

AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

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AIPA BULLETIN... Published first week of each month. 12 issues a year.  
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EDITORIAL:..

Recently newspapers across the country have again revived the sour old issue of "Pay\*TV". This time the journalistic "opinion moulders" focused their attention on a allegedly successful pay\*TV experiment in a tank-town suburb of Toronto, Ont. Canada. One Sunday supplement which carried the story even suggested it was a "thrill", for Mom, Dad, and the kids to plop coins into the meter box atop their set!! This was followed by "typical viewer quotes such as: "I like Pay-TV because it don't have them annoying commercials". "Commercials should only be in newspapers". All this makes it rather clear, that those who favor Pay-TV, from tin-horn cable operators, to greedy movie producers, have nothing but a selfish motive at heart ! (I exclude of course those boob's fallen victim to pro Pay-TV propaganda.)

Although Pay-TV fed into homes via wire is bad enough, the idea of "over the air" Pay-TV is simply outrageous ! The public (God bless em) I understand, is suggested to be the great white father of the airways ? Or have contemporary moral values shifted this authority to Wall St. or such? In any event this is an issue which in the long run can effect every TV set owner in the nation, from a TV-DXer's standpoint a nationwide over the air Pay-TV system, would most certainly have adverse effects on our hobby. Identification of scrambled video signals during code telecasting periods, would be next to impossible. If this monster is allowed to grow, (It feeds on dollars) soon even the Networks would be on the Pay-TV kick. And what would this famous programming consist of ??...I reckon the same thing we're viewing now for free (or worse) plus commercials of course !! Yes, how ironic it would be, the public going broke on Pay-TV, and upon arriving at the poor-house finding a 1927 radio as their only companion...

The Communists are reported to have a saying "Vote early and often", we on the other hand say just "Vote period," for the selection of your 1961 AIPA convention site. As we mentioned in August there are two generous offers on the locale of this affair: First from AIPA'er Dick Miller of Royal Oak, Michigan (Detroit) to be assisted by Walter Spaulding, and second from AIPA'er Bob Seybold Dunkirk, New York. Please consider your selection carefully, then put your choice on a post-card and mail it to Art. Results will be published as soon as all the cards are in. We indeed hope many of you as possible will make a firm effort to attend Convention 1961.

That's about it for November. Just one last thought-- Be extra carefull Winter driving, -The life you save may be a television repairman's !

Best DX & 73's

King Schafer

TELEVISION DX RECORDS CHANNEL 4

STANDINGS OF ACTIVE MEMBERS

CALL	LOCATION	DATE	DIST.			
KVOA	Tucson, Ariz.	8-6-55	1325 BH	1.	B. Brown	Ark. 348
KARK	Little Rock, Ark		1700 RC	2.	F. Hill	Ohio 291
KRCA	Los Ang., Cal.	8-14-54	2117 FW	3.	D. Bourgeois	La. 276
*KRON	San Fran., "	9-6-59	1850 EP	4.	D. Janowiak	Wisc. 262
KOA	Denver, Colo.		KS 1370 NE	5.	R. Nieman	N.Y. 262
WRG	Washington, D.C.		2400 RC	6.	B. Draeb	Wisc. 260
WJXT	Jacksonville, Fla.	6-56	1400 GG	7.	J. Bingham	Mo. 256
*WTVJ	Miami, Fla.		1400 JPi	8.	B. Eckberg	Ill. 215
WRBL	Columbus, Ga.		55 1882 MF	9.	B. Meers	Ky. 212
*WHBF	Rock Island, Ill.		1350 RB	10.	E. Rugal	Kans. 210
WTTV	Indianapolis, I.	6-11-57	1305 J.Di	11.	N. Erint	N.Y. 209
*KTIV	Sioux City, Iowa		1360 DS	12.	K. Neal	Tex. 206
WWL	New Orleans, La.		1050 BD	13.	R. Nieman	N.Y. 204
WBZ	Boston, Mass.		2600 RC	14.	F. Dombrowski	Wisc. 203
WWJ	Detroit, Mich.	8-55	1305 JDi	15.	G. Olson	Ill. 177
WCCO	Minneapolis, Minn.		1700 RC	16.	D. Ruland	Fla. 172
WCBI	Columbus, Miss.	6-29-56	1125 BR	17.	J. Parillo	Ohio 170
WDAF	Kansas City, Mo.	7-10-57	1500 DJ	18.	D. Johnson	Wash. 146
KMOX	St. Louis, Mo.	5-31-56	1400 MF	19.	T. Hidley	Ill. 140
KXLF	Butte, Mont.		1360 CB	20.	F. Wheeler	Pa. 140
*Kdub	Hay Springs, Neb.	6-13-58	1300 DJ	21.	R. Hilding	Ariz. 125
*KOB	Albuquerque, N.M.		1235 WS	22.	J. Pirch	Mo. 125
WBEN	Buffalo, N. Y.	5-23-56	1500 JDi	23.	R. Walker	La. 122
WRCA	New York, N. Y.		2450 RC	24.	R. Berg	Va. 120
WUNC	Chapel Hill, N.C.	12-27-54	1040 ES	25.	W. Spaulding	Ohio 107
*KXJB	Valley City, N. D.		1400 DS	26.	R. Bergen	Ky. 102
WLWO	Columbus, Ohio	4-15-57	1900 DJ	27.	D. Kanara	N.Y. 101
WKY	Oklahoma City, Okl.	7-24-57	1400 DJ	28.	D. Smith	Cal. 98
*WIAE	Pittsburg, Pa.	3-14-59	950 ES	29.	W. Burrit	N.Y. 96
WFBC	Greenville, S. C.	6-56	1200 GG	30.	G. Pomeroy	Kans. 96
WSM	Nashville, Tenn.	5-24-56	1475 JD	31.	C. Wood	Oreg. 94
KGNC	Amarillo, Tex.		1450 GS	32.	J. Dillon	Sask. 86
*KEDY	Big Spring, Tex.		1250 ND	33.	A. Kojek	N.Y. 81
*KRLD	Dallas, Texas		1400 ND	34.	R. Foster, Jr.	La. 81
*KROD	El Paso "	7-21-57	1325 DJ	35.	D. Webb	Mass. 69
KGBT	Harlingen, Texas	6-57	1900 DJ	36.	G. Simkin	Id. 68
*KPAC	Port Arthur, Texas		1230 RN	37.	A. Preston	Cal. 44
*KEYO	? ?	8-8-58	1070 DJ	38.	J. Dyckman	Ohio 10
KFVT	Salt Lake City, Utah		1380 LV	Average Milage 156		
KOMO	Seattle, Wash.		1020 GS	Best gain B. Draeb 4 Stations.		
*KXLY	Spokane, Wash.		1450 BD	CHANNEL RECORD HOLDERS CH. 4:		
WTMJ	Milwaukee, Wisc.		2100 RC	8-D. Johnson, 7-R. Cooper, 5-		
KTVH	Honolulu, Hawaii		3750 CL	J. Dillon, 4-D. Ruland, 2-G.		
WAPA	San Juan, P.R.		3500 PC	Girard, M. Foote, Dennis Smith,		
CBWT	Winnipeg, Man.		1550 RC	B. Draeb, C. Bays, E. Sparks,		
*GHSJ	St. John N.B.	6-12-59	1400 DR	G. Simkin, N. Doyle, F. Cox,		
CJOB	Sydney, N. S.		1390 GB	B.H. Rauch, 1-E. Prond, N. Erint		
*CBOT	Ottawa, Ont.		1525 JDi	J. Pirch, K. Schafer, R. Berg,		
*CKRN	Rouyn Quebec	1-10-60	1330 DR	F. Wheeler, B. Rawlings, W.		
*CMBF	Havana Cuba		1600 JE	Spaulding, R. Nieman, L. Veh-		
*CMI	Camaguay, Cuba		1500 BH	orn, C. Lupton, J. Easter, F.		
*HIT	Cuidad Trujillo, DR	8-12-55	1950 FH	Hill, and E. Rugal.		
*XELV	Mexico City, D. F.		1900 ER	These records and standings		
*XELW	MEXICO		2500 DJ	taken from past Bulletins and		
*XELV	Caracas, Venez.	8-2-57	4000 PC	letters received by me.		
*YSU	San Salvador	6-17-59	1200 DR	Send me your 5-13 records		
* New Records				and any 2-4 records you have		
New Ch. 2 and Ch. 3 Records will be listed				broken. Nov. 25 deadline.		
next month, not enough room this month.				FRANK WHEELER BOX 176, R.D.5		
				ERIE, PA.		

