

AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

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( TV-DX )

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Kenmore 17, N.Y.

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Page One.

May 6, 1961

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Membership card..Canadian membership \$3.25 a yr. Foreign-\$5.00 a year.

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EDITORIAL.

The election results are in, and both Art Collins and myself thank you all for your continued support. Our re-election is primary motivation indeed, to keep our organizational pot boiling. We welcome all you new and re-elected board members, and pledge our upmost cooperation in all matters brought to your attention. To all of you who participated by ballot in this election, we say thank-you! Our Club may be small, and even reek of corn and unsophistication, but so what? Our purpose has always been to aid in the hobby of tv-dx lore, and in this end we have never failed!

Maby its just contemporary pessinism gone on a spree, but do you notice the negative overtones almost emerything is taking on these days? And the world in general is in such a frantic state, that a nuclear war or a Communist take-over almost seem inevitable! To make matters even worse there seems to be a almost unending parade of crack-pot poet's, militant pacifist's, angry students, liberals and fascists, revenge seekers, and what have you, all contributing to the worlds agony. Indeed the past has had its black moments also, but our grim present is unorthodox in frightful emplications. Even our hobby of tv-dx doesnt escape this scene. There is talk that propagation factors will take a turn for the worse. Also its said that all tvbroadcasting will be shifted to the UHF bands. Even the prospective design of future receivers appears highly discouraging. Certainly were not suggesting this mean old world is bent on destroying all avenues of enjoyment. This would be silly to say the least. Rather as we mentioned, the negtive factor, very difficult to escape these days!

Late word from Detroit informs us that plans for our 1961 Convention are proceeding along at a rapid clip. Hours of exacting planning are being put in on this project, to assure your enjoyment come the end of July. We urge you to consider highly your attendence of this affair. Contact other A.I.P.A.ers between you and Detroit. Transporation problems can be licked easier then most believe. Keep this in mind.

From sunny Modesto Calif. comes interesting and happy news from Bob Cooper the Horizons man. The promotional mailings you all received from out there, tell the story. The revised "Dxing Horizons" will become the radio buffs bible, and the spanking new "Television Horizons", likewise the video buffs bible. The best wishes from the A.I.P.A. are extended to both publications.

So what we had to say has been said. Thanks again for your kind support.

Best of dxing to all-- King Schafer

TELEVISION DX RECORDS CH. 11

CALL LOCATION	DIST.	DXER
KTVF Fairbanks, Alaska	6200	DW
KTHV Little Rock, Ark.	740	BD
KTFV Los Angeles, Cal.	2800	DW
KNTV San Jose, Cal.	175	DSm
WLWA Atlanta, Ga.	510	BJB
KLIX Twin Falls, Idaho	144	MF
WTTW Chicago, Ill.	1000	DW
KDPS Des Moines, Iowa	371	BD
KGLD Garden City, Kans.	740	GO
WHAS Louisville, Ky.	555	ER
WBAL Baltimore, Md.	280	DK
WTOK Meridan, Miss.	670	KN
KPLR St. Louis, Mo.	440	BD
WENH Durham, N. H.	135	DW
WPIX New York, N. Y.	300	RN
WVVD Raleigh, N.C.	460	GO
WTOL Toledo, Ohio	278	BD
KOED Tulsa, Okl.	720	BD
WIIC Pittsburg, Pa.	660	BJB
KELO Sioux Falls, S. D.	660	BM
KFTZ Ft. Worth, Texas	765	BM
WJHL Johnson City, Tenn.	525	NE
CH3H Hamilton, Ont.	394	BD
CKWS Kingston, Ont.	160	RN
WTCN Minneapolis, Minn.	600	BJB
KCOF	2800	DW
KHOU	850	DR
WLUK Green Bay, Wisc.	475	NE

New Ch. 5 Records

WJPB Weston, W. Va. 220 FW

New Ch. 6 Records

WKBT La Crosse, Wisc. 230 DS  
 WCHS Charleston, W. Va. 440 GO  
 CBLT Toronto, Ont. 118 FW

Channel 11 Record Holders:

6-B. Draeb, 5-D. Webb, 3-BJ Bingham  
 2-G. Olson, R. Nieman, B. Meers  
 N. Erint, 1-M. Foote, E. Rogel  
 D. Kanaar, K. Neal, D. Ruland.

Channel 5 Record Holder

1-F. Wheeler

Channel 6 Record Holders

1-G. Olson, F. Wheeler

New Ch. 8 Records:

WKBT La Crosse, Wisc. 230 DS  
 WCHS Charleston, W. Va. 440 GO

Channel 8 Record Holders:

1-D. Swanson, G. Olson

Error last month. I credited myself with KFVR 1066 miles, but G. Simkin already had it at 1350 miles. Sorry Gordon!

Records taken from Bulletins, etc.

STANDINGS OF ACTIVE MEMBERS

1. B. Brown	Ark.	348
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42. D. Webb	Mass.	69
43. G. Simkin	Idaho	68
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45. A. Breston	Cal.	44
46. E. Norberg	Cal.	34
47. D. Combs	Mo.	31
48. J. Dyckman	Ohio	12

Best Gain D. Swanson 18 Stations  
 Average Milage 150 Miles

Next month Ch. 12 and 13 will be listed, including any new Ch. 2-11 Records if there is room.

