Tamboira XH9F 98.9 Radio Sensacion

DELETIONS

CA Thousand Oaks K202AE *88.3
MA Gloucester WVCA 104.9 Simon Geller—but watch for appeal; station remains on air. Grant to Grandbanke Corp. for 3000 h.v.; 300'; c.
ON AIR WITH IMPROVED FACILITIES
MI Kankakee WQOC *88.3 420 h.v.; 170'
MN Mankato KMSU *89.7 3000 h.v.; 175', mono
TO CHANGE FREQUENCIES
IN Gaston WDSH *90.9 (from 91.1), 10 watts, rp mono. Correct maps to read 90.9.

MORE FACILITIES' CHANGES
CA Blythe KJMB 100.3 38000 h.v.; 2100 h.v.
FL Vero Beach WJLV 93.5 300' (3000 h.v.)
IN Terre Haute WTHI-FM 99.9 50000 h.v.; 490'
MI Charlevoix WKIO 105.9 920' (100000 h.v.)
MS Mc Comb WVKA 94.1 10000 (h); 500'
MO Kansas City WKCI 93.3 430' (100000 h.v.), r
NY Buffalo WBFO *88.7 20000 h.v. (DA), 250'
NY Port Henry WHRC from 106.3 to 112.1 820 h.v. (-77)
PA Philadelphia WKDU *91.7 155' (110 h, 99 v)
SD Springfield KSTI from 88.5 to *90.1 1000-61'
TX Edinburg 104.1 KBFM 830' (100000 h.v.)
READERS' REPORTS
Ralph Strobel thinks he's heard Hart MI 105.3 testing, but no announcements and call letters have not been assigned then. He's "not terribly thrilled with the new FM ATLAS simply because there are so many errors." He lists the worst mistake as WBOE on 7, p. 90.5, not 90.3, Cleveland. He points out p. 97 88.9 Rock Hill SC should be WNCV-FM, not WJA-FM.
Dave Nieman mentions that CIMG 92.7 Sudbury Sweden from k to a vacuous alter ego as CKSO after midnight, apparently an AM simulcast. There is a CKIT (FM) a new Regina, Sask. station, which might be the 98.9 one alluded to in the \$ column. Whatever its frequency, it has beautiful music. Bill Thompson says the new WJWU 107.7 has ID like "woo-woo, one oh seven seven, we are the rock of western New York." WJYE 96.1 is seemingly successful as an m station, relying on the Schukle formula.
Bill says this year's WFTDA convention should be especially good, with lots of technical information, with Jerry planning presentations on his programs. John Zondlo sent an AP article on KOTO "91.7 Telluride CO, an innovative station operating on a \$40,000 budget and serving a small community in a mountain valley that gets few other signals.
One writer says "a police department in New York puts music on its frequencies when it wishes to broadcast a private message. Sounds like they would be using a subcarrier—which I doubt, as such frequencies are too narrow band for SCA. J. M. Jefferson points out that San Francisco's KSFX dies May 3 to be replaced by KGO-FM with a nonsterile news and talk format. "They died in the ratings—did it make it to the top 20, although classical KXHI-FM AM did." Probably they will have fraudulent stereo, but I will not list them as a stereo station unless they broadcast music or drama in actual stereo separation.
John Jefferson says KPQC Powell WY listed as 91.9, which is KTAJ. Cody's spot WY should have been listed on 92.9. "KMDX Parker AZ given as 43 at 1010', should that be 2010' by any chance? (Possible, but my data show 1010') And Incline Village NV on 100.1? That's only 20 mi. from KRLL South Lake Tahoe. Does that mean KRLL is moving?" Yes—93.93.
K221AS China Lake, K265A Q Inyokern and K228AJ Victorville heard at motel in Mojave. Those translators get out [Not heard here—KZYO 92.7 and KFIO 104.9 Ridgecrest! Translators apparently up quite high so get out better than the Class A's!] Another reason to pay attention to translators. Like Ralph Strobel, I had excellent reception of a translator the other night when CA and NV were booming in. KKCB Carson City's relay on 92.1 was as strong as the primary station, so know your translators when DXing or traveling!
KINS 96.9 Grand Rapids MN now on its new frequency, having moved from 96.7; also on is the new WQJZ *88.9 Hayward (Reserve) WI with a potent signal in NE Minnesota. WWIB Ladysmith WI complaining recently that their Marshfield WI translator is off the air. The land the tower is on has been sold and new owner won't let them on his land, so they were appealing for other plots of land to build on. John Ebeling says HDS is going around the Twin Cities looking for MDS antennae and will charge folks for owning the antennae and receivers. Seems like East Europe, where the govt. will not allow you to have a TV antenna in this country are conspiring to reduce the rights of all of us to receive freely what is being sent through the airwaves.
In MI, WFMG 92.1 Grand Haven hurting financially and signs off with its AM daily at 6:10 p.m. not meeting minimum FCC operating hours' rules. Mike Kott sent much Alaska and Canadian FM satellite news, and offers information on equipment for receiving same. He says Homer has on 101.7 a KQOK FM translator and Homer's neighbor Point a WMBI-FM Chicago translator on 107.1 off the satellite, with plans for many other WMBI translators. Rumer has it KSKA Anchorage is trying for 91 or so for its frequency, which would open the lower FM band to stations in AK. Contributors next mo.

NORTHERN FM-DX

Ralph Strobel, editor
2300 E. McCalliard Rd.
Muncie, Indiana 47305
Deadline: the 5th

July 1982

For FM DXers in Canada, the Northwest-Central states of WA OR ID MT WY ND SD NE MN IA MO and states east of the Mississippi River and north of the Mason-Dixon Line.

E-SKIP AND IMPROVED TROPO HIT IN MAY

William R. Hepburn - c/o TCTI 1950 Montreal Rd. - Cornwall, ON K6H 6L2

Equipment: GE 7-2959A w/whip on 2nd floor (Jan. 11-Apr. 1), 4th floor (Apr. 19-)

Winter tropo was excellent in Cornwall. Reception out to 150 miles is quite reliable here in contrast to Niagara Falls. Window faces southeast which is the best direction. Best catch was New York City at 300 miles on Feb. 23rd. Cornwall FM log at 75, 2 prov. and 4 states.

1/22 tr (EST)		2/21 tr	
2344 WHRT 89.1 NY Schenectady	155	1306 WECQ 101.7 NY Geneva	190
2345 WAMC 90.3 NY Albany	165	1316 CBF 101.1 PQ Sherbrooke	140
WGBH 89.7 MA Boston	260	(CBF-10), FF, //CBF-AM	
WEPT 91.5 NY Troy	160	1504 WRUR 88.5 NY Rochester	
1/23 tr		1737 CFNY102.1 ON Brampton	
0112 CBM-? 92.1 PQ Sherbrooke, EE, //CBM-AM	140	1749 WNTQ 93.1 NY Syracuse	150
0133 WLFE 102.3 VT St. Albans	81	2/23 tr	
1/25 tr		1209 WRUR 88.5 NY Rochester	
1957 WFLY 92.3 NY Troy	160	1658 WFUV 90.7 NY New York	300
2325 WNCQ 97.5 NY Watertown	98	3/5 tr	
1/30 tr		1925 CFNY102.1 ON Brampton	
2308 WPHY 106.5 NY Albany	165	1931 WGBH 89.7 MA Boston	
2312 unID 101.3 ?? CIMF? //94.9, FF		2017 CBF 90.1 PQ Asbestos	155
2/1 tr		(CBF-11), FF, //CBF-AM	
2244 CBCK 107.5 ON Kingston, //CBOC 95.5	108	2022 WFOV 90.7 NY New York	
2/2 tr		2156 WHUS 91.7 CT Storrs	250
2142 WFOR 100.5 NY Rochester	195	2158 WERS 88.9 MA Boston	
2223 WSYR 94.5 NY Syracuse	150	2230 WEZO101.3 NY Rochester	
2316 CFMK 96.3 ON Kingston	108	2245 WKGW 104.3 NY Utica, local 104.5 off	130
2/8 tr		WKFM 104.7 NY Fulton, local 104.5 off	145
2010 WRVO 89.9 NY Oswego	140	WOIV 105.1 NY DeRuyter	170
2024 WAER 88.3 NY Syracuse	150	3/6 tr	
2057 WGBH 89.7 MA Boston	260	0708 WCVH 100.9 VT Middlebury	94
2125 WQNA 107.7 NY Albany	165	0738 WEZO101.3 NY Rochester	
2134 WXHR 102.9 NY Syracuse	150	0740 CFNY102.1 ON Brampton	
2139 WJIV 101.9 NY Cherry Valley	150	0755 WFOV 90.7 NY New York	
2205 WRUR 88.5 NY Rochester		0757 WFCR 88.5 MA Amherst	210
2308 WCOM100.9 NY Albany		0807 WRUT 97.1 VT Rutland	135
2/10 tr		0819 CFMP 101.5 ON Peterborough	190
2201 WPLW 105.5 NY Lake Placid	63	3/12 tr	
2239 WXXI 91.5 NY Rochester	195	1610 WGBH 89.7 MA Boston	
2258 WCNV 91.3 NY Syracuse	150	1617 WTLB 107.3 NY Utica	135
2/14 tr		1620 CBF 100.1 PQ Trois-Rivieres	135
2316 WSKG 89.3 NY Binghamton		(CBF-8), FF, //CBF-AM	
2347 WRUR 88.5 NY Rochester		1622 WIRQ 98.7 NY Utica	
2/15 tr		1631 CKGL 96.7 ON Kitchener	
1950 WRUR 88.5 NY Rochester		3/20 tr	
1953 WGBH 89.7 MA Boston		0010 WFCR 88.5 MA Amherst	
2104 WSKG 89.3 NY Binghamton		0013 WAQY102.1 MA Springfield	
2108 unID 90.7 ?? SS mx		1116 WHEB100.3 NH Portsmouth	
2/16 GW		1135 WGBH 89.7 MA Boston	
1656 WTPL 102.3 NY Tupper Lake	60	4/2 GW at Niagara Falls, ON	
2/20 tr		WUWU 107.7 NY Wethersfield, ex-WBIV	
2347 WRUR 88.5 NY Rochester		4/19 tr at Cornwall	
WVPR 89.5 VT Windsor, //WVPS-108	150	2110 WNOZ 99.9 NY Cortland	190
2/21 tr		4/29 tr (EDT)	
0004 WRRB 107.9 NY Syracuse	150	0653 WSEN 92.1 NY Baldwinsville	145

73s til next time.

NORTHERN FM DX

JULY 1982

John A. Callarman - 1122 Maple St. - Mt. Vernon, IL 62864

This spring has been rather cool and dry, and there's hardly been a weather map that we've run in the Register-News that shows a warm front through Southern Illinois. That's about the only consolation for what I've felt was a disappointing spring. I was about to predict that E-skip would first show up Memorial Day weekend (because we'll be in Nashville, TN then)... and would be very strong in mid-June (when we'll be on vacation), but the first E-skip I've detected this year showed up May 24. It wasn't much, but it whetted the appetite.

Let's see what happened in a relatively uneventful spring (I hope, because I want to enjoy next spring!):

March 29 -- WYCG 102.9 Shelbyville-Tullahoma TN with its "Super-Country G-103" non-ID's in and out 1805-1900 EST with full ID on the hour. WGKY 105.5 Greenville KY heard for the first time 2300 break. Later, WLBK-FM 96.7 Bowling Green KY in with "BJ-97" and full ID for tape at 2358.

March 30 -- 0100 brought full ID on my toughest Indianapolis station, WFBO 94.7. Conditions have to be right to eliminate both WMIX sloop from 94.1 and KSHE. 1918 KMBR 99.7 Kansas City MO in for short period, but no other Kansas City noted.

April 4 -- WBNL-FM 107.1 Boonville IN very good with hidden Easter Bunny promo 2102. Nothing else new.

April 11 -- A Sunday with several locals off, and WNDU 92.9 South Bend IN with r, "U-93" non-ID, and requests for calls on the U-line. Full ID 2200. WDEK 92.5 DeKalb IL in, badly squeezed, rock, gal deejay, and "DEK" non-ID. With WRXX off 95.3, WRFL-FM Rantoul IL taped 2238; WMET 95.5 Chicago heard for first time and full ID 2258 95%; On 96.1, commercials for Richmond IN area and "K-96" ... heard WQLK faint sign-off later; WHEE 97.3 Fort Wayne IN, with WRUL off early 2342, using call letters extensively now. Nothing decent til:

April 23 when I added KPCR-FM Bowling Green MO on 100.9 and WDUK 99.3 Havana IL badly squeezed.