FCC GRANTS

Ch 13 Anchorage, Alaska 1.26Kw-  
Ch 51 Louisville, Ky. 14.4Kw-7.6Kw.

CALLS ASSIGNED

WICD(TV) Danville, Ill from WDAN-TV.  
WLPA(TV) Alpena, Mich.  
KEFS-TV Fort Smith, Ark.

APPLICATIONS

Ch 6 Casper, Wyo. 1.586Kw- 793W.  
Ch 9 San Antonio, Tex. (Ed.) 316Kw.  
Ch 10 Terre Haute, Ind. 316Kw-168Kw.  
Ch 25 Columbia, S.C. 13.4Kw- 7.3Kw/  
Ch 56 Binghamton, N.Y. 211.45Kw-105.  
Ch. 66 Erie, Pa. 196.29Kw- 96.15Kw.

MIS'L NEWS

The FCC has proposed making the Evansville, Ind. area an all UHF market, thus shifting ch 7 to Louisville, Ky. WTVW says it would not serve the public's best interest with UHF.

Japanese manufactured TV sets are hitting the American stores fast and furious. 8" sets were first to appear with good sales records. 19" sets are expected this month, to sell at a price around \$200 and less. 23" sets are expected to be coming here by early 1961.

An educational TV station on ch19 in Kansas City is slated to start sometime this fall.

KEZI-TV ch 9 Eugene, Ore. 316Kw-158Kw. air date-Nov.15th. 31.

CHAN-TV ch 8 Vancouver, B.C. Can. should be on the air now, started Oct

KFSV-TV Cape Girardeau, Mo. has completed their new 1,676½ foot tower, the tallest man made structure on Earth to date. 2½ months to build. Is a 20 minute elevator ride from top to bottom!

WBID-TV Detroit, Mich WHLS-TV Port Huron, WMCN-TV Grand Rapids are among the 23 UHF license holders given time extension to build... 20 UHF licenses have been returned to the FCC. Dick Miller sends this info

A giant ear, the 85 foot radio telescope of Project Ozma in Green Bank, W.Va. is tuned in towards the stars, listening for signs of life in the other worlds. ????

Correction is in order---The Educational television Stratovision Air borne telecasting over 13,000 schools in six states is not going on now Tests are slated for Feb.1961..

The lead article in DXing HORIZONS "an S Meter for video" is something which should find great acceptance among the TV DX sets. Now, we have a meter anyone can build, same type readings all over the country. If it is used by DXers it can standize TV DX reporting, A very helpful gadget

Welcome NEW members: Ray Szaro-224 Elm St. South Amboy, N.J.

Scott Macgregor-238 Pineacre Dr. Smithtown, Long Isl. David Combs of 909 Clayton St. Columbia, Mo. (thanks to Pirsch, B.J. Bingham & B. Draeb. for DXer Combs.) Tom Hidley is responsible for David Swanson, 6730 N. Oxford Ave. Chicago 31, Ill.

RE-NEWALS: 5th year men are Morris Foote, Bill Draeb, Milton Bay, Ray Bell and Dennis Smith. Wm. Grant has re-newed for his 4th year.

Sorry to lose our S-DX editor Don Ruland. Thanks for the job that was so well done. Don is now occupied in airline training, -Kansas City, Mo.

NOTE: A RED STAR on your envelope- Subscription UP !!

Art Collins.

"RANK COLUMN"

November 1960

by Walter W. Spaulding

The following report sent in by Art Freise White Plains N.Y. He is plagued by locals in New York City on 7 channels and can only DX after locals sign off.