Send me your Ch. 12,13, UHF records, and any new 2-12 records Be sure they are into me by May 26, 1961.

Frank Wheeler, Box 176, R.D. 5, Erie, Pa.

AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

FCC NEWS-  
MIS'L NEWS\*

May 6, 1961.

FCC GRANTS..

Ch 3 Alamosa, Colo. 141Kw-0.851Kw.  
Ch 6 New Bedford, Mass.  
Ch 56 Binghamton, N.Y. 214 Kw.  
Ch 66 Erie, Pa. 195 Kw.  
Hanford, Calif. 257Kw-138Kw.

APPLICATIONS..

Ch 19 Cleveland, Ohio 431Kw- 215Kw.  
Ch 29 Dallas, Tex. 8.73Kw-5.22Kw.  
Ch 32 Montgomery, Ala. 233.4Kw-116Kw.

Call Letters assigned & changes:

WAND-TV Pittsburgh, Pa from WKFJ ch 53. KYMA(TV) new in Flagstaff, Airz.  
KLMC-TV Lamar, Colo. KOXO(TV) Portland, Ore. KWBC-TV Gallup, N.Mex.  
KWHT-TV Goodland, Kan from KBLR-TV ch 10. KBLL-TV Helena, Mont. fr KXLJ  
KTAL-TV ch 6 Texarkana, Tex fr KCMC-TV. KEZE-TV San Francisco, Cal from  
KBAY-TV ch 20.

FCC NEWS BITS..

A new Ch 10 to be in Medford, Ore.

WHCT Hartford, Conn. ch 18 possibly will be the second PAT-TV station  
in the New England state area.

The Hanford, Calif grant is slated for channel 21.

KFRE-TV Fresno, Calif OKed to operate dual channels 12 and 30 until  
June first.

KLRN(TV) ch 9 Ed station, Austin, Tex. expected on the air 1962.

For the FM Fan... The FCC has OK'ed Stereo for FM radio, this new type  
of broadcast will come by multiplex system. An adapter would be  
required to tie in with your multiplex FM tuner jack-another Amp and  
speaker...Will be all FM reception.

NEWS BITS.

Art Friese -108 No. Kenisco, White Planes would like some clear negi-  
taves of test patterns or ID slides so he can continue his snaps....

Ferdie Dombrowski -1335 Road B, Okauchee, Wis would like a joint  
partner in buying a TV Factbook.

WELCOME new member-Dickey Black 4211- 15th Ave. Columbus, Ga. He  
would appreciate hearing from our members, wants some tips etc on DX.  
RE\*NEWALS are ... David Kanaar, Buffalo, N.Y. starting his 3rd yr.

Dave Webb 139 Groton St., Springfield, Mass. 2nd yr.

Allan Preston-415 Buchanan San Francisco, Cal 2nd.yr

ADDRESS CHANGES. Jim Dillon back to 1110 Elphinstone St. Regina, Sask.

Phil Jacobs 5100 Hingston Ave. Montreal 28, Que. Canada

I have received many letters, cards from all parts of the country  
and it seems as though our E's are very late, and what has been seen is  
weak. Is it true that the predictions read in a recent magazine article  
the the Sun spot activity is going to practically ruin our hobby for  
a period of years. Time will tell ! The harder the feat-the better the  
records. Hi!

A welcome letter from our member Dave Swanson of  
Chicago, Ill who joined our clan a year ago at the point of what he  
said was temporary insanity now feels that it was a really worthwhile  
investment. Good Boy Dave, we sure hope you stay in this state of mind  
as long as there is a AIPA. Dave also states that he will bump heads  
with us at the Royal Oak Convention.

Tom Hidley and other Convention minded members have a few words  
to say along this line- read their articles. Dick Miller, B.J. Bingham etc  
are going all out.

Art Collins.

AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

May 6, 1961

Why not arrange for your vacation the last of July, pack your bags, and come to the Royal Oak, Michigan Convention.

Dick Miller has planned a very nice time for the members who will be there. A tour of WWJ-TV is confirmed for a Sat. Dick would like to know the planned attendance if possible (Please drop him a card and let him know if you going to be there) WLDM-FM tour assured. other arrangements are for WXYZ-TV the ABC-TV station there, a wrestling match to view there. A possible visit to CKLW-TV ch 9 station in Windsor. The Evening at Dick's home will be rounded out with some entertainment and movies, lunch. Your Saturday will be full so please arrive at Dick's home as early Sat AM as possible. (Late comers will be directed to the spots mentioned.) Sunday will be more or less set aside for a plain good old "Get-together". some photos, and tape gab. (A dinner planned for Sunday)

Woodward Ave in Detroit seems to be a MAIN DRAG street... Go north on Woodward Ave to 10 mile Dear then turn right about two blocks to Wyandotte and your at the Convention.

There are several Motels near Dick's home- rates are around \$6.00 for double, \$7.00 air conditioned (TV and Radio included)

Oh Yes, If you have room in your car-- please throw in a folding chair or two if you have one.. (It's a job getting a mess of chairs to-gether says Dick..Your right!)