April 25 -- another Sunday with no WRXX 95.3 to contend with brought WGGC 95.1 Glasgow KY with k music and extensive full ID's, call and city of license, taper's delight; caught 2130.

April 26 -- Frankfort IN on 99.7 is proud of new power. They've changed calls (I never heard WILQ-FM), gone to same-sounding rock, taken to strict non-ID "Shine-99," and it wasn't until third hourly break at 1000 that I heard WSEW, Frankfort-Kokomo.

Periodic checks next two weeks showed very poor conditions.
May 9 -- Now I know why WMSK-FM Morganfield KY hasn't been heard on 95.3 after WRXX's early (2000 Eastern) s/off. In May, it's 2100 Eastern. The new Batesville AR station on 93.1 heard 2200-2300. It's a strict non-ID rocker, "Z-93," but at the hour, I got KZLE call.

May 11 -- Another brand new station noted on 96.7, WRVI Virden IL. Has a beautiful music format.

May 15 -- Back on October 29 when the new antenna was first installed, one of my tests was to null WCIL-FM on 101.5 and get WBNQ Bloomington-Normal IL loud and clear. I didn't tape it then, expecting that to be regular, but since that date, back-of-the-beam WCIL has been stronger than WBNQ every check until this date. Both play similar rock music, though WBNQ segues more. Bonus between 2140 and 0000: WCSI-FM in Columbus IN with country and KTXR Springfield MO with beautiful music format. Opening to KTXR area is very rare, and nothing else from there was in. Faint KKCA Fulton MO signal on 97.7 at 2335 ending Ae news, with WFRK off at 2300.

May 16 -- WQLK Richmond IN good at 2357 full ID break.

May 22 -- Things get interesting. On 96.5, my bell-weather frequency, a full WQEZ Birmingham AL ID heard at 1659, but nothing else noted from that direction. Instead, a good Quad-Cities opening existed, with "K-Double I-K" Davenport IA, strong enough to burst through closer WDBR in same direction on 103.7, both with nearly identical music. WBBF, WZZC, WVIK, WDLN, much more often heard, were in, and a Davenport commercial was noted on 96.9 but couldn't hold on for a WKLP ID. KWK-FM held off KVRV completely on 106.5.

May 23 -- Trying to ID the preacher on 92.3 1659, but WIL-FM and unusually WGTC in Bloomington IN too tough. Unusual strength of WGTC sent me to 96.7 where program "Just Jazz" held forth and "97-WB" became (at 2200) "97-WB" (WB). WGGC 95.1 best ever at 2145. WUME 95.3 Paoli IN, in for first time, with "FM-95" WUME frequently with rock (no longer "U & Me"). WIFN-FM Franklin IN faintly heard and badly squeezed on 95.9 at 2334.

May 24 -- After 0000 sign off of WNOI Flora IL on 103.9, two stations in. Stronger was WKIO Urbana-Champaign with King Biscuit Flour Hour. Beautiful music station broke through for 0044 break, but gave only "The Music Station Q-104" and "The Music Station FM-104" non IDs. Format, antenna direction, and Indiana State Police PSA direct me to WLFQ Crawfordville. A good break on 104.3, my last blanked channel. APR news ended and WOMC call letters heard three times in fadey, squeezed signal.

- Continued -

(Alan Hillmaker in Centralia has taped them and several more Detroiters, so I expect a good Motown opening later this season. It was my first Detroit, and the only thing detectible from there).

Monday is my day off at the newspaper, but I didn't get up soon enough, I guess. Marginal Chicago opening found WJFM 105.9 and WFYR 103.5 around the 1000 break, one early, one late, and I was fortunate to be on the two correct frequencies in the correct sequence. WBYG 99.9 Kankakee IL in 1010-1029 with telephone trading post. This one tough because when I head north to beat WEBQ, WTHI 99.9 and bad slop from WJBD 100.1 usually eat up 99.9. It was a generally good day with two of my Middle Tennessee class C holdouts in for the first time -- WBYG 93.3 Tullahoma and WKOS 96.3 Murfreesboro. Unfortunately, both are strict non-ID'ers and all I have on my tapes are a lot of local commercials and "Boogie-93" and "96-KOS," Nashville's King of Sound. Also, "D-98," 98.3 Bowling Green KY, very strict non-ID'er, I guess still WDNS; I switched back and forth between these three channels at 1200, 1300 and 1400 station breaks, and each was up during the hour but completely out at the top of the hour. Makes up for the 1000 Chicago break, I guess. Reception tapered off for a while and I shut off around 1649. Back for routine check of 96.5, the bellweather frequency, at 1958 to hear "KLWD, Cloud-96, Sheridan's Beautiful Music Station" and, using the FM Atlas Maps, I switched to 93.3 where I heard RKO news and at 2003, an MDT time check, and forecast, but wavy fading and into rock and then out. Kept trying to work E-skip, something promising on 89.7 to the SE, Bible students, seemingly in Florida, on local sounding show, but there for only a few seconds. Nothing more Es-wise until 2113 when, back on 93.3, good radio promo "For what Radio can do for you in Missoula, contact John Maxton at XT-93." KDXT rocking heavily; was weaving in and out with a lighter rocker, "Y-93" non-ID, 72 degrees in the valley, and both quickly lost to suddenly strongest-ever WKZW Peoria. No more Es, but "KZ-93's" strength led me to Peoria area class A channels and a good tape of WTaz Morton 102.3.

May 25 -- Conditions back toward the doldrums. WVLJ's strength on 105.5 sent me to 100.9 to try for WJPO without success but needed WNON Lebanon IN was there for a brief period before squeezed by both adjacent channels... this while ending a 25 minute news block at 1825.

John

John Ebeling - 9209 Vincent Ave. So. - Bloomington, MN 55431

There has been nothing to report as far as Es goes thus far. Even Ch. 2 hasn't had CCI to any great extent, and whatever opened up never made it to the FM band, except once as noted. Only some semi-locals to report this time. The only reason to report these are that they are new:

From Prossit, MN location: 5/15 Es
5/8 tr 2000 WFSU 91.5 FL Tallahassee, plus unIDs 92.9 & 94.1
1700 WOJB 89.9 WI Hayward, new
1800 KNNS 96.9 MN Grand Rapids, 2145 KALL 94.1 UT Salt Lake, auto r, (New N. MN powerhouse) SCA mx

From Bloomington, MN location: 2155 KFMY 96.1 UT Provo
5/10 tr 2159 KBYU 88.9 UT Provo, c, SCA same
2300 WOJB 89.9 WI Hayward 5/16 Es
2301 KNNS 96.9 MN Grand Rapids 1850 KZAN 97.9 UT Ogden, k (To next column) 1859 KUAT 90.5 AZ Tuscon

Lost another good tuner at the cabin in late April. Thieves took my Sony ST-595OSD along with a bunch of odd items, such as bath towels, coffee, bathrobes and a half open jar of peanuts. Things are tough on the iron range when food is taken, as unemployment is high. Anyone want to sell a good tuner?? Call me. 612-888-0816. John

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

FM DXing this past winter and early spring has been TERRIBLE! Earlier this month, (May), I realigned the Modulaire-8 for the best FM stereo reception. There are only two stations logged so far this year on January 3rd. I now have Elving's "FM Atlas" which is outstanding! KRCC-FM now has a translator located right in Rochester on 105.5 MHz. The FM Atlas states 103.9 MHz. The FCC has been trying to make a decision on the status of KFSI on 88.5 which still causes interference to KAAL-TV 6 in Austin. I am expecting to send in BIG REPORTS on FM E-skip and tropo openings this summer. I hope everyone has a good FM DX season.

1/3 Es 1645 WLVW 94.9 FL Tallahassee, "Love Stereo-95" 1037
1708 WGLF 104.1 FL Tallahassee, "Gulf-104," ads 1037

Equipment: Realistic Modulaire-8 and Archer "Stereo Supreme" FM Antenna; Coax Lead-in.

Daniel E. Getting - 2882 Old Cedar Grove Rd. - Broomall, PA 19008

Equipment: Panasonic RF-2600 w/Archer 10-element log yagi FM antenna directed to NW at 25 ft., and GE Superadio.

Not much Es in May, but lots of good tropo. I had to tighten up my standards this month on what I thought was reportable DX, because I have a ton of relogs, some of which were rare before May this year, but then became a common logging during May. So, listed below are only the really rare catches.

5/5 tr 5/12 tr
1809 WYFMt102.9 PA Sharon, r, WMGK off 0840 WXCJ 91.7 CT Danbury, p
5/6 tr 0841 WTKI 95.1 CT Brookfield, rp, "I-95"
0547 WCRH 90.5 MD Williamsport 5/14 tr
0550 WTLR 89.9 PA State College, s/on 0015 unID 107.9 ?? k, WRRB-NY or WDSY-PA
0640 WRAL 101.5 NC Raleigh, r 340 5/15 Es
0835 WRFKt106.5 VA Richmond, c 1842 WMCU 89.7 FL Miami, g
5/6 MS 0804 KBBgt 88.1 IA Waterloo, s 1842 WAFG 90.3 FL Ft. Lauderdale, rg
5/7 tr 1843 WTMJ 93.1 FL Miami, c
2215 WIOF 104.1 CT Waterbury, rm 1845 WINZ 94.9 FL Miami Beach, r, "I-95"
2220 WSHU 91.1 CT Fairfield, r 1902 WLRN 91.3 FL Miami, pledge drive
2238 WHUS 91.7 CT Storrs, rs 1906 WSHE 103.5 FL Ft. Lauderdale, rp
2250 WSBH 95.3 NY Southampton, r 1907 WAXY 105.9 FL Ft. Lauderdale, r
2300 WSHR 91.9 NY Lake Ronkonkoma, r, ID 1912 WCMQ 92.1 FL Hialeah, SS, r
2305 WXXS 107.9 MA Medford, dr 1921 unID 88.5 FL Tampa's WMNF?, s
2307 WWUH 91.3 CT West Hartford, p 275 1925 WWVL 93.9 FL Miami Beach, r
2325 WLWH 93.7 CT Hartford, SS 1926 WMBt 89.3 FL Boynton Beach, g
2326 WWYZ 92.5 CT Waterbury, r, ID 2043 HUF off FM
2344 WCCG 106.9 CT Hartford, rp, ID 5/16 tr
2355 WDRG 102.9 CT Hartford, r, ads 0725 WRAL 101.5 NC Raleigh
5/8 tr 5/19 tr
0005 WJMj 88.9 CT Hartford, ID 0540 WXXS 107.9 MA Medford
Last five CT above, all received 0550 WBUR 90.9 MA Boston
on locally used frequencies. 0605 WJIBt 96.9 MA Boston, m
0006 WNHU 88.7 CT West Haven, s, ID 5/25 tr
0033 WSRB 96.1 MA Worcester, m, ID 2305 WDUQ 90.5 PA Pittsburgh, wx
0051 WBAB 102.3 NY Babylon, pr, ads 240 5/27 tr
0100 WBUR 90.9 MA Boston, j 0540 WWK 107.7 VA Warrenton, r
0105 unID 97.7 NY WJJB?, r 275 0550 WFLSt 93.3 VA Fredericksburg, k
0730 WPLR 99.1 CT New Haven, rp 0650 WKVI 101.7 VA Kilmarnock, r
0734 WDLG 96.7 NY Port Jervis, ads, 0716 WINC 92.5 VA Winchester, m
local news 0830 WGET 107.7 PA Gettysburg, m
5/28 tr
0745 WTIC 96.5 CT Hartford, r 0540 WBAB 102.3 NY Babylon, rp
Log total: 440, (124 Es) 73's, Dan

Bob Zent - 1835 Fruit St. - Huntington, IN 46750

3/5 tr 5/12 tr
WRDL Ashland College 2250 WUJC 88.7 OH University Heights, 210 ID, (Peaked momentarily o/CJOM)
2240 WRDL 88.9 OH Ashland, r, ID 170 5/15 tr
2259 WLFC 88.3 OH Findlay, r, ID 97 2242 WOKI 100.3 TN Oak Ridge, r 360 "East Tennessee's Superstation"
5/7 MS 5/19 tr
0642 WWL 93.9 FL Miami Beach 1110 0016 WHEX 100.9 OH Clyde, r, ID 136
"..Gordon Lightfoot at Love-94.." 5/25 tr
0643 KESSt 93.9 TX Fort Worth 2306 WQBC 91.5 OH Oberlin, r, ID 176
5/8 GW? 5/30 tr
0719 WQBP 88.1 OH West Carrollton, ID 115 0102 WBN 102.5 NY Buffalo, r, ID 365
g, (Assuming they're now at 5000 watts) 0120 WNIR 100.1 OH Kent, RKO, loc. ad 215
5/9 tr 0306 WFMI 100.1 KY Winchester, r, ID 210 (My FM total now 752)
0730 WPNE 89.3 WI Green Bay, c 285 Fort Wayne's 89.1, no longer affiliated with IPFW, now has new call letters. They are WBN1. Programming remains pretty much as it was - classical and jazz.