WMAR	2	Baltimore, Md	175 mi.	WCBS	2	New York, N.Y.	25 mi
WGBH	2	Boston, Mass.	175	KDKA	2	Pittsburgh, Pa.	331
WRCV	3	Philadelphia, Pa.	200	KYTV	3	Springfield, Mo.	1100
WTAR	3	Norfolk, Va.	300	WCIA	3	Champaign, Ill.	760
CMQ	3	Havana, Cuba	1600	WEAR	3	Pensacola, Fla.	1045
WLBT	3	Jackson, Miss.	1140	WREC	3	Memphis, Tenn	975
KARD	3	Wichita, Kans.	1330	WTIC	3	Hartford, Conn.	95
WSYR	3	Syracuse, N.Y.	190	KYW	3	Cleveland, Ohio	426
WNDC	4	New York, N.Y.	25	WBZ	4	Boston, Mass.	175
WTMJ	4	Milwaukee, Wisc.	760	WRC	4	Washington, DC	190
WDBF	4	Buffalo, N.Y.	285	WNEW	5	New York, N.Y.	25
WTTG	5	Washington, DC	190	WAGA	5	Atlanta, Ga.	760
WMCT	5	Memphis, Tenn.	975	WPTV	5	Palm Beach, Fla.	1045
WHDH	5	Boston, Mass.	175	WEWS	5	Cleveland, Ohio	426
WRAL	5	Raleigh, N.C.	426	WNEM	5	Day City, Mich	570
WFIL	6	Philadelphia, Pa.	200	WRGB	6	Schnectady, N.Y.	141
WTVR	6	Richmond, Va.	285	WDDO	6	Orlando, Fla.	996
WOC	6	Davenport, Iowa	900	KMOS	6	Sedalia, Mo.	1090
WCSSH	6	Portland, Me.	285	CMQ	6	Havana, Cuba	1600
WBRC	6	Birmingham, Ala.	855	WJAC	6	Johnstown, Pa.	275
CBLT	6	Toronto, Canada	348	WABC	7	New York, N.Y.	25
WMAL	7	Washington, DC	190	WNAC	7	Boston, Mass.	175
WKBW	7	Buffalo, N.Y.	285	WITN	7	Washington, N.C.	400
WDBJ	7	Roanoke, Va.	426	WHIO	7	Dayton, Ohio	570
WNHC	8	New Haven, Conn.	80	WGAL	8	Lancaster, Pa.	116
WXEX	8	Petersburg, Va.	306	WHEN	8	Syracuse, N.Y.	190
WJW	8	Cleveland, Ohio	426	WOR	9	New York, N.Y.	25
WTOP	9	Washington, DC	190	WNCT	9	Greenville, N.C.	400
WSTV	9	Stubenville, Ohio	348	WCAU	10	Philadelphia, Pa.	200
WJAR	10	Providence, R.I.	115	WTEN	10	Albany, N.Y.	115
WAVY	10	Portsmouth, Va.	300	WFDG	10	Altoona, Pa.	253
WSLS	10	Roanoke, Va.	426	WPIX	11	New York, N.Y.	25
WBAL	11	Baltimore, Md.	175	WTVB	11	Raleigh, N.C.	426
WIIC	11	Pittsburgh, Pa.	331	WVUE	12	Wilmington, Del.	95
WRVA	12	Richmond, Va.	285	WPRO	12	Providence, R.I.	115
WNDF	12	Binghamton, N.Y.	140	WSJS	12	Winston Salem, N.C.	475
WNTA	13	Newark, N.J.	25	WJZ	13	Baltimore, Md.	175
WAST	13	Albany, N.Y.	115				

Average Ch. 2	178 miles best	KDKA	Average ch. 3	765 miles best	CMQ
Average Ch. 4	287 miles best	WTMJ	Average Ch. 5	510 miles best	WPTV
Average Ch. 6	634 miles best	CMQ	Average Ch. 7	296 miles best	WHIO
Average Ch. 8	223 miles best	WJW	Average Ch. 9	241 miles best	WNCT
Average Ch. 10	269 miles best	WSLS	Average Ch. 11	239 miles best	WTVB

Average Ch. 12 222 miles best WRVA Average Ch. 13 105 miles best WJZ

John C. Dyckman has the following report and station list  
 Ch. 2 KDKA 60 miles Mar. 17, 1960 Ch. 3 KYW 60 miles Oct. 19, 1959  
 Ch. 5 WEWS 60 miles Oct. 18, 1959 Ch. 6 WJAC 105 miles Sept. 10, 1959  
 Ch. 7 WXYZ 15 miles July 21, 1960 He was staying near there at the time  
 Ch. 8 WJW 60 miles June 24, 1960 Ch. 11 WIIC 60 miles June 25, 60  
 Ch. 21 WFMJ 10 miles June 20, 1960 Ch. 27 WKBN 10 miles Mar. 18, 1960  
 Ch. 33 WKST 10 miles July 31, 1960

Walter W. Spaulding  
 RT. #3 Box 168 Cardington, Ohio

"RANK COLUMN

November 1960

by Walter Spaulding

Billy Dreab up Wisconsin way has a very good report. -----

Number of states	40	Number of Provinces	7	Number of stations	266
Ch. 2	32 sta. best	KDOI	Boise, Idaho	1430 mi.	ES
Ch. 3	31	CFRN	Edmonton, Alta.	1320	ES
Ch. 4	40	KXLY	Spokane, Wash.	1450	ES
Ch. 5	21	WPTV	Palm Beach, Fla.	1285	ES
Ch. 6	25	CJON	St. John's, NFLD.	1685	ES
Ch. 7	13	WABC	KATV New York Pine Bluff	750	Tr.
Ch. 8	8		KTUL Tulsa, Okla.	720	Tr.
Ch. 9	10		KWTV Oklahoma City, Okla.	815	Tr.
Ch. 10	16	WCAU	Philadelphia, Pa.	710	Tr.
Ch. 11	12	KTHV	Little Rock, Ark.	740	Tr.
Ch. 12	12	KTVH	Wichita, Kan.	700	Tr.
Ch. 13	9	WHTN	Huntington, W. Va.	498	Tr.
UHF 8	37		WLEX-18 Lexington, Ken.	473	Tr.
Number of stations	1000 miles & over	42			
Number of Hi Band stations	500 miles & over	24			
Number of Educational stations seen	14				