Remember now !!! please drop Dick a card and let him know if you intend to be at the affair.

B.J.Bingham will be on hand Sunday to try get every one on tape with a few aords. Name, Address, Is this your first convention, How and when you got started in TV-DX, Your VHF and Uhf Log, amount verified, best E, Best tropo, letter or photo verified, and if you care to say if married, occupation etc. Such taping started at Gallipolis, Ohio convention at which time the town's Radio station interviewed us-I purchased this tape (Our first)..I loaned this tapw out to a member in Augusta, Georgia. never got it back--can't get it back-HURRAH FOR ME !

The Boys in the far west are trying to hold another "Western Convention" this year if at all possible. The distance between members is much greater, therefore to get a good showing is rather hard. Dennis Smith tells me he will hold one at his place in Wasco, Calif if the members can get there (See Dennis's column) Morris Foote in Middleton, Idaho will consent to one at his place too. I was lucky enough to be able to attend the west coast convention last year at Charles Wood's home in Ashland, Ore. It was the first, rather small but a GOOD one.

To answer Dick Miller's last letter--- Things are OK for the Sat. Just so you take it easy on us old timers, We can't keep up with you young Guys from station to station. HI!

Hope to see MANY ther.

Art Collins.

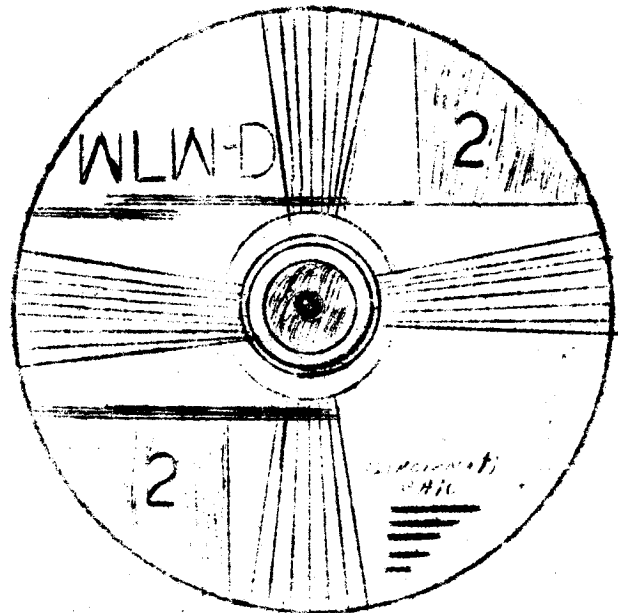
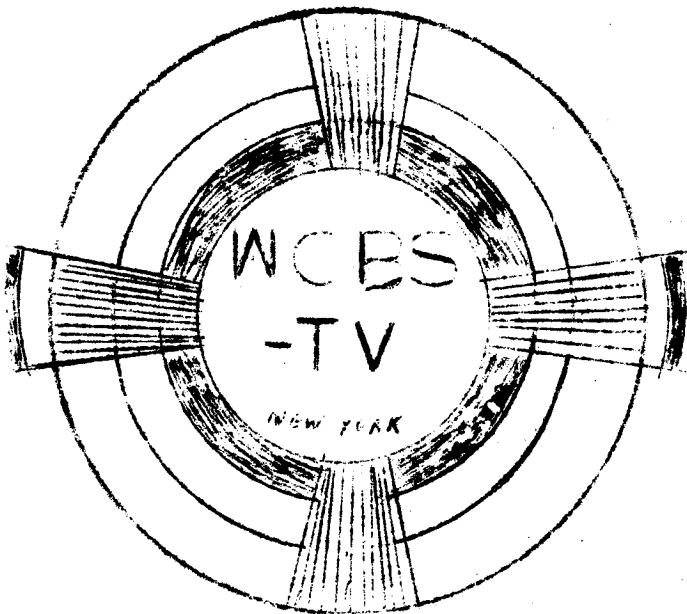
EASTERN DX COLUMN

A.I.P.A.  
 Volumn 8 Number 5

May, 6, 1961  
 Compiled By; Dick Nieman

- \* Clinton Day, Westerly, R.I. \*\*\*\*Ms. Mar. 21 WDSM-6 for about 15 seconds
- \* Dave Nieman, Buffalo, N.Y. ----Apr. 6 Ms. WCBS-2, Apr. 7 trop. CKNX-8, Apr. 10 WSEE-35, CKLW-9, CFPL-10, WEWS-5, CKCO-13, Apr. 11 WKST-33, WSEE-35, Apr. 14 WWJ-4, WTOL-11, Apr. 15 CFPL-10, WEKB-7 (453 mi.) Dave's log is at 228.
- \* Frank Wheeler, Erie, Pa. ----trop. Mar. 25 WJIM-6 also on the 31 th. Northern lights on Apr. 1-10-14-15 no ids. Apr. 23 un-identified Es. ch. 2.
- \* Thomas J. Hidley, Chicago, Ill. ----Mar. 26 trop. WCPO-9, NEW Ed. Stations Apr. 12 KS2XGA-72, KS2XGD-76 (160 mi.). Tom now has 144 stations with 34 of them UHF.
- \* Dickey Black, Columbus, Ga. ----trop. Mar. 27 WRDW-12, Mar. 29 WTOK-11, WMAZ-13, Apr. 5 WJHG-7, Apr. 7 Es. or Ms. KMID-2, Apr. 13 trop. WCKT-7, WFSU-11, WFGA-12, Apr. 19, WGTW-8, Apr. 21 WALA-10, KLFY-10, Apr. 22 WTVC-9, KHOU-11 (635 mi.) Apr. 23 WFAA-8 (750 mi.). WAPI-13, Apr. 24 WBTW-8, WSPA-7, Apr. 25 WLOS-13. His log stands at 30.
- \* Dick Nieman, Buffalo, N.Y. ----Apr. 9 trop. WFIL-6, WCAU-10, WIIC-11, WTOL-11, Apr. 15 WEKB-7, Apr. 18 WRC-4, Apr. 22 WTOL-11, Apr. 24 CJOH-13, CKWS-11, CHEX-12, CKNX-8, Apr. 27 WBNF-12, WSYE-18. Log is at 268.

