

" AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION "

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Page One

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EDITORIAL...

Another year has rolled by, and with the new year, 1960 just around the corner, it starts the seventh for the AIPA. Long live the AIPA ! At this time, We wish to extend our Season's Greetings to all. It is our belief that our members has enjoyed their one, two, and some up to 5 years of membership and hope for their enjoying many more.....

There are bound to be minor flare-ups and trivials from time to time which can't be helped, especially when you have a group of 150 or so. We all know it's a problem to satisfy each and every one at the same time ! Some-how, things always seem to turn out OK and the AIPA LIVES ON. No matter how it may seem to you, the officers of this Club has always strived for the best solution for the good of the AIPA.

This is the time of year when DX is at it's low ebb and many of us turn to other interests and hobbies, yet we should hear from you if possible. There is always MS to report and if not that, let us know of what else may be going on. well, such as, Dee Johnson has her Husband making HI-FI Cabinets for player and speakers etc.. Hi! Many of us are handy like Don in Wood work. others are taping music & messages to members around the country. It's great past time and I wish more had recorders to do the same. Others are busy in photography interests and hobby. I want to thank Ed Hopp (Ch.Eng.) KWIK in Pocatello for the very interesting tapes of Station music and the recorded TV Calls he got during E-Skip and Double Hop. Thanks to all for the fine tapes. Of course when DX picks up we shall again turn our attention to that interest. So, please write your DX Editor and tell us whats going on.

The Fall-Winter(1959) TELEVISION FACTBOOK regular \$5.00 per copy can be purchased for \$3.50 per copy if ordered in lots of 5 or more. This can be done by anyone. If you have a group of five friends who wish to get together and order five or more, write Box 700, Radnor, Pa.

Jim Pirsch of Richmond, Mo. writes a interesting letter and copy of his school's newspaper which relates a story on TV lessons to be beamed from an airplane next fall. Educational programs will be transmitted from a station at Purdue University to a circling plane that will relay the program back down to six states. The plane will fly at 22,000 feet, they figure the signal will go out 200 miles in all directions. some 13,000 schools in the states of Ky. Ohio, Ind. Mich. Ill, and Wis. will be the recipients. (4 txms, 12,000 watts, DC7 Plane, etc)
(Ch E 72, 78.)

WELCOME to a new member- Mr. James Stacey of Jefferson, Wis.
" " renewals - Percy Cox (Percy's going into his fifth Yr.)
" " " - Ed Fournier, Jr. (also five coming up)
" " " - Dennis Smith who is starting his 6th year.

A closing note... Morris Foote, Middleton, Idaho. writes me that the BEST time to go fishing is just after E-Skip has been in. (There is one fellows, Did you ever try it ?) Morris has a single track, 2 speed Pentron recorder. Send him a word...

MERRY CHRISTMAS AND HAPPY NEW YEAR.

(Art.)

Last month when you got your bulletin, you probably wondered just what was wrong. No, I wasn't drunk, I just found it hard to type with about 50 other people around. This month I'm going to give a few ideas for the AIPA to become more well known. I also want to know whether anyone is getting anything out of this column. If anyone enjoys it, I would like to know. If I don't get a response, I'm going to discontinue the column. I would like to clear up one thing. Some of you are probably thinking that I was bribed by the Winegard Co., Hi!, not quite. When they called I told them that I would clear up everything, a few weeks later to my surprise, I received my CL4X. It is an excellent antenna in all respects.