Morris Foote Middleton Idaho has good report also. -----

Channel 2	CKCW	Moncton, N.B.	2551 miles seen	Jan. 1, 1957
Channel 3	WEAR	Pensacola, Fla.	1830 miles seen	Aug. 14, 1954
Channel 4	XHTV	Mexico City, Mex.	1983 miles seen	Jun. 27, 1959
Channel 5	WAGA	Atlanta, Ga.	1856 miles seen	May 24, 1960
Channel 6	KRIS	Corpus Christi, Tex	1536 miles seen	Jun. 13, 1957

High Band

Channel 11 KLIX Twin Falls, Ida. 144 miles seen daily

Stations seen daily

Channel 6 KTLK at 240 miles (not seen continuously all the time)

Channel 11 KLIX (mentioned above)

Channel 2 KDOI Boise at 24 miles Grade A signal

Channel 7 KTVB Boise at 24 miles grade AAA signal (no ant. needed)

His local channel 6 has been off the air since first of year (KCIX 6 Nampa 9 miles) but he understands they will be back on air with different call and new owners and will be Nampa-Boise with studios in Boise.

It again has been my greatest pleasure to have the Voegele Brothers for the weekend Oct 29 & 30. They brought there FM set for me to DX with and is it wonderful. In a 24 hour period I received 52 FM stations As far away as Chicago and to the east Altoona, Pa. 6 different states. Well I guess all the letters are in for this month but don't forget another month coming up.

Walter W. Spaulding  
R.D.# 3 Box 168  
Cardington, Ohio

Dave Janouiak, Sept.4, TROPS WKBW-7 WXYZ-7; Es, KTVU-2 (1900miles)  
Antenna down for repairs. His log is at 262.

Richard Nieman, Buffalo, N.Y. --- Oct.8, TROPS WWTW-13 WGN-9 WANE-15  
WKJG-33; Oct.9, WKBN-27 WFMJ-21 WKST-33 WANE-15; Ms, KOA-4 WDSM-6. His  
Log is now at 264.

Frank Wheeler, Erie, Pa. --- TROPS, Sept.26, WJPB-5 WNEM-6 WJIM-6  
Oct.3, WNEM-5 also on Oct.4; Oct.9 WJIM-6 WOOD-8; Oct.12, WJIM-6 WITI-6  
WOOD-8; Oct.25, WSYR-3. Aurora on Oct.6, WSB-2. Frank's log is now at  
140 with 129 Veries.

Clinton Day, Westerly, R.I. --- TROPS, Sept.22, WAST-13; Sept.24, WNCT-9  
WTOP-9 WITN-7; Sept.25, WJZ-13. WNBK-12 WTOP-9 WNCT-9; Sept.28, WENH-11  
WCSH-6 WGAN-13.

Thomas J. Hidley, Chicago, Ill. --- Sept.25, WKNX-57; Sept.27, WSPD-13  
Sept.29, WANE-15 WKJG-33 WMBD-31 WEEK-43 WSBT-22; Oct.1, KWVL-7 WMTV-33;  
Oct.4, WICS-20 WDAN-24 WTVP-17; Oct.10, WHO-13 WICD-24 WKNX-57 WTVH-19  
WPTA-21. His log is now at 140 with 125 pictures

B. J. Bingham, Festus, Mo. --- TROPS, Oct.6, WILL-12 WGN-9 WBKB-7  
WCPO-9 WKRC-12 WSIX-8 WDXI-7 KCMD-5 WMCT\*5 WLAC-5 WLWT-5; Oct.7,  
WHAS-11 WAVE-3 KMBC-9 WIBW-13 WREC-3; Oct.8, KFEQ-2 WBBM-2 KCMO-5  
WBKB-7 WGN-9; Oct.9, KTHV-11 KCRG-9 WSIX-8 KMOS-6 WTMJ-4 WITI-6 WISN-6  
WBAY-2 WFRV-5 WTTW-11 WBBM-2 WNBQ-5 WOC-6 KWVL-7 KRNT-8 WHO-13; Oct.10,  
KSOO-13 WOOD-8 WKRC-12 WCPO-9 KCRG-9 WFBM-6 WISH-8 KTVO-3 KTTS-10 WGN-  
9 WBKB-7 KRNT-8.

Bill Nieman

16 Wasson Street

Buffalo 10, New York

NOVEMBER, 1960

TECHNICAL DATA

This will be the first in a series of articles: on transmission lines and antenna impedance matching. To many DX'ers, this will be old stuff, but it may be of some use to others.

The theory behind trans. line matching is that a maximum transfer of energy is realized when the impedance of antenna line, and set are equal. The trans line can never amplify a signal, but steps can be taken to provide as little loss as possible between antenna and set. In this article, only 300 ohm line shall be considered; 75 ohm line will be taken up in the next article.

The first step involved is to choose a low loss line. The loss in signal in decibals increases as the length of line increases. Probably the best 300 ohm line for low line loss is the open type. This line has a loss of only .5 db per 100 ft. at 200 mc. This type of line would appear to be the best suited for good DX, but very few people use the open line. This line is hard to install and often gets tangled with rotator and guy wire. If anyone ~~has~~ has used the open wire, I would appreciate your comments on the characteristics of this kind of lead-in. It sells for \$2.17 per 100 ft. It is ideal for UHF.

Tub.  
lines

The tubular and flat lines are the most common. Examination of the loss per 100 ft. shows that the flat and tubular are essentially the same at low band, but a lower line loss at the high band. The loss in decibals will increase as the frequency increases. For this reason, flat line should never be used for UHF. Tubular line shows a loss of about .7 decibals at low band and 1.3 db loss at the high band.

In any kind of installation, it should be as short as possible due to the loss per foot relationship.

Tubular line comes either filled or unfilled. The line loss is the same for each, but the filled line will not be affected by moisture due to its insulation. Amphenol 214-271 filled 300 ohm sells for \$4 per 100 ft at warehouses. Unfilled 300 ohm ribbon sells for about \$3.40. When installing the unfilled 300 ohm line, be sure to tape or plug the end of the line that attached to the antenna terminal. About 4 years ago, I installed unfilled line without plugging the end. The result was a gasty picture every time it rained. When I disconnected the line from my TV set, a puddle of green water spilled on the parlor rug. This incident didn't strike to happy a note with my parents.