WCBS-tv channel # 2 New York City      WLW-D channel # 2 Dayton, Ohio



AIPA

MAY, 1961

FM DX

DAVID JANOWIAK

4312 SO. 47 ST.  
MILWAUKEE, WIS.

There is a lot of FM news and reports this month, so I might as well jump right into the picture.

#### REPORTS

Albert Kopec of Hinrod N.Y. proves that he is one of the most successful FM dxers by virtue of his fine report.

Dec. 25; WBRE 98.5, Dec 28, WBBF 101.3 NEW, WFIL 102.1; JAN, 13 WNEW 102.7, FEB. 1 WBFM 101.9 NEW. WEST 107.9, MAR. 17, WNEW, SNJ 107.9, WQAL 106.1, Mar. 26, WTTC 92.9, WFI 92.5, WKOK 94.1, WHLM 106.5, WKAR 100.3, WBRE. MAR. 27, WJBR 99.5, WKOK 94.1, WPPA 101.9, WEST, WPCB 95.9, MAR. 29, WRFL 92.5, WREO 98.1 MAR. 31, WBRE. AL now boasts a fine log of 96 stations. He also adds that he uses a home made yagi antenna for his FM DXing. I hope that you hit 100 on your next listening venture Al.

Dennis Smith continues to have a lot of luck on the FM dials. His report follows. MAR. 21, KPMB 100.7 NEW 220 miles, KFMX 96.5 NEW 220 miles, KEAR 97.3, KCRA 96.1 (240 miles) KPEN 225, KNBC 99.7, MAR 23 KGLA LOS ANGELES NEW 115 miles, APRIL 17, KFBM AND KFMX, San Diego, KMUZ 103.3 NEW Santa Barbara, 80 miles. Dennis now has 48 FM stations on his list. Keep up the good work Dennis.

Dave Pomeroy sent in some station info and added that he has 13 FM stations to his credit, but he has not heard any FM DX the last year. Thanks for the letter, Dave.

Ferdinand Dambrowski upped his log to 57 by snagging WICA Hammond Ind. on FEB 15, and WJJD on the 16th. WBON a new one in Milw. was the 57th for Ferdie.

Jim Hughes got a veri from WJML in Rice Lake Wis., Jim logged this station on his car radio when he was in Moorhead Minn. Jim also sent in some station info that will appear below.

My DXing effort have been confined to logging WBON new, a local. Trops should boom in here shortly. My log rests at 66.

#### FM IN THE NEWS

WSWM 99.9 MICH. is working on new building and an up in ERP to 116 from the present 30 KW. This same station is building a new FM, WQDC 99.7 Midland Mich. ERP 42 KW. This latter station will be a satellite of the former.

WMRTAM and FM plans to be on the air in May. ERP will be 92KW at 100.7 for the FMer. Hope I will see you at the Convention this year Jim.

KMUZ 50 KW at 100.3 Santa Barbara is now on the air. Dennis Smith wasted no time in logging this one.

WDRN 95.9 in Darien Conn. operated on 740 watts ERP. from 5am to midnight. Art Friesesays that this station will also have the format "fine music". Art says that this station had a five year battle with WQXR 96.3 New York due to the close freq. of the two stations. WDRN has an AM license but lack of funds prevents operation of both AM and FM at this time. Thanks for the info Art.

Frank Wheeler sent in a clipping about the fall of WREO FM tower in ASHTABULA. T-13 was the most powerful station in Ohio at 200 KW. No one was injured. Thanks Frank.

Al Preston out Frisco way says that residents of Tahoe and Tahoe Keys will have TV and FM by June 1. The FCC has granted a Microwave link realy to the coast and from Reno. Thanks Al, and I hope you get some DX out your way.