One of my suggestions is as follows, why don't we take a poll of the club members and try to find out just what kind of equipment is used. Such as receivers, antennas, boosters, ect., If we contact some of the manufacturers and let them know about the club, what we do and that their equipment is used extensively. Quite possibly we could endorse some of their equipment. If we could do this we might gain some income and publicity. This idea I believe, was introduced last month. What comes of it, I don't know. Perhaps Art and some of the other members might not like the idea of endorsing a particular brand. However I thought it might be worth mentioning. Another deal possibly could be to get on local television. I was on my local, KBES TV, just before school started in early September and received several letters. I was invited to be on again next summer and this gave me an idea for a fantastic but spectacular stunt. If we could pull this stunt off, I'm sure the club would have more publicity than we know what to do with. Here goes: If I could be on my local next summer during a skip opening and if someone else could be on their local about a 1000 miles away or closer and if we could establish direct contact between the two stations without the aid of cable or microwave think of the publicity when the wire services got it. Here is away it could work. If someone in Phoenix or someother place where my local channel two comes in fairly often could make an arrangement with their local to be on the air when skip hits. I could make an arrangement to be on my local channel five which is rebroadcast by my semi-local channel two. When my channel two was being received in Phoenix for instance a member could let me know and I could go to my station and appear, if Phoenix was being recieved here and DX sets could be set up in the studio and actually show the person appearing on Phoenix television over my local without the use of relays and vice-versa. Complicated yes, but it would make the newspapers.

Here at Ashland, at the school I go to, we have a Printing shop. I could run off special pages to be sent to all members for instance at the end of the summer I skip, pictures of record catches could be sent to me and I could have them photo-engraved and send an edition to every member. There would be only one catch, the cost of photo-engraving. Perhaps though, we could do what we wanted to do last Christmas this year and I could do the printing and save money for the club. If anyone likes the idea they might let me know. I think I'll quite early this time. By time you get this Thanksgiving will be over, I hope all of you had a happy one.

Best of DX and 73's.....Charles Wood.....

Well, I guess that everyone had a happy thanksgiving. Yesterday my stomach was ready to call it quits. Around this part of the country DX has been miserable lately, however my rotor has been on the blink so that might have something to do with it.

I would like to know just who if anyone gets anything out of this column. If you like it, have ideas for making it better or criticisms I would appreciate it if you would let me know. If I don't get a response, I'll discontinue it after the December bulletin. I have had a few brainstormers over the past month and I'm going to let you in on them. One of them may seem fantastic but here goes.

Last September, I appeared on my local KBES channel five in Medford, Oregon on behalf of the AIPA. I got very few responses from anyone interested in TV-DX. My friends thought that the program was interesting but they didn't particularly care about DX. My idea if it worked might spark quite a bit of interest in TV-DX and get the club famous. Here is what I wanted to do. KBES invited me to appear again next summer and when I do if someone else in the club could appear at a known DX station at the same time the idea might work. If I took an antenna and DX set to KBES and the other person likewise, we might establish contact between the two stations with the ionosphere as the only relay. Get the IDEA!!! These contacts would have to be made when conditions were at their best. We would have to have the programs arranged so that we could appear at almost anytime conditions were right and the stations weren't carrying network programs. As for stations we could use for this experiment, well that is another problem. Does anyone live within about a thousand miles of me who has a closeby station on channel three or four and don't have a station they can receive very strong on channels two or five? Any way that was one of my ideas. Think about it and let me know your opinions of it. It does sound ridiculous but if it did work it would probably make the news services and establish a world record for this type of DX.

As you may or may not know, I take a class here at my local high school, Printing, which could be of benefits to the club. If you remember last year we wanted to get a special bulletin printed with photographs and everything. I could do something like that this year if anyone wanted to. The only cost would be the photo-engravings and there would be no charge for the printing. Let me know about that idea too.

In tonight's paper, I read that the FCC had approved a translator to operate on channel 79 in Milton-Freewater, Oregon. It is to operate on or rather it is to re-broadcast KREM, channel two in Spokane.