Dave Nieman - 12284 Nice Rd. - Akron, NY 14001

Equipment: Sansui G-8000 Receiver & TU-S9 Tuner; Stacked C/M & Probe 9's at 30 ft. (*ID on tape), (G) G-8000, (T) TU-S9

Table with columns for date, call letters, frequency, location, and power. Includes entries for 4/29 GW, 5/12 MS, 5/15 tr, 1658 WDCU, 1759 WNO, 2030 WUWF, and a note about logging stations on 5/15.

Richard Reese - 421 Marion St. - Jersey Shore, PA 17740

Equipment: Panasonic RF-1150

Large table listing radio stations with columns for date, call letters, frequency, location, and power. Includes entries for 3/1 Au, 1826 KSTP, 1837 KBCM, 1858 KGO, 1909 KANU, 2026 KYTN, 2015 WCGY, 3/26 tr, 1715 WEXB, 1742 WFMX, 3/28 tr, 1930 WKZY, 1958 WIMR, 3/31 tr, 2030 WKUS, 2100 WMHE, 2123 WNAF, 4/3 MS, 07/42 WJIL, 4/4 tr, 1430 WLAP, 4/9 tr, 1732 WGOZ, 4/10 Au, 1735 KCND, 4/12 tr, 1714 WSBI, 1736 WECQ, 1743 WCLT, 2030 WCLW, 4/16 tr, 0727 WRKC, 4/17 tr, 2046 WAMX, 4/26 tr, 2135 WMO, 4/27 tr, 1840 WFFJ.

Es off to an earlier start this year than the last couple of seasons. Tropo continued to do pretty well here. The 5/15 opening came as quite a surprise here. It'll probably be one of the best of the season. FM totals now exceed 900 stations logged here.

73's, Rich

Robert S. Ross - Box 4373, Stn. C - London, ON N5W 5J2

Equipment: Marantz 2226 w/Beam 4 element.

Table listing radio stations with columns for date, call letters, frequency, location, and power. Includes entries for 12/14 tr (1981), 0803 WCVJ, 3/1 tr (1982), 0005 WFSE, 3/24 tr, 0659 CBE, 5/15 tr, 0423 WGSB, 0428 WDUQ, 5/15 tr, 0448 WOOS, 0500 WRUW, 5/17 tr, 0354 WVOR, 5/18 tr, 0327 WXXI, 0336 CFNY, 0408 WBFY.

Ralph Strobel - 2300 E. McGalliard Rd. - Muncie, IN 47303

Equipment: Akai AT-VO4 and McIntosh MR-78 w/Channel Master & Probe 9 at 60 ft.

On May 26th, Frank Merrill of Toledo stopped here on his way to MO and KS searching for more phonograph records. He brought his McIntosh MR-78 for me to use. Boy, was I impressed! The aspect of this tuner which is most impressive is selectivity. I could log stations with no difficulty next to semi-locals. Unfortunately, the weather was very rainy at the time and not much tropo. When Frank returned on May 31, I hated to give up this fine machine. In the meantime, I had decided to buy one. Frank's tuner is slightly used and cost \$825.00. The actual price for a new one is \$1600.00! In a few days I phoned E-Z Telectronics of Chicago where Frank purchased the tuner. They didn't have any used tuners, but the nice man finally said, "Well, we do have a demonstrator here which hasn't been used over an hour. I'll sell it to you for \$895.00." Whew! The following day I drove to Chicago and bought it. I certainly am happy with it. Now on to my report and some of that fine E-skip.

Table listing radio stations with columns for date, call letters, frequency, location, and power. Includes entries for 5/15 Es (w/Akai AT-VO4), 1710 KILQ, 1715 KOME, 1725 KUAD, 1730 KYGOT, 1932 WMCU, 1937 WPUZ, 1956 WUSF.

Table listing radio stations with columns for date, call letters, frequency, location, and power. Includes entries for 5/17 tr, 0200 WECE, 1800 WKY, 5/18 tr, 0009 WBOC, 5/19 Es, 1115 KCMR.

Table listing radio stations with columns for date, call letters, frequency, location, and power. Includes entries for 5/20 tr, 2311 WMSE, 2321 WSUV.

Table listing radio stations with columns for date, call letters, frequency, location, and power. Includes entries for 5/24 Es, 2035 KCMR, 5/25 tr, 0300 WBAZ, 0545 WKIZ, 5/27 tr, 1930 WIBZ, 5/28 tr, 2000 WAJK, 2300 WBBN, 5/29 tr, 0000 WLCX.

The Es to New England was a pleasant surprise and about time I found some new states! Too bad this skip session was a short one. There were many unids in the Ed. band from the Boston area. I know what they had to be but can't count them. There has been a great deal of Es so far and it's early in the summer. Total: 1055 w/276 Ed.

73, Ralph

SOUTHERN FM DX

July 1982

GOOD ES, TROP RETURNS

Tim McVey, Rt. 3, Box 568, Bolivar, TN - Jan. 1 to May 4 CST, CDT after April 25

Let's open this report with the really good stuff. This calls for THE BOLIVAR LOG! Equipment is still the same, except I lowered the antenna down five feet and scraped the dust out of my rotor. Tuner is JVC JT-V22. On March 23, I copied Jim Ayers' idea of checking every FM channel in every direction. It took me eight hours to do just that and record all the ID's. This project came to a staggering total of 184 (24 ed. band) stations from ten states--all on a normal day. 93.1 is wiped out with Batesville, AR's 100-kw KZLE "Z-93". That's life.

5/3 Es
0900 RJP 92.9 Kingston, Jamaica! 1380
mono with signal peaking at 3. Local programming, ID's and news.
0917 WFYN 92.5 FL Key West, m# 858
0934 unID 97.7 FL Naples?, m#
(I tried for Cuba but no luck. TV-2 and TV 4 both had Cuban TV test slides, but how could FM bring in FL and JAM and not a major city in between?)
0935 XHQK 98.5 SLP San Luis Potosi, L m# 1168
0944 XHEM 100.1 SLP SLP, L, very weak
1124 XHSC 93.9 JAL Guadalajara, L# R. Globo Estereo 1344
1158 XHDK 94.7 JAL Guadalajara, m#
1201 XHIG 98.3 JAL Leon, L FM Romantica
1204 XETIA 97.9 JAL Guad., L#
1205 XHDC 98.7 JAL " ", r# "Estereo-99"
1206 XHAD 101.9 JAL , L#, very weak
1210 XHAV 100.3 JAL , L
I wish I had gotten up much earlier the morning of 5/3, as Mr. Ayers was listening to Acapulco at 0430! Needless to say, the decent food and RJR really made the trip home last weekend worthwhile. Jamaica stayed in until around 0930, suffering seriously from WKRA 92.7. I must be

DX at Knoxville has been (as usual) almost nonexistent. Most of the loggings in this Knox report have been made on a JBL car radio located in various areas of the town to relieve QRM). This has been effective during weather changes. Today I built my own 3-element dipole antenna tuned to 88, 98 and 108. It picks up fantastic N. and S., so maybe with that and my new Realistic TM-102 tuner, I'll have something good to report next time, from here. Hope ya'll have the best, or in other words, 73.

Jim Pizzi, P. O. Box 1778, Lovington, NM 88260 - May 3 to May 16 MDT 505/396-3432

5/3 Es
0912 WRMB 89.3 FL Boynton Beach, g, ID 0930
0913 WMCU 89.7 FL Miami, g, ID 0928 1508
0915 WXGS 100.3 FL Plantation key, ads, 1530
rock, not m
5/6 Es
2110 WSEZ 93.1 NC Winston-Salem, tent.,
"Z-93" (not KQIZ)
5/11 Es
1710 WDYN 89.7 TN Chattanooga, tent., g
(SC, GA, NC, TV Es in)
tr
1805 KLSR 105.4 TX Memphis, r, off freq. M nx
1923 KASE 100.7 TX Austin, k, over KORQ 377
Es
2121-47 unID's 90.1, 90.3, 90.9, 91.3
2048 WJPD 92.3 MI Ishpeming, ID 1215
cont.

missing an awful lot of good DX back in Bolivar...which brings us to the KNOXVILLE LOG: (all below are new to log.)
1/9 tr
1124 WQLT 107.3 AL Florence, r, state #5 224
1145 WABN 92.7 VA Abingdon, r, state #6 122
1215 WPEC 97.9 NC Concord, s 193
1351 WLET 106.1 GA Toccoa, k, state #7 105
1/21 tr
1615 WSIX 97.9 TN Nashville, k 163
1620 WRQQ 98.1 KY Lexington, ar 149
1640 WRQK 98.7 NC Greensboro, r 231
1/22 tr
0109 WXLK 92.3 VA Roanoke, r "K-92" 245
0127 WBKW 99.5 WV Beckley, g, state #8 213
0130 WPPV 94.9 VA Roanoke, e
3/5 tr
1140 WBBQ 104.3 GA Augusta, r 203
1144 WQSB 105.1 AL Albertville, k 175
1515 WKIR 104.1 TN Jackson, k 276
3/6 tr
0020 WMEV 93.9 VA Marion, sign-off 109
0031 WSLQ 99.1 VA Roanoke, ar 245
0049 WTQR 104.1 NC Winston-Salem, k 215
0112 WAHR 99.1 AL Huntsville, r, AHR-99 175
0138 WRKK 99.5 AL Birmingham, ar, "K-99" 242

0901 KRJH 94.3 TX Ft. Stockton, ID 154
Es
0909 WFOC 97.1 GA Gainesville, "All those good looking Gainesville beach bunnies." 1125
1040 WTCO 92.7 IL Arlington Heights, 1025
"Chicago land country mx"
1133 WBHM 90.3 AL Birmingham, talk 959
1134 WTSU 89.9 AL Troy, ID, m 1022
5/15 tr
2356 KERA 90.1 TX Dallas 368
5/16 tr
0007 D-FW FM's 368
Es
1801 CBRF-4 91.9 SK Bellegarde, FF 1644
1802-08 unid's 90.7-92.3
1808 KGGH 93.1 MT Sidney, CH-93, ads 995

SOUTHERN FM DX

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

5/16 Es
1810 WPRE 94.3 WI Praire du Chien, ID, ads
1812 KGGG 100.3 SD Rapid City, "KG-100" 774
1815 KVSR 97.9 SD Rapid City, g 774
1816 KERM 98.3 WY Torrington, "KERM" 617
1818 KOBH 96.7 SD Hot Springs, r, ID-24 734
1819 KYYZ 96.1 ND Williston, ID, ads, 96 1026
1822 KDLO 96.9 SD Watertown, tent
1831 KNUW 94.5 MT Great Falls, r, ID, 1062
"Rock -95"
1848 KAAK 98.9 MT Great Falls, j, "K-double A K" ID 1903

This season is off to a good start with good Es openings. Looking for one to open up into California. (So am I, DB) 5-16 opening was hectic with lots of unID's. Nothing new on the local FM scene. Dr. of DX, Jim.