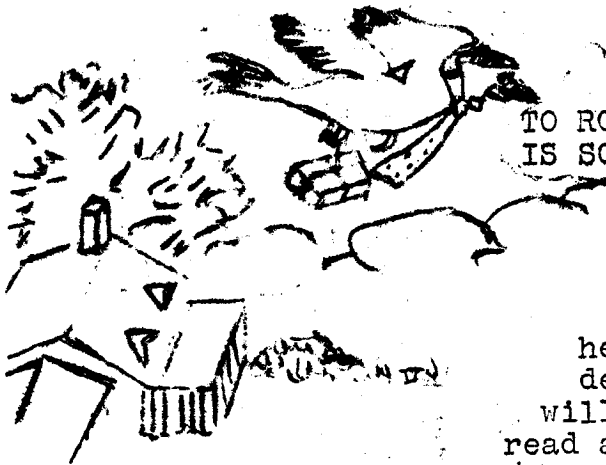
Dave Pomeroy says that the following stations are going full steam in the Kansas City area. KCUR 89.3, KTSR 90.1, KCMK 93.3, KCMO 94.9, KXTR 96.5, KCJC 98.1, WDAF and KBey 104.2 Thanks Dave.

CONVENTION NEWS FLASH

THE NATIONAL AMERICAN ATMOSPHERIC PROPAGATION ASSOCIATION  
TV DXERS CONVENTION WILL BE HELD IN ROYAL OAKS, MICH.  
JULY 29, & 30, 1961

The time for the 1961 AIPA Convention has been set. The smell of good food is in the air. Chicken on the wing, plus drum sticks with a handle on it. A menu that is way on out, and will tickle your appetite. This is all offered by your good Host Richard Miller. Miller has lined up a program for entertainment, also a tour through several TV Stations in Detroit, and Canada. If you miss out on the good time at this convention, you will miss what the others who attended enjoyed.

Come early so you won't loose out on all the fun, and entertainment. A full schedual is in the making, so be ready for this great event. Success of any convention is good attendance. You can help this 1961 Convention at Royal Oaks, Michigan. We can all thank Richard Miller for his kindness and his hospitality, offering a place for the 1961 AIPA Convention.



US CROWS ARE FLYING  
TO ROYAL OAKS. THIS CONVENTION  
IS SOMTHING TO CROW ABOUT.

Detroit, Michigan is noted for havin  
ng the largest automobile manufact-  
urers, besides many other industri-  
es that manufacture parts which all  
helps to make a complete car of modern  
design. Just driving through Detroit you  
will see many palces of interest. You may  
read about places in books, but traveling to  
to these places is an education within itself,  
of which will stay steadfast in your mind for many years to come.

I was asked to do this column by  
Art Collins your President, and  
hope that I will be able to attend.

With warmest regards to all.

Thomas J. Hidley  
6117 N. Ca nfield Avenue  
Chicago 31, Illinois



THIS WAY TO THE  
AIPA CONVENTION AT  
RICHARD MILLER'S  
ROYAL OAKS,  
MICHIGAN

6-----

Dennis Smith has been my only regular correspondent since I began this column last October. He has kept rather regular watch on the MUF this past winter. F2 skip has been pretty bad as expected, but Dennis has heard paging stations often so the winter wasn't a complete loss.

The F2-MUF was very sporadic in Sept. sometimes failing to reach 30 mc., sometimes succeeding, and still other times going up to 35mc. In late September the MUF was up to 36mc daily with paging stations from the eastern USA. In October the MUF continued as in late Sept. with intermittent periods of sudden drop-offs in frequency when the MUF didn't even reach 10 meters, but it always built up stronger than before in a couple days. In early November, the MUF hit 38mc until it suddenly dropped to 30mc on Nov. 10th probably due to a new storm on the sun. During the peak days, paging stations from the eastern USA and Canada were received in the morning and early afternoon, and Alaska, Hawaii, and the eastern USA in the late afternoon. In early December the MUF was pretty steady at 37mc. On the 17th Dennis took his SX-43 home for the Christmas vacation from San Francisco State College and left it there. In early February he went home again to find the MUF was down again. It reached 36mc one day and brought in Florida, New York and Mississippi paging stations. The next day the MUF was down to 30mc and on Feb. 13th it only reached 25mc. In mid-March he reported that since the last report F2 had been very spotty, reaching 30mc most days. But occasionally it still reached 35mc to bring in Gulf Coast Paging stations. On March 12th another sun-storm occurred and the maximum useable frequency (MUF) dropped to 24mc. At last report, in a letter dated 4 April, Dennis says the MUF hovers around 35mc and unusually often it still reaches 35mc, bringing in paging stations from Florida, and some times New York, Texas and Mississippi.

As I understand it, January is the peak month for F2 skip so during that one month that Dennis missed entirely, the MUF very likely reached 40mc for the last time in 7 or 8 winters. Too bad you missed it, but thanks a lot anyhow for your observations. My own one transistor converter has a minimum frequency of 38-40mc as near as I can determine, so nothing showed up here. My TV set was out of commission for a while, and the bedroom was too cold for comfort when it reached 30\* so there were many occasions that I missed. Then too, I leave home each day Wed. thru Sat. at 8:45, 7:45 on Mon. and no time at all on Sun. & Mon. so my time is limited. On those when days in 1958-9 when I saw European DX, London usually came in at 0820, local time, and other stations later in the morning; (Tues. is my day off so on that day I can watch indefinitely from the time I get home from Milwaukee).

Dennis uses rabbit ears with his Hallcrafters SX-43, and adds that with a conventional DX antenna his MUF would probably be higher and his reception would be stronger. I use my CLX which probably has sufficient gain at 45mc so as not to attenuate BBC signals too much. However, at 35mc the attenuation should be high enough so that DX would not be very good. Some DXers build special antennas for 45mc and good signals have been received in California on a simple folded dipole.