I have something now to pass on to you, it may not interest the East Coast DXers, but I'm sure that the ones on the West Coast will understand. One reason is that on the West Coast any kind of reception beyond 200 miles is much more uncommon than in the East. Anyway I took my Winegard to a friend's house in Medford, Oregon, 12 miles away. With the antenna only five feet above the roof, these stations were received. KOTI 2, unid channel 3, KRCB 4, KBES 5, KOIN 6, KVIP 7, KGW 8, KPTV 12 and KVAL 13. The odd part is that these stations are always received here although they are very weak sometimes. You don't see too much of that on the West Coast. Perhaps some of you that don't read Radio-Electronics will find this interesting. In the December issue in the TV, FM-DX Column, it was told where an engineer at some channel two in the East received KOOK 2 in Billings, Montana on the studio monitor after they signed off. Well, I'm going to quit now and go do something else, mainly watch TV.
Goodbye all, 73's, and I could say 99's but I won't. Anyway best of DX. Charles Wood

" AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION "

(By Art Collins.)

FCC NEWS ETC.

Dec 6, 1959

GRANTS.

Ch 5 Weston, W.Va. (old WJPB-TV on ch 35) on ch 5 next Spring.
 Ch 8 Iron Mountain, Mich. 120Kw.
 Ch 8 Carbondale, Ill. 136Kw-158Kw.
 Ch 12 Beaumont, Tex. to now darkened ch 31 KBMT(TV).
 Ch 12 Farmington, N.M. 31Kw.-15.5Kw.

APPLICATIONS.

Ch 3 San Angelo, Tex. 11.14Kw 5.6Kw
 Ch 12 Wilmington, Del. 316Kw. 158Kw.
 Ch 18 (Ed.) Ogden, Utah. .460-.230K
 Ch 62(Ed.) Tacoma, Wash. 21.28-Kw.
 Call Changes etc.
 WFSU-TV (Ed.) ch 11 Tallahassee, Fla
 KCTS-TV (Ed.) Seattle, Wash.
 KCBY-TV ch 11 Coos Bay, Ore.

Mis'l News etc.

A fire Nov. 10th. at KXLF-TV ch 4 in Butte, Mont (Transmitter) caused a estimated loss of \$150,000.. They hope to be back on the year by Jan 1st Plans are under way to link the Continental U.S. with Alaska, thus bringing TV networks to our 49th State.

A new Canadian TV station soon to be at Grand Falls, New Foundland, will reach about 147,000 New Foundlanders now unable to receive TV.

WVEC ch 13 at present time, (was the ch 15 at Hampton, Va. for 6yrs.) ABC WAVY-TV Portsmouth, Va. ch 10 became total NBC-TV at 5 PM on 11/13/59.

Thanks to Bob Berg of Norfolk, Va. for the detail report... (low KLYD-TV ch 17 Bakersfield, Calif. went on 11/8/59 (ABC-TV) temp power,)

WKBK-TV ch 7 here in Buffalo, N.Y. went to 100,000 watts 11/6/59 they are putting out a powerful signal from their 2811 foot above sea level tower.

KFVS-TV ch 12 Cape Girardeau, Mo. building a new 1,676 foot tower, Txmr, CJSS-TV ch 8 Cornwall, Ont. Canada. now on. Has Indian Head patter with call letters at top. (That's the way they all should be. Hi!) Hours are 4PM start daily. ex-Sat at 5PM and Sun at 1 PM. (260 KW. This station is also a French speaking.... Thanks Bryan for info

Dennis Smith would like to obtain old AIPA Bulletins from OCT 1955 back Anyone that can be of help, write Dennis 2600 Ridge Rd. Berkeley, Cal

KOMC-TV ch 8 Mc Cook, Neb. on and picks up ch 2 KCKT NBC-TV programs-

KXGO-TV ch 11 at Fargo, N.D. on.....

WMUB-TV ch 14 at Oxford, Ohio on.....

WFAM-TV ch 18 now reported in operation (Ch 18 not 59) in Lafayette, Ind

Gary Olson send a very interesting tape. He is at the University of Illinois (probationer announcer etc. studies in Radio -closed circuit WPGU.) mail to 313 E. Amory. Champaign, Ill.