Pat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228 May 1-15 CST
Equipt: Realistic TM-1001 into an Allied 426; 6-31 Archer antenna at 20 ft. with rotor.
tentative, new underlined

5/3 Es
0453 WRMB 89.3 FL Boynton Beach, psa 1150
0459 WUSF 89.7 FL Tampa, wx 985
WMCU 89.7 FL Miami, ID 1150
0502 WMNF 88.5 FL Tampa, ID 985
0515 f/out
0632 WHRST 90.7 FL Boynton Beach 1150
tr
KKED 90.3 TX Corpus Christi, c, ID 135
Es
0659 WQGS 88.3 FL Fort Pierce, ID 1115
0748 WUCF 89.9 FL Orlando, ID 1035
0755 WUFT 89.1 FL Gainesville, c, ID 975
0757 WWLV 94.5 FL Daytona Beach 1055
0800 WERUT 88.9 KY Richmond, KY nx 995
0807 WFOY 97.7 FL St. Augustine, ad 1035
0811 WNFY 99.9 FL Palatka, "Y-100, n. FL" 1015
0818 WCRJ 107.3 FL Jacksonville, ID, k 1015
(VOR's soon in and
0830-0900, spotty 144-MHz Es to FL panhandle)
0919 WINZ 94.9 FL Miami Beach, "I-95" 1150
0920 WWML 93.9 FL Miami Beach, "Love-94"
WSORT 95.3 FL Fort Myers, rel. 1040
0934 WEDR 99.1 FL Miami, psa 1150
0950+ f/out
1050 Miami area again
1058 WRGI 93.5 FL Naples, ad 1050
1100 WSWN 93.5 FL Belle Glade, ad 1110
1123 XEBST 89.7 DF Mexico City
XEDAT 90.5 DF Mexico City
XEW 96.9 DF Mexico City, r
1125 XELAT 98.5 DF Mexico City
1126 XHSHT 95.3 DF Mexico City
1135 XHRHT 93.3 Pue Puebla 735
1136 XHZnt 92.5 Pue Puebla
1137 XHJE 94.1 Pue Puebla
1142 XJLlt 91.5 Jal Guadalajara 690
1145 XHVLP 88.1 DF Mexico City 690
1146 XHNP 89.3 Pue Puebla, ad 735
1147 XHSNT 100.7 DF Mexico City 690
XHDFM 106.5 DF Mexico City
XHBStt 104.9 DF Mexico City
1152 XHCT 95.7 Mor Guernavaca 735
1156 XERCt 97.7 DF Mexico City 690
1158 XHCDt 92.3 Jal Guadalajara 690
1159 XHDKt 94.7 Jal Guadalajara 690
XHRot 95.5 Jal Guadalajara
1201 XHLC 98.7 Jal Guadalajara
XHRJ 95.5 Mex Toluca, local ad 730
1207 XHOY 90.7 Jal Guadalajara, ad 690
1229 XHM 88.9 DF Mexico City, ad 690

Pizzi, cont.

5/16 Es
1849 CHFA-1 104.3 AT Lethbridge, 1215
French hockey game
1851-1938 unid's 106.3, 107.7, 92.9, 107.3
1939 CBRF 103.9 AT Calgary, FF Hockey game
1942 CHFM 95.9 AT Calgary, ID 1328
1943 KYBS 97.5 MT Livingston 932
1950 KFYZ 98.5 MT Kalispell, jazz, ID, 1170
"k-foxy"
2017 KQRR 92.3 MT Ronan, r, "KQ-92" 1121
2021 KDXT 93.3 MT Missoula, "XT-93" 1107

5/6 Es
2111 WKSU 89.7 OH kent, j, ID 1255
2112 WAUF 38.1 OH Akron, r, town ID 1240
5/11 Es
1059 WMRK 89.7 SC Columbia, ID 1075
1115 WRJAT 88.1 SC Sumter, r 1110
1130 WSCIt 89.3 SC Charleston 1120
1140 WATF 94.3 SC Marion, wx, local ad 1165
1144 WQTR 99.1 NC Whiteville, local ad 1200
1200 WUOG 90.5 GA Athens, r, ID 940
1208 WRNS 95.1 NC Kinston, k, ID 1275
1214 WGR 96.9 NC Goldsboro, "Q-96" 1260
1223 WSHA 88.9 NC Raleigh, ID 1230
1228 WVLV 88.9 VA Lynchburg, ID
1233 WPEG 97.9 NC Concord, ID 1120
1235 WLVV 96.9 NC Statesville, psa, "Love 97"
WGU 94.5 SC Greenville, wx 1010
1259 WFD 88.5 NC Winston-Salem, ID 1150
1316 WXLK 92.3 VA Roanoke, "K-92", k 1195
1324 WXIL 95.1 WV Parkersburg, "XIL", nx 1180
1329 WQAY 94.1 WV Oak Hill, area ad, 1150
"94-FM, 36-AM"
1333 WQCC 96.5 WV Williamson, ID 1090
1341 WAHO 105.9 PA Pittsburgh, ID 1280
WDSY 107.9 PA Pittsburgh, ID
1400 WRRT 88.3 OH Marietta, ID 1180
WQEDt 89.3 PA Pittsburgh, j 1280
1403 WDUqt 90.5 PA Pittsburgh
1405 WQJQ 97.7 OH Jackson, wx 1120
1410 f/out
1615 WRLN 89.3 IL East Moline, ID 945
1623 WNUR 89.3 IL Evanston, area wx 1060
MLSt 94.7 IL Chicago, r 1045
spotty 88-89 to 1703
1724 KWYK 94.9 NM Aztec, area ad 740
LOVO 94.5 NM Gallup, k, ID, Navajo 720
1731 KQIX 93.1 CO Grand Junction, ad 870
1736 KISZt 97.9 CO Cortez, r 790
1738 KRAZ 96.9 NM Farmington, ID 745
1740 KCB 93.3 NM Albuquerque, ID 610
KRTZ 98.7 CO Cortez, local ad 790
1741 KRST 92.3 NM Albuquerque, ID 610
1747 KBVL 94.7 CO Boulder, local nx 820
1803 KLYT 88.3 NM Albuquerque, ID 610
1805 KWXLt 94.1 NM Albuquerque, r 610
1812-27 spotty 88's
5/12 Es
0840 WPNBt 89.3 WI Green Bay 1190
0843 WRKX 95.3 IL Ottawa, "95-X, Ottawa" 985
0902 WBKV 92.5 WI West Bend, ID, nx, con. 1115

Table with columns for call letters, frequency, and location. Includes entries like 5/12 Es, 0903 WMOI, 0905 WDOR, 0909 WYRSt, etc.

Table with columns for call letters, frequency, and location. Includes entries like 5/12 Es, 1125 WESD, 1145 f/outs, etc.

With the heavy Es activity of May 3 & 11 it looked like it would turn into a rather wild month. However, things trailed off sharply for the 2nd half of the month.

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD

From our cottage at Fair Haven Cliffs, MD, overlooking the Herring and Chesapeake Bays, 15 mi. below Annapolis, MD Here we use a Scott 310B FM tuner...

4/17 96.7 WCEI Easton, MD, strong all day. 25 4/24 94.1 WREZ Yorktown, VA 125 ex-WEMD ex-WYCS. QSL 1tr 22k2

Took our first DXpedition of the season on Friday, April 7th. Using the Toyota station wagon and its super AM/FM radio with vertical antenna.

After buying our Toyota last spring we returned to Keyes Gap after a 15 year absense and on 5 trips in 1981 pulled in such stations as WGCR PA 104.5, 50kw, 180 mi; WWST OH, 52 kw at 245 mi.

90.1 WDCU Washington, DC 50 mi., Fairly good on test. This is the old WGTB that went off air several years ago.

102.1 WWCN Reidsville, NC 235 mi. Poor to fair from 1202 to 1252 PM EDT. South rarely heard at Keyes Gap!

94.7 WLTT Bethesda, MD 40 mi. ex-WJMD Also took log at Sugar Loaf later in day. Nice letter QSL already back.

Then on to Sugar Loaf later in the afternoon and took a log on another local. Sugar Loaf Mountain is 10 mi. SE of Frederick, MD.

5/7 107.7 WWMK Warrenton, VA 40 mi. ex-WEER, rock, STRONG!!

It is interesting to note that their AM station on 1250 also changed calls going to WPRZ "Praise Radio" with an all religious format.

George Rogers, 320 Lafayette Rd., Chickamauga, GA 30707 - April 27 to May 24 EDT

Large table listing radio stations, frequencies, and locations. Includes entries like 0945 WTVY, 1043 KELT, 1043 KIEW, etc.

6/6 tr				
0125 KLBJ	93.7 TX Austin, ID, r	410	2200 KUHF	88.7 TX Houston, ID 460
0200 WQXY	100.7 LA Baton Rouge, ID, nx	530	2200 KLOL	101.1 TX Houston
0205 KVLU	91.3 TX Beaumont, ID, s/off	460		
0222 KTYL	93.1 TX Tyler, ID, r	290	6/7 tr	
1059 KZLE	93.1 AR Batesville, ID, r	305	0008 KRMD	101.1 LA Shreveport, ID, k 320
1100 WWNC	89.9 LA New Orleans	590	0016 KMRV	100.3 LA Alexandria, ID, k 430
Es			0025 WXXX	106.9 AL Birmingham, ad; kicks 106'620
1800 KUNR	88.7 NV Reno, ID	1280	0052 KILT	100.3 TX Houston, talk, ID, nx
2040 KBBY	95.1 CA Ventura, ID, k	1285	0126 KODA	99.1 TX Houston, ID, m "koda" 460
2058 KZNS	94.3 CA Barstow, AK-FM ID, k		0130 KHOC	99.9 TX Waco, ID, "FM-100" 320
2105 KFAC	92.3 CA Los Angeles, ID, nx 1220		Es	(This super opening to be cont. next month)
2106 KZCZ	93.3 CA San Luis Obispo, tent.		1659 WRVS	95.1 MD Baltimore, ID

The annual monsoon-like rains in Oklahoma, which seem to trigger June tropes have been even more excessive than usual. Rain here for May totaled up to 14.6 inches, second highest for May on record. Since June started the rains slackened off; that allowed some good trop to form. Days continue to be cloudy and humid, also hotter, so more trop may be in store.

Just had Es in from several rare New England states, too late to print now. The '82 DX season has really been looking up the past few days. If you are having good luck with the DX this year, why not share your results by reporting to one of the columns? 73.

REPORT YOUR FM DX TO THIS COLUMN IF YOU ARE FROM: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MS, NC, NE, NV, OK, SC, TN, TX, UT, VA, AND WY.

SPECIAL REPORT NEW SUPER UHF AMP FROM BLONDER-TONGUE?

Another new high-performance UHF preamplifier may be the answer to TV DXers' demands. Morrie Goldman reports that Blonder-Tongue, maker of the legendary CMA-U and CMA-Ub low-noise/high gain preamplifiers, has a new unit that sounds like something TV DXers have been waiting a long time for.

B-T's new unit is called the "Enterprise 1-U," and they're claiming 20 dB gain in the ch 14 to 83 range (that's undoubtedly an average, with no indication of maximum/minimum figures, of how "flat" it is). More importantly, B-T is claiming noise figures of 2.2 dB in the ch 14 to 69 range, with a 3.0 dB NF at ch 70 to 83. Thus, it sounds pretty much like the type of unit that the Winegard AC-4990 is, especially in the lower part of the UHF TV spectrum, where the AC-4990 seems superior to B-T's CMA-Ub.

Where this unit really may be superior to others though, is in the way it can handle very strong local UHF signals. For the DXer with local U's on the air, this has become extremely important, because the better a preamp can handle local overload potential, the less cross-modulation and un-wanted mixing products there will be in the UHF DX tuner.

Here's the most fascinating claim made by B-T: "Unaffected by strong interfering signals." We've heard this kind of claim before, but if this amp is what it is claimed to be, it may be accurate. B-T has a fairly good reputation when making claims for their amplifiers.

The Enterprise 1-U is being described as a home unit, like the Winegard AC-4990, and may cost substantially less than the CMA-Ub, which was designed for commercial applications (MATV and CATV, etc.).

We hope to have much more info on this new preamp soon. WTFDA would like to hear from anyone who's tried this amp out under DX conditions. With all the interest in high performance UHF preamps by the electronics industry in recent months, largely as a result of the Low Power TV boom, this could be the beginning of a series of advances in commercially-available antenna preamp technology that benefits TV DX enthusiasts!

CCI [UNIDENTIFIED DX]

Robert Grant, N8DZY.
5775 Bishop
Detroit, MI 48224.
July, 1982.

TV unIDs:

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260.