I expect that we've seen the end of F2 reception for at least 7 years, but don't forget auroral reception from Europe and other countries. Those of you who have seen both aurora and F2 or photos of them, have noticed that F2 is very ghostly and often unidentifiable and weak. But aurora is almost always unidentifiable, but on the 3 or 4 occasions when it has broken through it was of excellent quality comparable to Es and much better than average F2. Photos of F2 are rare indeed but photos of Es are very common. I heartily recommend converting to the other standards, or at least 405 and 625 lines. Europe and several



continued:

New Zealand, Nigeria, Rhodesia, Kenya, Malaya, Thailand, Eire, etc. These countries are expanding their TV networks at present and are using systems with channels below 54mc where there is very little QRM from American stations.

The paging stations mentioned earlier fall on 4 frequencies. Dennis had asked me exactly what they are, so I looked them up in an old letter from former IDX editor Gordon Simkin. They are: 35.22 and 35.58, 43.22 and 43.58 mc. Some stations he listed and their paging channels Miami-1, KLF651 (Fla.)-2, a Pa. sta. on 3, Los Angeles-4, Sacramento-4, Boston-4, Seattle-4. Gordon also said the USA is the only country with paging stations, but Dennis has heard Spanish and Canada, and I've heard an unfamiliar language and definitely IDed Tokyo. I haven't been able to find a list of paging stations, domestic or foreign so I can't list more of them, or even estimate how many of them there are in the world. If any of you have a list, let me know. We should hear them via aurora fairly often, I imagine, and this is aurora season.

Auroral skip, reflection or whatever you want to call it is caused by Northern Lights, (Aurora Borealis), as you all know. As a mode of TV propagation it isn't very well known or explored so we can all get in the front line in exploring the IDX potential of this propagation mode. "DXing Horizons" magazine had some articles on this last fall. Spring and Fall are the aurora seasons, and April has been my best month. Aurora has an MUF just like Ms, Es and other forms of skip. At my location I've only seen it once on the high band, very weakly on ch. 7. Last summer on the way home from the convention I went to see our Ms editor 100 miles north of here. We were to get up early the next morning and watch some of that Ms he sees so much of, and I see so little of. Of all days, in the middle of July, he had aurora up to ch. 11, blocking out all Ms and tropo. At that latitude

Billy says it's quite common to see aurora affecting such a high frequency. Some people tell you to aim the antenna north but don't believe it. Our FM editor got KTVU-2 by aiming directly at the station and I didn't aim directly north either, for my receptions of Canadian prairie stations or KENI-2.

Another point I found out is that seeing aurora affecting tv is a sign to look for DX, but this sign isn't always present as in my Alaskan reception. THE general rule also says the reception comes at 11 PM or later but Alaska came in at 7 PM. The new theory presented by "DXing Horizons" states that the signal must pass through an auroral zone but the transmitter and receiver need not be in this zone. Since this was the case when KENI-2 popped in here for 15 minutes, there was no auroral hash to block reception as there usually is. The signal therefore looked just like Es in quality and strength, but it was 2200 miles away. It wasn't until a year later that I found out it was aurora. This sort of DX beats F2 or regular aurora by a mile for distance and quality. It's harder to find, but worth it if you succeed so try it regularly these late spring nights, and mid-mornings. European stations don't come on the air as early as ours, and there is a time difference of 6-9 hours so that they go off the air at 4-6 PM, CST and come back on the air at roughly 5-11 AM.

I understand a new TV Factbook was due in March and I've decided to get one. They cost \$5 each, or \$3.50 each in lots of 5 or more. If you, any of you, are planning to get one, drop me a check for \$4 and if I get 4 requests I'll send in the order. Make them payable to TV Digest, Triangle Publications, Inc. I'll refund all unused money left from the postage; all 5 copies will probably be sent here so I'll have to pay postage from here; I don't know exact amount. 73s.

"Your AIPA Monthly Meteor Scatter Column"

Conducted by: Billy Draeb Ellis Street Kewaunee, Wisconsin

Here we are again, another Ms column and more reports. Let me not gab any further and get on with the reports---here they are-----

Richard Nieman, Buffalo, N.Y.---Feb. 20th WJBF-6(2pts); WLWD-2 on Mar. 3<sup>rd</sup>---also KMOX-4, on the 3<sup>rd</sup>; Mar. 5 WPSD-6(2pts); Mar. 19th WCTV-6(2pts); April 1<sup>st</sup> WSM-4; April 6th WJXT-4; April 14th WSM-4; April 15th WJBF-6 (2pts), WSM-4; April 16th KMOX-4; April 18th WBZ-4, WLWZ-2, WFBC-4, WUNC-4; April 19th WLWD-2, WCBS-2, WFBC-4; April 20th WBEM-2, WLWD-2, WFBC-4 April 21<sup>st</sup> WBEM-2, WJXT-4, WDSM-6(2pts), WSM-4; April 22<sup>nd</sup> WSM-4. Also on the 22<sup>nd</sup> Rich saw hi-band bursts on chs. 9-10-11 some lasting up to 10 seconds but no ID's. Tough luck Rich. Hi!