Other tapes from Tom Hidley, Bryan Rawlings with more on E, Double Hop, and Layers, etc.... Bryan states that a very good magazine on all types of reception is available in QST Magazine.. very good issue. Morris Foote sends and tapes a nice message. Also Dennis Smith always a good one and a new comer in tapes, Walter Spaulding. Doc Johnson puts out a professional tape, I have to keep after her and really hound her for tapes Hi!

Boys in the RADIO DX field- look for Ed Hepp on his own DX program on Sunday Dec 13th. 4-5 AM EST. from 4-4:15 will be 1000 cy tone. I.D. every 15 minutes on the minute. from 4:15-5:00 XMas Carols, Ed will announce I.D. between selections. DXers please try and list selections heard, time and artist if possible. Ed will the Verification signer. Radio KWIK 1240 Kq. Pocatello, Idaho.

--- Well this is the final month of the year and this is the best time to wish one and all a very merry Christmas and all a Happy New Year. The kids can't seem to wait till its over with (neither can I)

Have a few letters this month from Dennis Smith, Bill Dreab, Jim Perch Frank Wheeler and of course Art Collins by tape twice. If you don't get any answer right away I am very glad to hear from all of you but I been working quite steadily lately and don't seem to have much time to answer. Dennis Smith has to say that he has been so busy at school that he hasn't a minutes time to spare to even watch television let alone DX too bad Dennis. He has a little information on local FM stations in his vicinity if anyone wants them let me know and I can type them up for you.

--- Bill Dreab has the following report ---

Sign on and off hours for stations in Green Bay, Wisconsin.
 WBAY-TV 2 CBS Sat. 0700 0030 Sun. 0830 0050 W.D. 0700 0030 CST
 WFRV 5 NBC 0900 0200 0900 0030 0630 0030
 Fri. 0630 0200
 WLUK 11 ABC 1130 0100 1300 2400 0930 2400
 Test Pattern schudle
 WBAY 2 Sat. 0645 0700 Sun. 0815 0830 W.D. 0645 0700
 WFRV 5 0845 0900 0845 0900 0830 0630
 WLUK 11 1030 1130 1200 1300 0830 0930

All stations have call letters on there test patterns.

--- Jim Perch report is ---

KFEQ 2 C-A Sat. 0800 0100 Sun. 1130 2400 W.D. 0800 2400 St. Joe, Mo.
 WDAF 4 NBC 0830 0100 0930 2400 0600 2400 K.C. Mo.
 KCMO 5 CBS 0800 0230 0830 0030 0655 0130 K.C. Mo.
 KMOS 6 ABC 1500 2300 1150 2200 1150 2230 Sedalia
 KMBC 9 ABC 0930 0100 0900 2400 0830 0005 K.C. Mo.
 WIBW 13 All 3 0800 0130 0800 2400 0600 2400 Topeka, K.

My good friend up there in Erie has a very good report sent in this month.

| | | | | | |
|-----|----|---------|---------------------|---------------------|----|
| Ch. | 2 | CHCT TV | Calgary, Albt. Can. | 1722 miles no. rec. | 25 |
| | 3 | KBTX TV | Bryan, Texas | 1199 | 22 |
| | 4 | KRGA TV | Los Angeles, Cal. | 2117 | 16 |
| | 5 | KENS TV | San Antonio, Texas | 1363 | 11 |
| | 6 | CMQ TV | Havanna, Cuba | 1322 | 11 |
| | 7 | WBKB TV | Chicago, Ill. | 405 | 7 |
| | 8 | WISH TV | Indianapolis, Ind. | 359 | 6 |
| | 9 | WGN TV | Chicago, Ill. | 405 | 3 |
| | 10 | WCAU TV | Philadelphia, Pa. | 297 | 8 |
| | 11 | WTOL TV | Toledo, Ohio | 185 | 3 |
| | 12 | WISM TV | Milwaukee, Wisc. | 405 | 6 |
| | 13 | WWTV | Cadillac, Mich. | 313 | 4 |
| | 15 | WANE TV | Ft. Wayne, Ind. | 261 | 2 |
| | 17 | WNED TV | Buffalo, N.Y. | 82 | 1 |
| | 20 | WPAG TV | Ann Arbor, Mich. | 190 | 1 |
| | 21 | WFMJ TV | Youngstown, Ohio | 82 | 1 |
| | 27 | WKBN TV | Youngstown, Ohio | 82 | 1 |
| | 33 | WKJG TV | Ft. Wayne, Ind. | 261 | 1 |
| | 35 | WSEE TV | Erie, Pa. | 3 | 1 |
| | 53 | WTVS TV | Detriot, Mich. | 153 | 1 |