1982: Mon 3 May Es ch 2 0810 MDT-- "Laverne and Shirley" into "The Odd Couple" at 0830.
" " " " ch 3 0812 MDT-- "Mister Rogers Neighborhood" 10 K beat to KENW.
(PTA for 3 May is E.)

(sounds like WEDU. KENW's offset is in question.
the table of assignments lists KENW as + but
John Combs logged KENW as a 0 offset. -RG)

" " " " ch 5 0823 MDT-- "Donahue" into "Merv Griffin" at 0830.
" " " " ch 4 0858 MDT-- end "The Peoples Court"
" " " " ch 3 0858 MDT-- end "The Peoples Court" (Parallel episodes?? -RG)

" " " " ch 6 0901 MDT-- "The Peoples Court"

Tue 11 May Es ch 2 1300 MDT-- "Cadena 4" ID (PTA: S)

Tue 11 May " ch 2 1502 MDT-- "PTL Club" (PTA: E)

" " " " ch 3 1550 MDT-- "Sanford And Son" (PTA: E)

" " " " ch 6 1558 MDT-- "Charlie's Angels" (PTA: E)

" " " " ch 4 1607 MDT-- "Sanford & Son" (PTA: E)

" " " " ch 3 1707 MDT-- "M*A*S*H" (PTA: E)

" " " " ch 3 1800 MDT-- "Happy Days" (PTA: E) (ABC, EDT. -RG)

" " " " ch 2 2100 MDT-- News mentioned "Lake Winnebago" (PTA: N)
(Definitely WBAY. -RG)

" " " " ch 4 2142 MDT-- "Dave Allen Show" (PTA: NNE)

" " " " ch 2 2201 MDT-- "Ironside" (PTA: NNE)

(Definitely WJBK. Confirmed by phone call. -RG)

" " " " ch 4 2205 MDT-- "INN News" Mention of "cleaning up Eagle Creek" (NNE).

" " " " ch 4 2216 MDT-- ad mentioned "Lawrenceville" (PTA: NNE)

" " " " ch 4 2216 MDT-- "Rockford Files" (PTA: NNE)

" " " " ch 2 2300 MDT-- "Hawaii Five-O" PTA: NNE.

Wed 12 May Es ch 4 0914 MDT-- "CHiPs" (PTA: NE)

Thu 20 May Es ch 4 2033 MDT-- "Family Feud" (PTA: W)

" " " " ch 5 2035 MDT-- "Laverne and Shirley" (PTA: W)

Sun 23 May Es ch 3 2136 MDT-- western movie. (PTA: E)

" " " " ch 2 2208 MDT-- "PTL Club" (PTA: E).

Eric Fader, 23-35 Bell Blvd., Bayside, NY 11360.

1981: Thu 18 Jun Es ch 3 1130 EDT-- ID slide w/ promo for "I Love Lucy" Monday at 4:30
and ID at Lower Right. Then into "The Price Is Right"
(CBS) (PTA: SE'n U.S.)

" " " " ch 3 1718 EDT-- ad- "5 Flags Speedway"

" " " " ch 3 1730 EDT-- end "\$6,000,000 man" begin "My Three Sons". (PTA: SE US.)

Wed 24 Jun Es ch 3 1000 EDT-- end "Good Morning America" begin "700 Club".
(Eric says this might be WSL.)

Sun 5 July Es ch 3 1759 EDT-- ad for "Wings of Gold (airplane) Museum".

Robert Grant, N8DZY., 5775 Bishop, Detroit, MI 48224. editor.

1982: Mon 24 May Es ch 4 1930 EDT-- promo for KS City Royals BB w/ "Go 4 the Action" logo.
+ or - offset so not WDAF which is 0 offset.

FM unIDs:

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260.

1982: Mon 3 May Es 88.5 0912 MDT-- Music of the 1940's. (PTA: E)

Wed 12 May Ms 98.1 1050 MDT-- Mention of "Norfolk". (perhaps WTVR-FM in Richmond? -RG)

(WBOB Doubtful. By the way, are people from Galax, VA called Galaxians?)hi.

Sun 16 May Es 96.9 1822 MDT-- "Teton Mystery" (PTA: SD, ND, MT, MN.)

After getting off to a good, early start on 11 May. Summer Es has been missing during late May. I hope it picks up in June. When I cleaned the tuner (routine) in my '59 Zenith a few days ago something in the tuner broke. (\$&#%*e&(\$*?!

I would like to thank the column reporters who made this the first monthly CCI column since I started in December. Keep up the good work.

VHF UTILITY DX

Donald L. Blevins
499 Monterey Ave
Odenton, MD 21113

This month's feature will be the story of an adventure...an adventure atop Virginia's highest auto road Mount White Top. Located in South-western Virginia near the Tennessee and North Carolina border, Mount White Top bears a bountiful fruit to the DX'er.

With a Bearcat 210 mounted in the car and an Antenna Specialist antenna mounted on the rain gutter, Tom Yingling and I left Odenton, Maryland bound for my aunt's house in Jefferson, North Carolina, on May 29. After a brief short stop in Tysons Corner, Virginia we finally got under way.

Programming frequencies for Vienna Police (155.70) Virginia State Police (159.135-159.165-155.445) Prince William County Police (453.375) & Fire 154.325 we embarked on our adventure on I-66 where for the first time I finally received a Virginia State Police mobile on 155.445 talking to the Alexandria Base on 159.135.

Exiting on 29-211, I then programmed 39.80 (Fauquier County Sheriff) and 46.50 (Fauquier County Fire). I also noted by listening that Warrenton Police operated on the same frequency, as is common between a rural county and it's county seat. Very little activity was noted until we came in listening range of Culpeper County (39.42).

After a short lunch stop in Culpeper, we got under way down the road towards Charlottesville where more activity was noted from Charlottesville Police Department (39.44), Charlottesville Fire Department (46.46) and Albemarle County Sheriff's Department (39.86).

Very little activity was noted until we came closer to Roanoke, where much more activity was noted on 155.13 (Roanoke Police) 154.31 (Roanoke Fire Department) 39.36 (Roanoke County Police) 46.48 (Roanoke Fire Department) and 155.82 (Roanoke Rescue). This area was more active than most of the trip with the exception of the area around Washington, DC.

The area Montgomery County was also very active where Blacksburg Police (154.785) Christiansburg Police (39.20) Montgomery County Sheriff (39.24) Radford Police (155.565) were all noted.

Trudging our way south we made a stop in Pulaski County where the Sheriff's Department was heard on 39.28 and the City of Pulaski was noted on 155.685; Wythe County was noted on 39.54 and 39.64 along with Wytheville Police. Smyth County was noted on 39.40 along with Marion Police.

Headed southbound towards North Carolina on State Route 16, Grayson County Sheriff was noted on 39.56, as we crossed the North Carolina into Ashe County where the Sheriff's Department was noted on 154.845 along with the North Carolina Highway Patrol on 42.60 (Base) 42.66 (Mobile).

Arriving late Saturday night, I retired to bed to get an early start Sunday morning for the pilgrimage to Mount White Top. After a hearty breakfast, Tom and I started out for the mountain. Not without hitch, though as we started the ascention to the stop we encountered a tree blocking the road, a most distressing situation. A friendly camper equipped with a hand saw rectified the situation making possible our climb to the summit.

Cool temperatures made jackets the dress for the day at least for a couple of hours. Heavy fog and mist rolling by made the first hour very dreary to say the least.

Tom set up his portable TV on a log while suspending his corner reflector antenna from a tree while I sat in the car with the Bearcat 210 and the dual band antenna searching the bands for new signals.

Utilizing the police call magazine and a couple of maps, I began my investigation by throwing the scanner in search from 155-156. Keeping in mind that this was a Sunday Morning on a three day holiday in a basically agricultural area, I focused more of my attention on a more logical approach, that is to program and search. My findings are noted below.

Search from 155-156 mhz

155.70 Bristol Virginia Police
155.37 Unknown
155.595 Bristol Police Bristol Virginia

Program

39.98 Various Sheriff's Departments in West Virginia
42.42 Tennessee Highway Patrol at Elizabethton
42.60 North Carolina Highway Patrol at Newton
37.26 Sevier County Sheriff's Department Sevierville, TN
37.26 Jefferson County Sheriff's Department Danbridge, TN
42.52 North Carolina Highway Patrol Salisbury
42.10 West Virginia State Police Charleston
42.62 North Carolina Highway Patrol Asheville
39.54 Wythe County Sheriff Wytheville, VA
42.64 North Carolina Highway Patrol Monroe
42.10 West Virginia State Police Beckley
42.10 West Virginia State Police Logan
155.43 West Virginia State Police Turnpike
39.54 Bland County Sheriff Bland Virginia
44.62 Kentucky State Police (location unknown possible Pikesville)
39.40 Marion Police Department
42.62 North Carolina Highway Patrol Greensboro
39.36 Roanoke County Police Roanoke
46.48 Roanoke County Fire Roanoke
39.44 Russell County Sheriff Lebanon VA
154.815 Allegheny County Sheriff Sparta NC
39.28 Pulaski County Sheriff Pulaski VA
39.76 Allegheny County Sheriff Covington VA
39.32 Tazewell County Sheriff Tazewell VA
39.32 Bluefield Police Bluefield VA
39.62 Washington County Sheriff Abington VA

Robert E. Schweitzer 7 Madeline Avenue East Brunswick, NJ 08816 reports:

Radio Aids to Navigation

Quebec PQ 112.8	St. Jean PQ 115.8
Sherbrooke PQ 113.2	Montreal PQ 116.3
Beauce PQ 117.2	Mirabel PQ 116.7
Presque Isle ME 116.4	Millinocket ME 117.9
Ward ME 108.4	Bangor ME 114.8
Princeton ME 114.3	Augusta ME 111.4
Navy Brunswick ME 115.2	Kennebunk ME 117.1
Manchester NH 114.4	Concord NH 112.9
Keene NH 109.4	Lebanon VT 113.7
Montpelier VT 108.2	Burlington VT 117.5

WESTERN TV-DX

July 1982

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260

March 1982

23 Es 1725 unid 2 (Ø-KMID, XEW net)	3 Es 0900 XEW 2 DF 960	12 Es 0830 WSJK 2 TN 1170
1728 mid 3 (Ø-KENW net)	0910 unid 6	0900 WCYB 5 VA 1224
1731 unid 4	0930 WCIX 6 FL 1508	0934 WYBC 4 SC 1206
1732 unid 2	4 tr 0800 KQGF 6 NM	1000 WSB 2 CA 1098
(news, not XEW net)	5 Es 0905 unids 2,4 ene	1120 WTVY 4 AL 1067
1740 unid 4	6 Es 2010 unid 2-5 ene	1130 WKRG 5 AL 936
1740 unid 3	2059 WSJK 2 TN 1170	1259 WMAE 2 MS 828
(above all Spanish)	2102 WUNCT 4 NC	1928 CKTV 2 SA 1188
31 tr 1800 KSWO 7 OK 289	2107 WNGE 2 TN 968	15 tr 0900 KRIV 26 TX 515
	8 tr 0835 Amarillo 4,7 (snow free)	KVEO 23 TX 576
	11 Es 1042-50 unids 2,3	KEDT 16 TX 505
	1300 unid 2	KNCT 46 TX 368
	(Gadena 4)	0912 Austin U's 377
		0921 KLTL 18 LA 630