Ed Prond, Dolton, Ill.---April 16th WRC-4, April 17th WWL-4, April 18th WKY-4, April 23 WCBS-2. Thanks alot Ed.

Bill Draeb, Kewaunee, Wisc.---Mar. 30th KDKA-2, WKY-4, WBRZ-2(2pts); April 22 WCBS-2. Also unided burst on channel 10 on the 21<sup>st</sup> of April.

The standings in my Ms contest are as follows-----

Richard Nieman-----105	Well, there is now less than a month until my Ms
Dave Swanson-----41	Contest ends. As it looks now Richard Nieman
John Cody-----33	will be the winner unless someone sees quite a
Peter Gaddy Jr.-----22	bit Ms before May 15th folls around. I started
Jim Grover-----7	this contest nearly 7 months ago and the months
Tom Hidley-----6	have really slipped by fast when I think of it.
Ed Prond-----4	
Ferdie Dombrowski Jr. 4	I have some more info here on another meteor
<del>XXXXXXXXXXXXXXXXXXXX</del>	shower that should take place about the time you
Billy Draeb-----58	get your bulletin. The Almanac says "May 11-14.

The waning moon will interfere only slightly with the far from spectacular Zeta Herculids meteor shower." As the Almanac says, the shower will be far from spectacular so don't expect much in the way of bursts on TV but by all means watch anyway since there could be a couple of doozers that might be seen.

I also got some info# on a meteor shower coming up the beginning of June. The Almanac says: "June 2-17. During these nights an above average number of meteors may be seen, seeming to radiate from a point near Antares, the brightest star in Scorpius. There will be little of no moonlight on these nights to interfere with their observation."

I must be getting lazy. I haven't gotten up early often like I used to do to look for Ms. I still haven't seen quite a few stations that are in range, especially on chs. 5&6. I guess I'll just have to get on the stick and get up early more often so Richard Nieman doesn't catch me on station# totals seeing that he's only 6 behind me 268 - 274. Hi! Last October when I started my Ms contest and offered \$5.00 for the winner I didn't have a cent. I figured by this time I would have at least that much and I just barely do.

I also have some other good news, I will be able to make it to the AIPA Convention in Royal Oak, Mich. this summer. I am sure llooking forward to meeting all my fellow Dxers so I hope all the rest of you can make it.

Es struck last night at 2200 Cst but was very weak and no IDS. I guess that's it for this month then. 73's Bill

" YOUR AUNT TENNA "

To carry on wave propagation, TV or Radio Communication, It is necessary to supply the receiver with energy from the transmitter. We find that this is accomplished by connecting the tank circuit of the final power amplifier of the transmitter to a radiating device called an antenna. This antenna is located some distance from the transmitter. The distance usually is several hundred feet or more away from the transmitter, then the radiation is more effective, and will eliminate disturbances that may occur.

These electromagnetic waves are radiated out into space by the transmitting antenna. Voltage is induced into the receiving antenna of electromagnetic waves, then amplified, and detected. We know that a current flowing in a conductor sets up a magnetic field around the conductor. If the current is alternating, the magnetic field will also be alternating. If another conductor is placed close by, the first conductor. Alternating current and voltage will be induced in the second conductor, which is proportional to the rate of change of the magnetic flux. In this case it is unnecessary to use the second wire. The alternating magnetic field set up by the alternating current in the first wire will induce the same voltage in the surrounding space, all though the second wire is not present. Voltage induced in the space surrounding the conductor sets up an alternating electrostatic field. We have found that an alternating magnetic field establishes an alternating electric field. The two fields are associated with each other and always exist together. The real fact is that an alternating magnetic or electric field can not exist without the other.

When the electromagnetic wave leaves the transmitter antenna, it travels out ward along several paths. Some of the energy travels upward from the surface of the earth, and is called the Sky Wave. Other energy travels along the surface of the earth, and is called a ground wave. A space wave can also reach the receiving antenna by hitting the surface of the earth and then be reflected. A wave following this path is called a Reflected Space Wave.

All wave motion, whether it is electromagnetic or sound waves, has associated with it the characteristics of frequency, wavelength and velocity. Wavelength is the distance between corresponding points on two consecutive cycles. The wavelength is determined by the frequency and the velocity of propagation or speed of the wave.

Your antenna plays a very important part in the reception you receive. Many times the receiver is blamed for poor reception. This can be traced to a poor installed antenna, or an old antenna that has been up for five or six years. Sometimes the twin line becomes cracked which will cause a loss of signal strength. These small cracks will hold moisture. Therefore it is wise to check all the conditions that may be giving you the trouble. Most people install their antenna on a chimney mount. This seems to be the handiest, but due to soot and and chemical --s often deteriorates the antenna which will age it fast.

In some of the forth coming issues of the AIPA Bulletin, we will try and bring more subjects of interest that goes along with this hobby.

With warmest regards to all.

Thomas J. Hidley

"TV CORNER"

\*\*\*\*\* As we pay others, we are paid. Life gives us back just what we give; And so we do not live to trade, But trade that we may truly live.