My findings with good grade tubular line and good grade flat line lead me to favor the tubular filled 300 ohm line. Many readers may disagree with me.

If flat line is preferred, the best kind would be 214-185 Amphenol. It sells for about \$5 per 100 ft. The high price is due to the thick 185 web jacket providing extra strength and the 7/26 stranded conductors. The 7/26 conductors are usually used only in heavy-duty trans. work. The 7/28 conductor wire is used for most 300 ohm line.

= I might insert at this time that no money should be spared when choosing a transmission line. Roof and mast standoffs should also be employed. Properly chosen line can make the difference between good and poor DXing. Trans line should be checked at least once a year and replaced every 2 years.

AIPA

FM DX

David Janowiak  
4312 So. 47 St.  
Milwaukee, Wis.

NOVEMBER

Well, I got a few pleasant surprises this month, altho FM-DX seems to have been on the slow side. I will try to answer all letters I received, altho, it may take some time.

The first letter doesn't concern any DX yet, but it promises some great things for the future. Mr. Harvey deCamp; 3016 Bancroft St; San Diego, California wrote seeking help in the field of TV & FM DX. Harvey would appreciate letters from all AIPA'ers. Mr. deCamp appears to have all the enthusiasm for DX that is needed for a good member. He claims one record already, that being 83 years YOUNG. Let's Show Mr. deCamp how AIPA welcomes a new member into the fold. Mr. deCamp's equipment includes a Fischer FM 100 receiver, a Fleetwood TV, 50ft mast with Finco TV Antenna, a finco 10 element FM antenna, and a Alliance rotor.

John Dycman sent a fine letter saying that he has 24 FM stations with 19 veries. John DX'es from "below sea level" as his antenna is in the basement of his home. More of John's findings and loggings next month.

Charles Wood, ashland, Oregon sends in a handsome log of 28 FM stations. On Sept. 18th, he logged 21 FM new stations. They are as follows: KGMG \* KOIN - KEX: KDFM: KPof: ~~KQF~~ KQFM: KLED DFMY: KUGM: KGPO: KMYC: KBEE: KTRB: KSFM: KXRQ: KBAY: KDFC: KEAR: KNBC: KSFR: KTNT: KMPM and KMLA at 650 miles. Over half of Charles's catches are over 250 miles. Charles dxes with an Eico HFT-90 receiver and a CL4x antenna. Congratulations on a fine report Charles. Your work should be an inspiration for all dxers.

Ferdinand Bombrowski, my old neighbor in Okauchee Wisc. sends in a fine report as well as some valuable info which will be used at a latter date. I'm going to challenge Ferdie to a dx contest one of these days as he and I have had about the same luck in FM dx so far. Our logs are quite similar. Ferdie reports the folling new stations; AUG.25, WFHR: AUG 26, WISM: AUG.29, WJEF. WLAV@ AUG.27, WMBI. WMAQ? SEPT.20, WBEZ. WLIN, WHBF? SEPT.23, WMKE. Ferdie has 50 stations logged in 5 states. Ferdie always has a lot of info in his letters, and much of his findings can be read in the IDX column.

Well, I've got the old log up to 60 stations in 5 states,. Most of my dx has been done on Saturday mornings for the past few months. My better catches are only 300 miles but if I could get a better antenna I'd be in good shape. My present antenna is a yagi (home made) which receives better from the back than from the front. Oh well, back to tje drawing board. I owe much of my successes to my Bogan SRB 20 stereo AM and FM receivers and 20 watt amplifiers combo. About 40 stations were logged on only a three foot piece of wire. With my yagi I get about 40 a night now.

I understand that TV and FM dx will be on the slow side for the next four months. I sincerely hope that all members will not give up on dx until the summer months. Here in Milwaukee the winter months provide the best times to log those hard to get stations via the m's route. My past log shows about 30 stations logged on meteor skip only. With the tropo signals way down during the winter months, I can now log some of those low banders that I hve not seen via e's.

I received quite a lot of info this month and I may have to expand to two pages next month. Nothing would please me more than to do this, so don't be afraid to send any info on TV or FM up Milwaukee way.

In closing I would like to thank Harvey De CAMP, JOHN Dycman, Charles Wood and Ferdinand Donbrowski for their fine letters.

Best of dx,

Dave Janowiak



Due to the fact that Donald Ruland is currently in Kansas City, Missouri attending Airline Training School, he found it necessary to abandon the editorship of this column. For this month I will try to follow his example in conducting this column. Because of the school schedule that I have I will not be able to conduct this column permanently so if any of the members wish to try his hand at it please get in touch with either Art Collins or King Schafer.

Now for the DX. The new stations are underlined.

Donald Ruland, Via trop: Oct 3-- WIS-10 WJBF-6 WMAZ-13; Oct. 6-- WIS-10 WMAZ-13 WJBF-6; Oct. 7-- WJBF-6; Oct. 10-- WJBF-6; Oct. 20-- WJBF-6. Via MS: Oct. 11-- WTAE-4.

Robert Berg, Via trop: Aug. 29-- WECT-6 WCSC-5 WFIL-6; Aug. 31-- WDBJ-7; Sept. 4-- WDBJ-7 WHIS-6 WCYB-5; Sept. 7-- WDBJ-7 WECT-6 W GAL-8; Sept. 23-- WFMY-2 WCYB-5 WCSC-5 WECT-6 WHIS-6 WFIL-6 WDBJ-7 WSL-10 WSJS-12 WLVA-13; Sept. 24-- WFMY-2 WOAY-4 WCYB-5 WHIS-6 WDBJ-7 WSL-10 WSJS-12 WLVA-13; Sept. 24-- WDBJ-7.