April 1982

1 tr 0810 Austin 8,24,36	1333 WCBD 2 SC	0923 D-FW U's 21,39
0812 KWEX 4 TX 380	1459 WSB 2 GA 1098	0928 KHTV 39 TX 515
0813 KRIV 26 TX 515	1529 WAGA 5 GA 1098	Es 1026 KREM 2 WA 1224
0815 D-FW U's 368	1600 WCBI 4 MS 864	tr 2314 OKC 25,34,43
0820 KNCT 4 TX 368	1626 WYBC 4 NC 1206	Es 2318 KTLA 5 CA 855
0830 KAMU 15 TX 441	1659 WUNC 4 NC 1395	KNXT 2 CA 855
0900 KFDX 3 TX 282	1700 WDIQ 2 AL 1008	KEYT 3 CA 945
0930 D-FW 4 TX 368	1800 FWL 4 LA 819	KNBC 4 CA 855
11 tr 2313 D-FW U's 368	1900 WIVY 4 AL 1067	2326 KSBY 6 CA 1004
13 Es 1930 XEWO 2 TX 840	1900 WEART 3(AL)	2329 KPTV 5 CA 1116
14 tr 0800 OKC U's 380	2021-34 unids 2,3,6/	2330 KTTU 2 CA 1116
18 Es 0920 XEW 2 DF 960	2100-04 un.2,4,5 ne	16 Es 1650 CKTV 2 SA 1188
0926 unid 4 - full CB	2107 WBAY 2 WI 1125	1653 CJFB 5 SA 1193
0936 unid 3	2109 KGAN 2 IA 818	1732 KDIX 2 ND 936
(Ø-KENW, XEW net)	2121 WYBC 4 SC 1206	1758 KSRP 6 ND 1035
	2122 WFMY 2 NC 1350	1800 KFYP 5 ND 927
	2201 WFTO 2 IN 981	(video ID)
	2201-16 unids 2,3,4	1800 KSTP 5 MN 968
	2227 WJFK 2 MI 1260	(audio ID)
	12 tr 0805 K55AM 55 NM	(went to FM)
	0815 K57BR 57 NM	2100 KREM 2 WA 1224
	0820 K74DO 74 NM	2101 KAITD 4 MT
	0821 K65CB 65 NM	2200 KTVU 2 CA 1116
	Es 0830 WOAY 4 WV 1292	2230 KRON 4 CA 1116

May 1982

3 Es 0810-12 unid 2,3	0820 WFL 4 LA 819	12 tr 0805 K55AM 55 NM
0823-36 unid 6,3,5,6	0850 WPTV 5 FL 1485	0815 K57BR 57 NM
0858-59 unid 3,4	0859 XHD 4 TX 792	0820 K74DO 74 NM
		0821 K65CB 65 NM
		Es 0830 WOAY 4 WV 1292

First some local news. It's been reported in the newspaper that KMID-2 Midland will switch from NBC to ABC "in the near future." I assume that KTPX-9 and KWAB-4 will switch to NBC.

Trops has been fair to good here. Es has been good to excellent with over 10 hours worth on 5-11, 4 1/2 hours on 5-12, and 5 1/2 hours on 5-16. A lot of new ones for me - my first real Es season at this new location. Totals will climb until I reach saturation. New Orleans is the first city I've ever gotten via two modes, Es and trops.

Lost use of Alliance C-225 rotor with FM vert., ch 2 and 5 10 element antennas. Now have ch 2-6 antenna at 35' and CM 6' dish (no pre-amp yet) at 40' on second tower. Brought 6' tower down to 50' for the summer. (Because of thunderstorm danger). Now have just Finco 7' dish, ch 7-13 and FM on it.

Finally got around to installing my own satellite earth terminal with remote antenna lift. I've been selling them for a year now - National Microtech System with Apollo Z-1 receiver. 60 to 80 channels so far with 11 satellites and more to come. Best of luck, Jim

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

Equipment: RCA 1984 XL-100 color, JC Penney 5" b&w portable, Archer VU-120 with coax lead-in, Winegard AC-9880 preamp at 28' AGL

May 1982

1 tr 0716 WAEO 12 WI 178	1 tr 0801 KTTN 21 IA 128
0720 WHRM 20 WI 155	2 tr 0840 WLEF 36 WI 170
0726 WAOW 9 WI 155	4 LS 2012 KSIN 27 IA 218

Western TV DX

July 1982

Ronald Purdue (continued)

4 LS 2031 KYNET 26 NE 257	14 AC-9880 installed!!	24 tr 1616 KSIN 27 IA 218
2035 WKOW 27 WI 168	15 Es 1730 WESH 2 FL 1205	25 tr 0659 WMTV 15 WI 168
2049 WIFR 23 IL 194	2026 WMAE 2 MS 760	(KAVT-15 Austin off)
6 Es 2058 KPRC 2 TX 1005	2040 WTVY 4 AL 963	0709 WIFR 23 IL 194
(MVF 72 MHz)	19 tr 0716 KTTN 21 IA 128	0722 WTVU 17 IL 218
8 tr 0819 KSIN 27 IA 218	24 tr 1509 WWTW 18 WI 237	0726 WKOW 27 WI 168
tr 0830 W55AP 55 WI 55	1525 WHA 21 WI 168	1718 WLEF 36 WI 170
(River Falls WHWC28)	1526 WKOW 27 WI 168	1720 WHRM 20 WI 155

TV-DX'ing in April got off to a rotten start while the month of May, I consider the start of the 1982 TV-DX season. On the 16th of April, the antenna service came out and put in the wrong preamp! I asked for the Winegard AC-9880, and they went and put in the AC-8950! So, I asked the antenna service to order the AC-9880, and it took about a month to put it in. The rain had caused delays.

I plan to file a complaint with RCA about the defective UHF tuner in my XL-100. It still causes problems since I had it checked and realigned last March. I tried to realign it myself on the 24th of May, but it's still not perfect. I think it needs a new UHF tuner.

By the time you read this report, WFBT-29 in Minneapolis should be on. I have heard that KTTM in Minneapolis hopes to go on September 1, 1982. I am hoping that others report on KTTM and WFBT in the WUD columns during the fall tropo openings. That's it for now. I wish WFFDA'ers a good summer DX season. See you in 30. 73's.

Pat Dyer, 5315 Silvertip Drive, San Antonio, TX 78228 CST

Equipment: 1980 model 9 inch b&w Penncrest; Archer V-100 and eight-bay bow-tie UHF array at 20 feet with rotor.

April 1982

30 tr 0414 WAFB 9 LA 450	3 Es 0453 WCIXT 6 FL 1150	6 Es 1955 KNAZ 2 AZ 855
KEMT 12 TX 275	0456 WPTV 5 FL 1150	1959 KTGA 2 MN 1110
0423 KJAC 4 TX 280	(loc. 5 t/on - 0457)	WCJAT 3 IL 935
0444 KPLC 7 LA 325	0511 WTVJ 4 FL 1150	2005 WCOOT 4 MN 1110
0446 WVUE 8 LA 510	(loc. 4 t/on - 0515)	2030 KGAN 2 IA 945
0451 KATC 3 LA 395	0523 WESH 2 FL 1055	2059 WTVU 2 IN 935
0452 KADN 15 LA 395	0544 WEDU 3 FL 985	WKZO 3 MI 1140
0452 WGNV 26 LA 510	0659 WCBD 2 SC 1120	2100 WBEM 2 IL 1045
0511 KFDM 6 TX 275	0710 WCIVT 4 SC 1120	(MUF 89.7 @ 2111)
Es 0710-0750 unids 2 Sp	0721 WSAV 3 GA 1050	2120 WKYC 3 OH 1250
0930 unids 2,3	0729 WRGB 3 TN 865	2220 f/out
0947 WSAV 3 GA 1050	(-030-0900, spotty	7 tr 0452 KTPX 9 TX 295
0948 WCBD 2 SC 1120	144 MHz Es into FL	0459 KHID 2 TX 275
1003 WCIVT 4 SC 1120	panhandle.)	Es 0608-0755 unids 2/
1004 WBSCT 5 SC 1120	0959 WEDU 3 FL 985	Spanish, s se
1029 WSB 2 GA 880	1030 Cuba 2	0918-0955 unid 2 Mx
1229 KGAN 2 IA 945	WESH 2 FL 1055	1504-10 Cuba 2
1915-1935 WPBT 2 FL	1055 Cuba 3	8 Es 0756 WSJK 2 TN 1010
2120-2125 KNXT 2 CA	(MUF 104.9@1147-Mex)	0819 WCBDT 2 SC 1120
KVBCT 3 NV 1050	1227 XHTT 6 PU 735	WCIVT 4 SC 1120
	1259 KEZ 3 QR 620	0823 WSAVT 3 GA 1050
	1359 WPBT 2 FL 1150	0831 WDTWT 5 WV
	1402 XEWO 2 JA 690	0850 f/out
	1430 KHAP 2 GR 880	0920-0935 unids 2
	1434 XHTR? 2	1810-20
	1450 f/out	1845-1900 unids 2/
	1810 YSU t 4 ES 1200	very spotty
	1839 YSR 2 ES 1200	1940 unids 2,3
	1850 f/out	1956 WBEM 2 IL 1045
	4 tr 0413 KJAC 4 TX 280	2048 WCOOT 2 MN 1110
	0417 KLTV 7 TX 280	2100 KTGA 2 MN 1110
	0437 KPLC 7 LA 325	2200 f/out
	5 Es 1930 WESH 2 FL 1055	99 Es 1335 unid 2
	2016 WJXT 4 FL 1015	1915-1925 unid 2 Mex
	2120 f/out	11 Es 0813-25 unids 2,3
	6 Es 1115-35 unid 2,3	0828 WGR 2 NY 1420
	1135 KNAZ 2 AZ 855	0829 KDKA 2 PA 1280
	1203 YSR t 2 ES 1200	0915 KQTV 2 MO 750
	1245 f/out	0959 KTVU 3 MO 835
	1330 unid 2 se	1024 WDIV 4 MI 1225
	1940 unid 2	1029 KTCA 2 MN 1110

May 1982

1 Es 0640-0740 unids 2,3/	Mexico
0740-1030 unids 2-5/	
1037 WESH 2 FL 1055	
1058 WCBDT 2 SC 1120	
1102 WFMY 2 NC 1175	
1503 unids 2	
1520 KTWOT 2 WY 1015	
1535 KWGN 2 CO 810	
1605-25 lull	
1625-1730 unids 2-4	
1810 unid 2	
1828 KTWU 2 WY 1015	
1855-1915 unids 2 Mx	
3 Es 0450 unids 2-6	
(at tune/in!)	
(MUF 89.7 @ 0453)	

Pat Dyer (continued)