6117 N. Canfield Avenue

Chicago 31, Illinois

AIPA

WESTERN DX

by Dennis Smith  
450 Poplar Ave.  
Wasco, California

May 1961

TV-DX has been at a low ebb during the past month--no sporadic-E was reported, and very small amounts of other long-distance television filled the screens in the West.

Elwood R. Walter of Seattle, Washington saw KREM-2 Spokane by tropes on March 28. Elwood has been DXing since last July, when last summer's rather anemic Es season was just about finished, so he hopes to get many new ones this summer. His total is now 14.

Allan Preston of San Francisco, California, reports that while in Turlock on vacation, he saw a new local, in the form of KPFE-30, his 45th station. Several years ago when he first started DXing in Turlock, he used a 1951 Sylvania 21" UHF-VHF console and an inline yagi on a CDR Model TR-2 rotor, but this has been replaced by a 1960 RCA 24" V-U console with a 2-bay conical on the same rotor. His own TV in San Francisco is a 1960 21" Motorola UHF-VHF set.

Eric G. Norberg of Carmel, California (currently at Pomona College, Claremont) writes that his DXing total of 34 includes all VHF TV stations in San Francisco, Sacramento, Fresno, and his two locals, KNTV-11 and KSBW-8, which are all regularly received. His one tropes was gotten on Nov. 21, 1950--KHSL-12 Chico, and 21 skippers have been seen in Carmel from B.C. around to Texas. His TV gear includes a 21" Olympic set, with a Blonder-Tongue B-24 Booster, and a rotatable Winegard CL-4X up 46 feet. He noted no DX other than unIDed bursts while home Easter.

B.J. Bingham hasn't seen any DX recently in Festus, Missouri. Well, B.J., I hope you'll be seeing some DX on your Zenith and CL-4X's before very long.

Jim Dillon hasn't seen any DX recently on his 1955 17" Admiral with 8-element VHF Winegard antenna in Vancouver, B.C. to add to his total of 10 there, but after April 26, school exams will be finished, and he will be at a beach cottage until June 1, when his address will again be 1110 Elphinstone St., Regina, Sask. His Regina set-up is a 1948 12" Zenith and 1950 17" Phillips, with a new antenna pending. His station total in Regina is 87.

From Visalia, Calif., Percy Cox hasn't seen any DX for many weeks either, on his UHF-VHF Zenith and CL-4X's--but he reports that Fresno's ch. 12 goes to Santa Maria on June 1, which is evidently why KPFE-TV 12/30 is still on dual telecast.

Dave Combs in Columbia, Missouri, DXes with a 1952 RCA 21" console and his antenna is a JFD ANS-400 all-channel yagi 30 feet up.

Up in Longview, Wash., Dee Johnson does her DXing on a 1954 Philco 21" VHF-UHF set. Hope she can get some DXing in before ch.2 sets in...

There has been absolutely no DX here lately--but I guess I can hope to see some in the next few weeks on our 1954 Zenith 21" 10L28 and the old Ward Trombones and Walsco UHF-VHF Stacked V's. Log stays at 99

I asked for comments on this summer's Western Convention--but haven't heard many. A couple of California DXers have said they would like to see it locally, of course, but, other than this small response, there haven't been any replies. Does anyone want a Western Convention this summer? As for the possibility of a DXing trip to Mt. Whitney, Dave Crockett wrote to the National Park Service, and the reply stated they must deny permission for such an experiment... I don't know.. guess we would have to settle for some other mountain, or something....

Best of DX to all

Dennis

CO-CHANNEL INTERFERENCE COLUMN...CONDUCTED BY BEDFORD P. BROWN, JR.

ADDRESS: 2505 RIO GRANDE STREET, AUSTIN 5, TEXAS, U.S.A.

A.I.P.A. ELECTION RETURNS, 1961

PRESIDENT: ART COLLINS

VICE-PRESIDENT: KINGDON P. SCHAFER

BOARD MEMBERS: B.J. BINGHAM  
 (alphabetical) BEDFORD BROWN  
 FERDINAND DOMBROWSKY  
 BILLY DRAEB  
 TOM HIDLEY  
 DORIS JOHNSON  
 RICHARD D. NIEMAN  
 DENNIS SMITH  
 WALTER SPAULDING

Congratulations to Art and King and to the other board members, and thanks to all of you who voted for me. The usual fifty percent of the eligible voters gave almost unanimous and well-deserved support to Art and King, who together have so faithfully and repeatedly given our club the boost when needed and the incentive to push on to greater heights. Special congratulations to Doris Johnson who for the second year in a row lead the pack of the very-close board member race.

OBJECTIONS?

One objection was received here to the fact that a list of A.I.P.A.'ers eligible for the election was not published in last month's bulletin. Any further serious objections to the election should be sent to me immediately. If enough objections are received, the old board may be forced to vote on the validity of the election.

SPECIAL JUNE DEADLINE

Please try to get all reports to this column for the June bulletin into the mail by May 23rd. It is very possible that I may leave Austin on May 26th. Thanks very much, and again my sincere thanks to all who voted for me and my most hearty congratulations to the others who were lucky enough to be elected. Until June, best dx and 73's for all from Bedford Brown, Jr., 2505 Rio Grande Street, Austin 5, Texas

ESPERMUSSEN  
 RÖST VIEA!