Average Mileage Contest Standings:

<u>DXer</u>	<u>Location</u>	<u>No. of Sta.</u>	<u>Avg. Mi.</u>
B. Brown	Austin, Tex.	107	1,302 Mi.
D. Johnson	Longview, Wash.	145	1,196
R. Hilding	Phoenix, Ariz.	125	1,154
J. Dillon	Regina, Sask., Can.	85	1,059
K. Neal	Hamlin, Tex.	206	1,007
D. Smith	Wasco, Calif.	98	828
D. Ruland	Holly Hill, Fla.	172	789
D. Webb	Springfield, Mass.	74	774
R. Berg	Norfolk, Va.	122	750
E. Bourgeois	Norco, Louisiana	276	710
N. Erint	Kenmore, N.Y.	204	614
J. Pirch	Richmond, Mo.	125	584
F. Wheeler	Erie, Penn.	<del>XXX</del> -140	566
J. Parillo	Girard, Ohio	171	546
B. Draeb	<del>KO</del> auance, Wisc.	<del>XXX</del> -250	477
R. Nieman	Buffalo, N.Y.	233	517
B. Nieman	<del>BO</del> ffalo, N.Y.	204	512
R. Bergen	LaGrange, Ky.	102	477
R. Foster, Jr.	Monroe, La.	81	465
J. Dyckman	Canfield, Ohio	10	45

That's all for this month. Remember that if you want the editorship of this column to get in touch with either Art Collins or King Schafer.

Best of DX and 73,

Bob Berg

AT DEAD LINE

John Cody has omitted his column this month, he is planning a article on pre-amplifier design for Dec. issue. Dick Miller of Royal Oak, Mich is soon to have a Tape Recorder ! GOOD. Want a TV Tower ? Tom Hidley is selling them !!!!! also GOOD.!!!

## " THE IMMENSITY OF SPACE "

Mysteries from out of space. Strange phenomena here on our planet. In the year 1880 and thereabout many strange things took place. For example there were revolving wheels or spokes of light seen in the ocean depths from the decks of ships at sea which experienced seamen were at a loss to explain. On several farms, stones were seen to shoot upward into the sky. Roofs of houses flew up and landed some distance away. Although there was no wind at the time. Ice fell; a green thunderbolt was seen; an unusual number of comets were discovered; bright lines were seen on the moon; disturbances were seen on the planet Jupiter; strange and startling meteoric stone was found; the sun darkened and many places experienced an abnormally cold winter. Along with the comets were seen other objects, appearing fiery or misty, but resembling these familiar members of our solar system, yet showing unusual motion.

A group of luminous bodies were seen to arise from a horizon in Germany; a substance like brown coal fell in Argentina; red, blue, and gray hailstones fell in other places; quartzite, and unheard of material in meteorites was also seen to fall in certain places; invasions of black flies stretching out in large areas appeared in many places near the Atlantic.

Some of you who live around the Gulf of Mexico, have witnessed tropical storms similar to the last one called, "Donna". Storms of this kind do freakish things that you would think impossible. A great power that comes out of space, and leaves destruction for thousands of miles. This no man can control.

There have been isolated freak storms which appear in otherwise undisturbed skies. They usually drop debris having clouds of unique shape, density, texture and color, and they are sometimes luminous or contain lights. These storms often produce extremely violent winds, and a profound darkness like night. Even the birds go to roost.

DXing gets better just before such storms, or several hours after. Your President: Art Collins can vouch for that. I feel that this is an angle worth while knowing.

In the past two or three decades, the question of whether spores and monocellular organisms come from outer space in meteorites is still unanswered, however fossils of corals, sponges, shells and crinoids, all microscopic were claimed to have been found in meteorites by a Dr. Hahn. Some trained and intelligent men did actually see them and agreed that they were contained in meteorites. Added to this, stones identified as fossil meteorites were found in an ancient bed of coal. Fossil meteorites are the type that show definite traces of monocellular organisms ( fossil too small to be seen with the naked eye). Ref. Jessup, page 99, 100-102-217. Ibid., p. 77 - 81.

I sincerely hope the subject you have read for the last twelve months was a subject of interest. The Immensity Of Space. This required a lot of digging into the unknown. I find that my time is limited to looking up articles about space. This is the final, and a new subject will appear in the near future.

Wishing all of you a HAPPY THANKSGIVING.

Thomas J. Hidley

"TV Corner" Neighbor: How do you get your son out of bed in the morning? Mother: My son sleeps with his dog. I throw the cat on the bed.

6117 N. Canfield Avenue

Chicago 31, Illinois



Since summer skip has been on the lean side in this area, I have been sitting back waiting for those usually great "tropo" openings which thus far have failed to materialize to any great extent. I guess I'll just have to wait for the winter E-skip which hits here about every year from the Caribbean area. On December 12, 1955 in the late evening hours, I logged 5 low-band channels out of Cuba during a snow storm.

It was certainly nice to see so many of our club members listed in DXing Horizon's "over 50 club". Due to pressure of other activities I failed to get my listings in to editor Cooper. Will do better next time, Bob!

An October 4th letter from Mr. Howard Carpenter of Union Carbide lists my old Eveready radio as a 1928 model. I hope our president approves the next question I am going to ask, although it does not concern TV: Does anyone have an older playing radio?

Does anyone own an ancient TV in playing shape? If so and you send me the dope on it, I shall put it in this column. Who has the oldest?

TV Facts and Figures: About NBC

1941: RCA exhibits a home TV receiver with a 13 1/2" by 18" screen.

Feb. 20, 1941: Color TV pictures in motion first put on the air by NBC.

June 16, 1941: NBC files application for licenses to operate commercial TV stations in New York City, Philadelphia, and Washington, D.C.

June 27, 1941: Advertising rates of NBC were \$60 an hour between 8 a.m. and 6 p.m., and \$120 per hour between 6 p.m. and 11 p.m., effective July 1, 1941.

July 1, 1941: NBC's station WNBC becomes first commercial licensed transmitter to go on the air.

March 1, 1944: NBC announces plans for a nationwide TV network to be completed by 1950.

Sept. 9, 1945: NBC televises films of Japanese surrender from station WNBC.

Until next month, 73's to all-

"The Old Buckeye"

Lasts month column wasn't completed in time for the bulletin. I believe that Art told everyone in the bulletin about the trip to Mt. Ashland. I won't add anything to that except that I made another trip up and logged one new station, KPFE, channel 12 in Fresno, California, a distance of about 425-50 miles. The map that I use isn't very accurate because of its projection. About 25 FM stations from Tacoma, Washington to Los Angeles, California were logged using a four element homemade yaggi cut for 98 megacycles. It intrigues me to think of the possibilities when using a Finco FM-3 or the big FM-Q job! Perhaps next year I will find out.