11 Es 1030 WCCO 4 MN 1110
 1042 KMTV 3 NE 830
 1129 WFLY 2 NC 1175
 1135 WECT 6 NC 1250
 (MUF 107.9 @ 1340)
 1428 WDTN 2 OH 1075
 1458 WKYC 3 OH 1250
 1459 WISC 3 WI 1065
 KTWO 2 WY 1015
 1500 KID 3 ID 1215
 1559 WBBM 2 IL 1045
 1602 KTVO 3
 1700 WCIA 3 IL 935
 1723 KWGN 2 CO 810
 (MUF 98.9 @ 1724)
 (MUF 107.9 @ 1747)
 1859 KUSD 2 SD 920
 (Hvy local lightning)
 2113 WDTN 2
 2117 WFTW 2 IN 935
 2121 WKYC 3
 2305 f/outs
 12 Es 0730 unids 2,3
 0741 WKZO 3 MI 1140
 0759 WCIA 3 IL 935
 WBBM 2 IL 1045
 0828 KUSD 2 SD 920
 0829 WBAY 2 WI 1190
 0859 KTVI 2 MO 790
 (MUF 99.1 @ 0910)
 0932 KTVO 3 MO 835
 0959 KIMT 3 IA 985
 KPRY 4 SD 1035
 (MUF 94.7 @ 1040)
 1059 KOTA 3 SD 1040
 (MUF 96.9 @ 1127)
 1200 KWGN 2 CO 810
 1229 KIVVt 5 SD
 (MUF 98.7 @ 1352)
 (MUF 98.7 @ 1352)
 1459 KNAZ 2 AZ 855
 1526 KID 3 ID 1215
 1656 KFYRt 5 ND 1200
 1658 KBME 3 ND 1200
 (MUF 90.5 @ 1710)
 1717 KTVK 3 AZ 835
 1729 KGFE 2 ND 1240
 1740-2100 unids 2-4
 (lots of lightning)
 1855 unid 2 s Mexico
 13 Es 0750 unid 2
 0758 KTWO 2 WY 1015
 0759 KUTV 2 UT 1080
 1049 KVBct 3 NV 1050
 1100 f/outs
 14 tr 0415 KTBS 3 LA 350
 0416 KSLA 12 LA 350
 0417 KLTV 7 TX 280
 0535 KLTs 24 LA 350
 0859 KETS 2 AR 515
 Es 1042-45 unid 2
 1117-25 unid 2
 1228 KWGN 2 CO 810
 KUTV 2 UT 1080
 1254 KOA t 4 CO 810
 1258 KID 3 ID 1215
 1259 KTWO 2 WY 1015
 1400 f/outs
 1430 unids 2,3
 14 Es 1640 unids 2 ne
 1657 KTCA 2 MN 1110
 1815 f/outs
 1920-40 unid 2 Mex
 15 tr 0520 KPLC 7 LA 325
 Es 1128 unids 2-5
 (MUF 88.5)
 1131 KQTV 2 MO 790
 WDAFt 4 MO 700
 1159 KUSD 2 SD 920
 1330 f/outs
 2000-45 unids 2-4 ne
 (MUF 88.3 @ 2053)
 2059 WFTW 2 IN 935
 2143 WCCO 4 MN 1110
 2145 KDLH 3 MN 1250
 KTCA 2 MN 1110
 2157 KSTPt 5 MN 1110
 (MUF 88.5 @ 2202)
 2230 f/outs
 16 Es 1635-58 unids 2-5
 1655 WDTVt 5 WV
 1659 WSAZ 3 WV 1100
 WNGE 2 TN 820
 1734 WSJKt 2 TN 1010
 1803 unids 2-6
 (severe lightning)
 (MUF 99.9 @ 1813)
 1835 KOTA 3 SD 1040
 1854 KIVVt 5 SD
 1857 KPRYt 4 SD 1035
 2029 KID t 3 ID 1215
 KWGN 2 CO 810
 2059 KTWO 2 WY 1015
 2230 f/outs
 17 ms 0507 KTCA 2 MN 1110
 18 Es 0942-48 KNXTt 2 CA
 0957 Cuba 2
 1740-1820 unids 2/
 Mexico, s/se
 19 Es 0615-25 unids 2
 0649 WKYC 3 OH 1250
 0657 KDKA 2 PA 1280
 0725 WTAET 4 PA 1280
 tr 0731 KCBdt 11 TX 340
 Es 0738 WDTNt 2 OH 1075
 0748 WJFK 2 MI 1225
 0749 WFTW 2 IN 935
 0759 KDIX 2 ND 1225
 0822 KPRYt 4 SD 1035
 0828 KFYRt 5 ND 1200
 0829 KBME 3 ND 1200
 0843 KOTA 3 SD 1040
 0928 KIVQ 2 MT 1245
 0929 KGFE 2 ND 1240
 0959 WGBD 2 SC 1120
 1040 f/outs
 2115 KTCA 2 MN 1110
 2200 f/outs
 2345-50 unids 2,3 nw
 1210-25 unids 2,3 w
 1226 KNAZ 2 AZ 855
 1229 KVBC 3 NV 1050
 1232 KVVU 5 NV 1040
 (MUF 98.5 @ 1302)
 1420 f/outs
 1505 KUTVt 2 UT 1080
 1510 KTVXt 4 UT 1080
 1531 KSL t 5 UT 1080
 (MUF 98.7 @ 1545)
 20 Es 1603 KID 3 ID 1215
 1659 KTWO 2 WY 1015
 1705 f/outs
 1820-1855 unids 2-4
 1850 WCIVt 4 SC 1120
 1859 WGBD 2 SC 1120
 WDIQ 2 AL 730
 1905 WScst 5 SC 1120
 1915 WSAVt 3 GA 1050
 2115 f/outs
 2257-2300 unid 2 nw
 23 Es 1115-1130 unid 2 /
 Mexico, west
 1210 unid 2 e
 1605-1635 unid 2 w
 1727-58 unids 2-4
 1759 KEYT 3 CA 1270
 1927 KNXT 2 CA 1190
 1928 KNBct 4 CA 1190
 1958 KVVU 5 NV 1040
 (MUF 98.5)
 2043 KVOAt 4 AZ 750
 2059 KVBC 3 NV 1050
 KUAT 6 AZ 750
 2119 WDTN 2 OH 1075
 2208 KTWO 2 WY 1015
 2300-10 unids 2-4
 24 Es 0700 Cuba 2
 0712 Cuba 3
 0723 two stations w/
 Cuba tp on ch 2
 0758 WPBT 2 FL 1150
 0905-30 unids 2,3
 0931 KGAN 2 IA 945
 0959 KTVXt 4 UT 1080
 KOTA 3 SD 1040
 KTWO 2 WY 1015
 1018 KWGN 2 CO 810
 KOA t 4 CO 810
 1058 KUTV 2 UT 1080
 (MUF 90.1 @ 1228)
 1259 KDIX 2 ND 1225
 1345 f/outs
 1734 unids 2 e
 1813 unid 2 ne
 1945-2000 unid 2 ne
 2100 WGR 2 NY 1420
 2120 f/outs
 0945-1015 unids 2 ne
 lull to 1040
 1045 WFTW 2 IN 935
 1110 WCCO 4 MN 1110
 1129 KTCA 2 MN 1110
 1134 WBAY 2 WI 1190
 WFRVt 5 WI 1190
 1158 KBME 3 ND 1200
 1159 KTVI 2 MO 790
 1220 f/outs
 1430 unid 2 Sp, s/sw
 1515 unid 3
 1540 unid 4
 (MUF 98.5 @ 1547)
 -1800 unids 2-5
 1747 YSR 2 ES 1200
 2000 unid 2 ne
 2100 unids 2,3
 2123 KUTV 2 UT 1080
 2155 f/outs
 26 Es 1049-57 unid 2
 1320 unid 2

Pat Dyer (continued)

26 Es 1359 KUSD 2 SD 920
 KDLO 3 SD 1070
 1424 KPRYt 4 SD 1035
 1428 KOTA 3 SD 1040
 1429 KGFE 2 ND 1240
 KBME 3 ND 1200
 1439 KFYR 5 ND 1200
 (MUF 97.1 @ 1459)
 1501 KPLO 6 SD 995
 1509 KDIX 2 ND 1225
 1700-20 lull
 1720-1840 unids 2-5
 2058 KGFE 2 ND 1240
 2103 KOTat 3
 2115 KUTV 2 UT 1080
 KTVXt 4 UT 1080
 2129 KBME 3 ND 1200
 26 Es 2159 KTWO 2 WY 1015
 2201 KID 3 ID 1215
 (MUF 98.7 @ 2226)
 tr 2259 KCBd 11 TX 340
 2318 KMID 2 TX 280
 2334 KSWs 8 MN 440
 Es still unids 2,3
 27 Es 0010-15 unid 2 ne
 tr 0059 KENW 3 NM 430
 Es 1015 WScst 2 FL 1255
 1028 WPBT 2 FL 1150
 1040 unid 2 Spanish
 1058 KGAN 2 IA 945
 1059 WISC 3 WI 1065
 1100-1305 un. 2,3 Sp
 1335 KNXIt 2 CA 1190
 27 Es 1335 KPHot 5 AZ 835
 (MUF 96.5 @ 1332)
 XETVt 6 BCM1100
 KTVK 3 AZ 835
 1343 KNBct 4 CA 1190
 1350 KTLAT 5 CA 1190
 1359 KEYT 3 CA 1270
 1421 KNAZ 2 AZ 855
 1509 KWGN 2 CO 810
 1520 KOA t 4 CO 810
 1655 f/outs
 1810-30 unid 2 spotty
 1830 YSR 2 ES 1200
 1848 YSU t 4 ES 1200
 1928 unid 2 Mexico
 1940 f/outs

A lot of days with hours of Es into Mexico where the individual station ID's can be long awaited. Early morning Es on May 3 somewhat a shock (as was the 2-m Es later; very early in the season for that). Some good trop on a few days, but never lasting long. 75, Pat, WASIYX

James J. Stiles, CFAO/NAFtr, Box SU/LR ADP, FPO Seattle, WA 98770

JST

No TE skip has been observed during the second half of April or thus far in May. However, in April, I got married so time spent on DX'ing has been reduced.

On May 23, from 1100-1300, a strong E skip opening was observed. On channel 2, the AFKN station in Seoul was observed with a steady signal. The programming consisted of a Washington talk show and NBA playoff game. On channel 3, or there about, the signal of the North Korean television station was evident, though distorted due to incompatible transmission standards and a beacon transmitting a cross-hatch interference pattern from Seoul (observed locally when I was in Seoul). On channel 4, a Korean Broadcasting System station, probably in Yeseo or Chunju, was observed with a weak signal. On channel 5, the Seoul MBS station was quite strong but there was also severe interference from Japanese FM stations. Channel 6 had a strong signal, but similar interference made ID impossible.

After 1200, the skip began to shift westward, and the Korean stations were replaced with Chinese stations on all channels 2-6. Signals remained strong, but video was unreadable due to transmission mode. I have not as yet obtained a TV to receive transmissions of systems other than those which are compatible with the US system. However, I am hoping this summer to make such an acquisition (a large clearance sale is expected at the base exchange when the new store opens in June or July).

On six meters, SSB, there were numerous Japanese and several Korean stations on. Most of the Japanese signals were from the Tokyo or Osaka area, with JABBY being the strongest. Contacts were being made with Philippine and Okinawan stations.

Hopefully, there will be reoccurrence of the E skip to Korea. My wife is Korean, and reception of "hometown" TV stations helps us to justify the collection of electronic gear and mass of cables that litter one of our bedrooms. (congratulations on your marriage! fw)

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

FMF

May 1982

11 Es 2129-2300 unids 2,3
 13 Es 2045 unid 3 NBC se
 14 Es 1359 KTVN 2 NV 1255
 (MUF 88.7 @ 1402)
 15 Es 1636 unid 2 PBS
 1630 WLBT 3 MS 1070
 WFMV 2 NC 1150
 2100 KMID 2 TX 1060
 2128 KENW 3 NM 965
 2129 KWGN 2 CO 650
 (MUF 107.9@2157- NM)
 2228 WBRZ 2 LA 1185
 15 Es 2232 KNAZ 2 AZ 1120
 (MUF 93.1 @2240- CO)
 16 Es 1759 KTVK 3 AZ 1230
 (MUF 106.9@1901- MX)
 (MUF 107.9@2031- AZ)
 2119 XEPM 2 CH 1180
 18 Es (MUF 88.9 @2004- KY)
 2100 WUND 2 NC 1295
 2159 WCBS 2 NY 1210
 2200 KYW 3 PA 1175
 2213 WSB 2 GA 1115
 23 Es 1257 unid 2 s brief
 24 Es 2029 KENW 3 NM 965
 2030 WRBL 3 GA 1190
 24 Es (MUF 93.1 @ 2051)
 2127 KNAZ 2 AZ 1120
 26 Es 2116 CFAC 2 AT 840
 2200 unid 2 Texas
 28 AE 0014 unid 3 CTV w
 (MUF 91.5 @0016- BC)
 0018 CFAC 2 AT 840

June 1982

5 Es 1159 WMAB 2 MS 1015
 1214 WLBT 3 MS 1070
 1243 XEJ 5 CH 1180
 1259 KJAC 4 TX 1165
 (ID'd thru loc KXJB)
 1328 WBRZ 2 LA 1185

The middle of May seemed like a good start for a strong Es season, but things fell off badly at the end. 75, Fred.

THE RADIO SHACK REPORT

by TIM McVEY

I have spent many bucks in Radio Shack stores from Fresno to Knoxville, all as fuel for my electrical curiosity. I have also been a public critic of R/S's sloppy designs, ratty engineering, overpriced parts, and corny president (read a "Flyer-side Chat" in any of their sale papers). The bottom line is that one must know how to buy R/S stuff so that one does not get rooked. It seems that R/S sometimes sells some real gems at decent prices. Today, I'll talk about one such gem, the TM-102 tuner, and also cover some DX accessories.

First, we have Archer TV antennas. I'm no expert, but I figure these are about average, at an average price. Their "Color Supreme" line is better built than the Geminis you would find in K-Mart, but don't try to use one for FM DX'ing. They are not directional and some even have built in FM traps which must be snipped off the end of each element. I used a VU-42 for two years and seldom rotated it, for it would pick up KY and IL while pointed west! Further, UHF performance is lousy above about ch 30. Buy a separate FM antenna.

Next up are the Archer FM antennas, now that I mention it. These are pretty good performers at a fair price. The ten element "Stereo Supreme" is about the same as my Finco FM-5, the former being a bit smaller and using a cradle mount. The Archer is \$30 and the Finco is \$25, though. Naturally, this model and the 6-element model are the high-gain, directional antennas needed for real FM DX'ing.

The two omnidirectionals offered are great for compact or inexpensive stereos, but do not attempt to use with a quality tuner. Compact stereos tend, of course, to be much less sensitive and selective than your MacIntosh, so high-gain, directional antennas will simply overload these radios and generate spurs which cannot be DX'ed through. I have installed the double folded dipole on a friend's Sharp compact stereo and she reported some great reception during last spring's tropo openings from TX, LA, OK, etc. The S-shaped dipole is completely out of the question for DX, although it will make the locals come in a bit stronger. I have tested this antenna extensively in Knoxville and found it worse than a coathanger or random length of twin-lead.

In practice I have found R/S "splitters" and combiners (the unamplified variety that accept various inputs and split them up into UHF, VHF, and FM) to cause signal loss in FM. I cannot explain the failures of these little plastic boxes, but I refuse to use them again.

I bought, tested, and returned the "Indoor FM Amplifier." In Knoxville, it overloaded every tuner (including a Kenwood KT-7500!) I hooked it up to. In addition, it generated close-proximity TVI. Perhaps 24 dB gain is too much, or maybe its use should be limited to areas like central Nevada, but this amp ruins any hope of DX if one is within the primary contour of a FM station. On a TM-102 tuner, stations received noisily in their secondary (or farther) contour came in stronger with full quieting--which is what this amp is intended by the manufacturer to do. However, all clear space on the FM band was packed with spurs 2 or even 3 deep and one local even became noisy with QRM. Inside the case is a very small PCB with a couple of torroid coils, disc caps, and two transistors which I suspect are not

THE RADIO SHACK REPORT

low-noise models. It is powered by a small transformer and half-wave filter. A 75-ohm patch cord and a 75-300-ohm transformer are included. Screw terminals are provided for 300-ohm antenna input. This amp is not intended for UHF or VHF TV.

Now there's the "Archerotor." This sells for \$65, but is identical to the Channel Master 9512, which is \$49 (and it is also made by Channel Master). I use the latter, and it has served me well for over two years now.

The virtues of rabbit-ears are almost mysterious, but anyway, they cannot be beat for DX indoors, especially E-skip. If you still have your December '81 VUD laying around, read Robert Grant's article, "Ears, Loops, and DX." Your standard \$4 rabbit ears--no switches, coils, or gimmicks--will really perform for you if you will stop laughing at them. 10 miles from my house is a Juliette compact with ears borrowed from me...it has picked up some marvelous skip from Colorado and New England with the two rods pulled all the way out and laid flat. But don't waste your money on the other R/S models (the Color Eagles go up to 3 knobs and \$26!!), because (think about it) how is all that extra garbage going to help a signal along when it simply gets in the way of the rods themselves?

Finally, there is the TM-102 (my initials!) tuner for \$59.95. This is a good deal and a great way to start DX'ing on a budget. The specs for this tuner are as follows:

FM Sensitivity: 5 μ V
Selectivity: not given!
Stereo Separation: 35 dB
Image Rejection: 40 dB
S/N Ratio: 60 dB

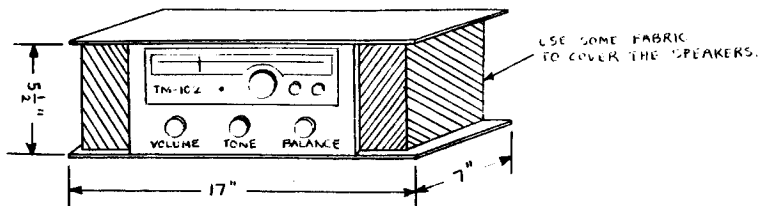
I would rate selectivity as pretty good; if an alternate or adjacent channel is strong enough to come in in stereo, it will plop itself right in. The performance beats a GE Superradio any day, but one loses the advantages of portability. In Knoxville, downtown, I received 83 stations up to 350 miles away from 8 states using the TM-102 and a homemade dipole antenna.

Here in Bolivar, I attached my Finco FM-5 antenna to the the TM-102 to test its performance on extended groundwave conditions at 1000 CDT, June 23. On the JVC JT-V22 tuner, the farthest signal west was KJAG in Fort Smith and interference on 107.3 from Poteau, OK. On the TM-102, KJAG came in on 99.1 as an adjacent channel to semi-local KTHO 98.9 and did so in stereo with fair quieting. No spurs or images popped up anywhere, to my surprise. Every commercial channel had something coming in, and there was even a new 106.3 I had never heard before!

Statistically, the TM-102 picked up some 84 stations from KY, MO, LA, AR, MS, AL, and TN. Some surprises were KJAG Fort Smith (310 miles), KTTT Springfield (273), WIVK Knoxville (282), KNOE Monroe (267), WSJC Magee, MS (248), and most Jackson, MS and Birmingham and Little Rockers. Inside the case is a well-laid-out PCB with 9 transistors, a demodulation IC, and 3-gang capacitor. A small trimmer capacitor allows the user to accurately calibrate the dial, if necessary.

A small but sharp-looking wooden cabinet can be constructed for this tuner that holds a small amp, speakers, and the tuner. Use $\frac{1}{4}$ or $\frac{3}{8}$ -inch plywood and contact paper if your woodwork is sloppy. The tuner is set in the middle with space for a stereo amp below. A salvaged amp from a stereo phonograph or a car tape player works well, and the controls can be removed intact and re-used in most cases. On either "wing", a 2" tweeter (removed from a pocket AM radio, if you will) is mounted in front and a larger 4" "woofer" is mounted on the side. With this arrangement, lots of sound of good quality and almost unbelievable separation can be obtained. Wire the amp's power supply and tuner together and run a single line cord out the back and you have just built a receiver for around \$65 that is capable of some great DX'ing. I built mine according to the drawing below and even rigged up tape and phono inputs and outputs so that I can record what I'm

hearing or use the system as a phono amp. It looks good, and last week XEJP 93.7 from Mexico City really sounded fantastic, by E-skip.



I feel that lots of DX'ers may be curious about the TM-102 as a "second" or "back-up" tuner. Danny Buntin, the SFM editor, recently asked about the TM-102 in the VUD. Beginners will also certainly benefit from this information. This article was based on personal experience and reasonable experimentation and comparison.

Hopefully, this has been of some help to those out there who are limited financially or maybe just wanted to know about the Radio Shack products. Good Luck!

Tim McVey
Rt. 3, Box 568
Bolivar, TN 38008

A CAR FM PREAMP MADE FOR DX?

It's tough to get really good FM DX performance from the typical car FM unit. Some FM DXers have taken steps to upgrade their car FM systems, and there are some really excellent units that can be installed. As good as some of the hottest car FMs are these days, they still are limited by your car's antenna, which is almost always a compromise. Most car FMs are being fed by an antenna which offers probably somewhat less performance than a half-wave dipole. To make up for the lack of a good antenna for their car FMs, many DXers have tried using one of the many preamps on the market these days. Unfortunately, most of these are quite useless when it comes to FM DXing in the car, especially in the presence of strong local signals. What's needed is a low-noise tunable preamp.

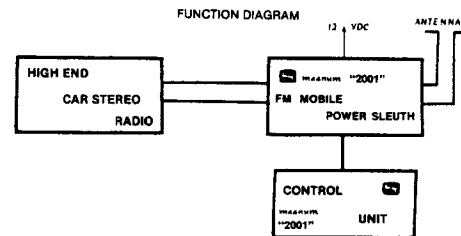
A Canadian firm is making just such preamp, and believe it or not, it almost seems to be made for FM DXers. It's the Magnum "2001 Mobile FM Power Sleuth." Apparently designed for someone who wants to listen to a distant station while driving in an urban location, the Magnum 2001 has been creating quite a stir among electronics enthusiasts along the border. It seems to be popular with Toronto area commuters in cars who want to listen to a favorite U.S. border area station (in the Buffalo or Rochester, NY area) while driving to work. Several U.S. FMs have some very loyal fans in southern Ontario, resulting in the demand for a preamp that would work well without severe overload in downtown Toronto.



The manufacturers claimed specs are very impressive. Their circuit uses dual-gate MOSFETs, for a claimed maximum noise figure of 5 dB. Gain is variable from -40 dB (i.e. equivalent to 40 dB of attenuation) to +30 dB. The preamp is tunable, and therefore, should not be subject to the kind of overload and cross-modulation effects that a conventional car FM "booster" would suffer from in an area with strong locals. The bandwidth is claimed to be a very sharp 600 kHz. There are three stages in the circuit. When used with a good-to-excellent car FM, this preamp should be able to improve DX results greatly, effectively improving image rejection and even selectivity, in certain cases. It can help make up for the poor FM antenna that most cars are equipped with.

A really effective car FM DX set-up would consist of this preamp ahead of one of the Pioneer Supertuner units, or the Fujitsu T.E.N. (see the May 1981 VUD for a review).

The Magnum 2001 is not cheap when compared with most American car FM preamps, but it seems to be one such unit that will really benefit the FM DXer--a rare commodity. U.S. distributor for the Magnum 2001 is: Breubeg Electronics, Inc., 56 Harvester Ave., Batavia, NY 14020. In Canada: 72-74 Stafford St., Toronto M6J 2R8. (WTFDA would like to thank Nick Hall-Patch of IRCA for providing information used in preparing this report)



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TECHNICAL TOPICS



Q: "What's the best all-channel antenna to use for TV DXing?"

A: Forget about using an all-channel TV antenna if you are really serious about getting good TV DX performance. Otherwise, be prepared to settle for mediocre results. In the past, we've stressed the fact that any single TV antenna designated as "all-channel" has got to be a compromise, with UHF performance suffering the most. With an all-channel TV antenna, the best you can do on the UHF channels is less than 11 dB average gain. That's according to an FCC-sponsored survey of commercially available all-channel TV antennas, sometimes referred to as "combos" for UHF-VHF combination designation. Of many types of combos tested, the FCC study found the Jerrold VU-933S and VU-937S to be two of the hottest models on UHF, due to a well-designed corner reflector. It seems that as price increases on a combo antenna, UHF performance does not, with some of the most expensive combos offering fairly good VHF performance, but only good-to-fair UHF. A large (7') UHF dish, on the other hand, averages about 17-18 dB gain, and will give the best all-around results for DXing. For TV DXing, we can recommend that you use separate UHF and VHF TV antennas, with their own lead-ins. Even a 4-bay bowtie UHF antenna can offer higher gain than most combos on UHF. However, on the higher channels, such as above ch 50, nothing will come close to at least a 5' dish.

Q: "I know that antenna height is important. How high do I have to go with a VHF TV antenna to get into good tropo ducting? How high for UHF?"

A You've probably heard the old tropo DXers' adage: "The higher, the better." Height is something that you really need for good long-haul tropo DX results, the one part of your system that really can't be made up for with a higher gain amplifier or lower-loss lead in. For the average DX location, try not to have the TV or FM antenna any lower than 30 feet above ground. For UHF TV, which becomes much more critical due to the effect that vegetation and terrain has, a minimum of 40 to 50 feet should be observed. We realize how difficult (and expensive) it can be to go much higher than that, but the results really start to pay off as you approach 70 feet and higher. You can see daily troposcatter out to 300 miles and beyond with a good UHF TV DX set up (large dish + low-noise amp + low loss lead-in) with ease when you get up to that kind of height in most any part of the North American continent. It may also be true that in many urban and suburban locations, that's the kind of height you'll need if you seriously ever want to have a chance of getting in on those 900-mile ducts that do happen, as elusive as they may seem to be. If your antennas can "see" the horizon--in other words, have a clear shot above trees and neighborhood buildings--consider yourself in good shape. You'll find that height will pay off more as you go higher in frequency, as far as tropo DX results go. For those who only DX the FM band, don't neglect antenna height. You may be satisfied with what you can get on E-skip with your antenna at 40' or so, but you'll be amazed at what you've been missing on tropo if you can get your antenna up to 60 to 70' above ground, especially on the class A channels, as well as many of the educationals.

Q: "What is the rule-of-thumb for increasing height?"

A: One antenna manufacturer uses this simple formula: doubling antenna height for VHF increases antenna signal output 6 dB; for UHF, 12 dB. That's quite an interesting idea, but DXers know better. Much will depend on your local terrain. We can tell you this; increasing antenna height will almost always produce better results, especially at UHF, and especially in built-up urban or suburban areas. The increase will be least in flat rural areas, and may be insignificant at lowband VHF (TV chs 2-6) unless it is a 20-foot (or more) increase. In some rare cases, small increases may produce a signal loss on certain semilocal UHFs.

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