This afternoon, something very strange happened to me. We had an electrical storm with the usual amount of goodies provided by nature, thunder, lightning and so fourth. Ever so often after a burst of static caused by thunder or lightning, KOIN-FM and another station would suddenly become grade A as if a meteor burst had reflected the signal. However the other station is weak but only 35 miles away by air, very unlikely for meteor scatter reception. The only conclusion that I can come to is this. The lightning or electrical charges in the air ionized an area large enough for reflection. If anyone knows the answer, I would appreciate a card or a letter.

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Congratulations are in store for the Channelmaster Corporation on the development of the new Super T-W. In case you haven't heard it sells for a few dollars more than the TW-7. It consists of six dipoles instead of seven, however it has two V-shaped directors and two reflectors of the same type.

The southern Oregon area may have a new television station on the air within six months. Radio Medford, Inc., which owns and operates KMED radio in Medford has gotten coroporation from other applicants who have dropped out of the race for channel ten. Target date for operation is 120 days after the construction permit is granted. The station will carry NBC color and other network programs plus local programs.

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Things are looking better around here now, as far as this column is concerned. I've found another source of information and I've received 2 letters for my 2 columns, but that isn't a very good average. Both of them came from Dennis Smith. Where are the rest of you?

Dennis uses a Hallicrafters SX-43 but hasn't heard any European IDX as yet. The season is upon us now, Don, so look out! He has a lot of QRM from local FM stations, but I don't have it so good either. The last time I tried my converter we had 3 FM locals and only one of those came through on the converter but in many places. A 60 kilowatt at 5 miles is hard to ignore. Now we have 6 locals with 4 more due on the air very soon, so I may have a little more QRM now.

I use a "Regency FM Televerter" which is designed to tune 88-108 mc. on a TV set using channel 5 or 6 as an IF, somewhat similar to a UHF converter. The "Regency" is a one transistor outfit which sells for \$14.96. I wouldn't recommend it to anyone who can afford to convert the "Heathkit FM-3A". I wish I had, but I couldn't afford the \$26.95 at the time. My rx is OK for a beginner because it does tune 40-50 mc. when properly converted, and if London and Caen get fairly strong, this thing will pick them up. Of course, it isn't very good for DX but it's better than nothing. I got it in 1958 and sent it directly to the IDX editor, Gordon Simkin, who had offered to do the conversion to 40-50 mc since I had no technical knowledge at the time. Any FM receiver can be used, or any VHF receiver at all, which tunes the 41 to 50mc region or higher.

Most of you are probably aware of "DXing Horizons" 2 October articles on Auroral DX and the theory presented by their experiments. The suggestion that trans-polar skip is possible via the aurora can revolutionize IDX. The articles inferred that theoretically any transmitted signal from over the North Pole can be received practically anywhere in North America, as long as the signal passes through a zone being affected by aurora at the time. The aurora need not be visible (outdoors) for you to receive such IDX. My Alaskan reception of Sept. 7, 1959 was mentioned in one of the articles as a typical example of what is possible during good auroral disturbances. This was the first I'd heard that there was any aurora that day. It wasn't visible at all here. This means that every time I do see it outdoors, it has a wider range than the day I saw Alaska! If you have a great circle map, draw a circle around the magnetic pole in northern Canada for a distance of 1000 to 1500 miles from the center, the pole. From Okauchee, I can receive any station in Europe or Asia, and on big aurora nights I can even get Alaska and northern Africa, and possibly Japan and Siberia. Since aurora affects higher frequencies as we approach the pole, the farther north you are, the higher in frequency your IDX can be. I have only seen aurora on channel 7 once, but only 100 miles north of me, Billy Draeb sees it often on the high band TV in a few places begins on the high band lower than our channel 7 so no American station could interfere with them in this part of the spectrum. East Berlin has a station at 144-151mc, French channel 4 has a video carrier at 164.0mc, and of course the Japanese channels 1, 2 and 3 fall between 90 and 108mc. The Australian system has 2 channels

between 132 and 146mc but these are not being used at the present. The 40-50mc region will be the one to watch for your first sign of something big. If you don't have a converter you'll have to fight your local and semi-fringe stations but you have as good a chance to see something as the next man. No one has seen Europe yet via aurora, but who ever thought it possible? John Cody had a good article on how to watch aurora in the Oct. bulletin on the back of my IDX page 1, so look it over and get set. Who knows? You may see New Delhi, India before Bedford Brown sees it!

- I guess its about time I got around to some news so here it is.
1. The AT&T wants to launch its own TV satellite within a year for experimental purposes. They're working on ground receiving stations now
  2. A company in Tripoli, Libya is advertising for a technical mgr. for miscellaneous duties including some TV xmttr' work.
  3. West Germany was to inaugurate a UHF service in band 3 but the govt. and private interests are arguing now over who is going to build the network. It will be commercial, and consist of 29 stations.
  4. The Colonial Office in London has a branch which is helping to establish TV in all the colonies that want it. Commercial TV in Bermuda, Nigeria are on the air already. Malta should be on by now, and plans are underway in Kenya, Rhodesia, Gibraltar, Aden (Arabia), the West Indian Federation (from Jamaica to Trinidad), and the Bahamas (ch. 3, I hope). A man in Jamaica wrote to "Radio-Electronics" to ask how to construct a ch. 4 yagi, and asked if it would be good for other channels, too. He may be a DXer trying for Cuba or he may be putting up an antenna for a local station.
  5. Channel 9 in Buenos Aires, Argentina went on the air June 9th.
  6. RCA has won a contract to build 9 TV stations in the United Arab Republic, EGYPT and Syria. Cairo #1 went on the air July 23 with Arabic and European programming, and Cairo #2 was due on in Oct. with all European programming in several languages. Programming is almost all American with Nasser propoganda mixed in. 525 lines used evidently, as all TV sets imported so far are from 525 line countries. An Arab TV factory will be built as part of the contract between RCA and U.A.R. 100,000 TVs in use by Jan. 1, 1961.
  7. A Danish radio-TV manufacturer is touring the USA to study our production and TV. He says commercial TV is inevitable in Denmark. Its the latest fad and its catching on everywhere. American programs shown there are transmitted with English soundtrack, so if you here a familiar program from Europe, it may be Denmark with printed--not spoken--translation.
  8. ABC-Paramounts new "Central American TV Network" claims 55,000 sets seeing its programs on stations TGBOL-3, TITCR-7, YSEB-6, YNSA-8, and HRTG-5, which I mentioned last month, I think.
  9. The first AFRTS station in Japan will be built at Misawa AFB, 310 miles north of Tokyo. The Japanese Govt. recently granted permission for the US military TV station.
  10. A tv man in Bermuda has found extraordinary DX with a 5 element yagi. He sees Cuba every day with a picture as good as a local. WRC-4 is a common visitor, although not as good. However, WESH-2 is nearly as good as Cuba. His employer sells TV sets and finds the British-made sets outperform any American set they sell for snow-free pictures from the DX stations.
  11. THE AIRBORN TV experiments over Montpelier, Ind. are to begin in Dec. with TPs. This is to be a permanent series, with several simultaneous programs eventually. It is already financed through June, 1962. there is talk of tax support after that date. Fantastic DX records are possible when the antenna is 23,000 feet high, so Canadians beware.
  12. New Canadians I see listed are: CHBC-TV4 in Oliver, B.C. and CBW# FT-6 in St. Boniface, Man., across the river from Winnipeg, first CBC-French station in western Canada.

I'll try to have a list of European TV frequencies next month. I didn't have time this month. F2 season is here, so look out for the BBC in the AM and KENI-2 in the evening. I'd like a list of 40-50mc police and paging stations if you can tell me where to get one. 73s.

FERDINAND DOMBROWSKI JR., 1335 Road B, OKAUCHEE, WISCONSIN

NEWS & VIEWS

Well another month has rolled around and I find I have even less to report this month, than I had last month.

Charles Wood telephoned me the other evening from Portland, Ore., where he was visiting. It was very interesting to hear from him again. He informed me that there had been some Es last week in from the Los Angeles area. I had not been dxing at the times it was in..hence did not log a thing.

Dennis Smith wrote that F2 skip has been going consistantly for the past few weeks..up to about 37 or 38 mc. Hope he lets me know when it gets up a little higher..as I want to try for Europe too. Hope to hear from you via tape soon.

Art Collins tapes that he has been getting a series of 6 cold shots..to help him NOT get a cold..after last winters illness. He loves to get those little shots..don't you Art?

Morris Foote writes that this month has been the best for TV-DX in Oct., for him since 1953. He logged 1 new station KNOP-2, making his total 99. (100 here you come) Morris makes mention of the fact that at the Western convention talk was of perhaps having a emblem for our club. This emblem could be used on ties, jewelery etc., as well as on stationary. It was suggested that each club member who wanted to.. submit a design and have them published in the AIPA bullitin and have you the members vote on them. So if any of you like this idea..and have any ideas..send them on to Art or King. (Personally..I think it is a great idea) Morris also wants to know where the Western Convention can be held this coming year. He wants to know if any of you would like to come to Idaho? Morris' log reads: Oct. 2, unid ch. 10 by ms/Oct. 4 KFEQ-2 by ms/ Oct. 6, KCKT-2 by ms and ch. 4-5-6 aurora with ms trying to override the aurora. Oct. 7, KCSJ-5 by ms/Oct. 10 unid ms on ch. 13/ Oct. 13, KMID-2 by ms/Oct. 14, unid ch. 10 by short tropes/Oct. 17, unid ch. 13, by ms/ Oct. 19, KFEQ-2 and KCMO-5 by Es/ unid ch. 10 by tropes/ WKY-4/KOCO-5/KARD-3 by Es. Oct. 21, KFEQ-2 by MS KGLO-3/KNXT-2/ all by ms. Oct. 24, KNOP-2 by ms.

Long letter from D on Ruland of Florida saying he is in Kansas right now for Airline training. Best of luck Don.

No Dx reports from here..except some ms from KUTV-2/ KTWO-2/KNOP-2 CKCK-2/KCKT-2/KNXT-2/and tropes from KREM-2 almost daily.

Hope more of you write next month..as I can't do a article without info to put in it.



Co-Channel Interference Column---conducted by Bedford P. Brown

Address: 2505 Rio Grande, Austin 5, Texas

Unidentified Programs(All time is Eastern Standard Time.)

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Morris Foote, Box 153, Middleton, Idaho

- Aug.1 11:30am ch.5 test pattern, bullseye type, call letters upper left with TV under it.
- Aug.3 8:45am ch.3-mentioned Columbia, Missouri
- Aug.5 7:45am ch.2 RTMA chart test pattern, no call letters. ~~It~~ received again on Sunday, Aug. 14th at 11:50am and again on Aug. 15 at 7:32am. Audio is music. Could it be WMT-TV?
- Aug.15 8:35am ch.2 mentioned bouncing tv signals off a satellite in space, showed a tv disc, news, Arlene Francis on show
- Aug.18 12:34pm ch.5-ad for car dealer in Mitchell and grain dealer in Bend.(I can find Bend, Ore., Mitchells in S.D, Neb, Ind., and Ontario.
- Sept.1 7:45am ch.2-RTMA chart and music
- Sept.2 7:47am ch.2-RTMA chart and music
- Sept.6 7:50am ch.2-RTMA chart again
- Oct.13 8:25am ch.2-"Good Morning, the Garden City..." no video, only audio ms burst.(Garden City, Kansas?)

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Charles W. Ashcom(K8IDZ), 16564 Cherrylawn Ave., Detroit 21, Mich.

- Oct. 9 2:30am to 3:55am ch.2-west southwest direction. Program from 2:30am to approximately 3:40am was a discussion program with several men and a woman seated around in comfortable chairs in a room-like set. Program was interrupted occasionally by commercials. News, ~~and~~ weather, sports, etc, from 3:40 am to sign-off at 3:55am. I D was small CBS eye at left, large "2" in center, and small call at right.(Would Chicago-area dxers please check WBBM-TV?)
- 

Thanks a lot to Morris and Charles for the reports. I am currently swamped with school work and will answer letters just as soon as I can. Until next month, 73's and best dx to all, Bedford