Total VHF 122 Total UHF 10 132 rec. 122 verified.

Frank WPTA 21 in Ft. Wayne puts out a good signal I receive them quite often try for them oboy.

Well thats it for this month don't forget you with tape recorders Would like to get the convention tape as soon as possible please.

May every one have a very merry xmas and a happy new year.

Walter W. Spaulding Rt. 3 Box 168 Cardington, Ohio

Southern DX
December, 1959

---Compiled by: Donald Ruland,
834 8th Street, Holly Hill, Fla

November produced better tropo in the extreme South than in any month since May (but not much to "write home about"). Also, some Es were seen late in the month, probably inaugural Winter Es. Here are details

Allen King, Augusta, Georgia---Via tropo: Nov4--WTTQ-7 (new), WFLA-8 (new), WLOS-13; Nov11--WMAZ-13 (new), tent. WTVT-13 or WAPA-13. Log at 76 with 3 new. WFLA-8 nice catch, Allen.

Richard Bergen III, LaGrange, Kentucky---Via tropo: Oct11--KYW-3; Oct25--WSIX-8; Oct30--WXYZ-7; Oct31--WSIX-8; Nov5--WSIX-8; Nov7--WSAZ-3; Nov8--WSAZ-3; Nov21--WSAZ-3. Richard's tent. CMAB-2 Es logging of Aug15 was verified, so log now at 79.

John Owen Broomall, Augusta, Georgia---Via tropo: Oct13--WRAL-5, WCTV-6, WECT-6, WMAZ-13, WTOG-11, WLVA-11; Nov8--WSAV-3. Via MS: Oct16--KFEEQ-2; Nov8--WBEM-2, tent. KVOO-2; Nov21--KFEEQ-2. Via Es: Nov20--KCKT-2 and CBFT-2.

Henry Holmes, Augusta, Georgia---this new member has received 44 TV stations: Ch.2--KCKT KFEEQ WCBS KVOO WBAY WSB WPMY WOSN; ch.3--KGLO KDAE KMTV KFDX WCAX WSAV WBTW; ch.4--KTIV WEZ WCCO WDAF KXJB WTVJ WKY KENC KRLD KGBT WOAI WJXT WFBC; ch.5--KOCO WAGA WCSC; ch.6--WJBF WCTV WECT WTVR; ch.7--WITN; ch.8--WBTW; ch.9--WSOC WNET; ch.10--WIS; ch.11--WTOG; ch.12--WRDW; ch.13--WMAZ. Hope to hear a lot from you in SDX, Henry!!

Donald Ruland, Holly Hill, Fla.---Via tropo: Nov2--WJBF-6; Nov3--WMAZ-13 (new); Nov5--WSOC-9, WIS-10; Nov8, WSPA-7; Nov9--WIS-10. MS: Nov5--WAVE-3; Nov15--WRC-4 (new) WMAR-2. Es: Nov28--KGLO-3 and KMTV3.

The SDX Salute for December goes to our Erie, Penn. member Frank Wheeler. Frank, 46 years YOUNG, is married and has a 14 year-old daughter. He works as Stock Clerk and Police gas clerk of Water Dept and Police Dept of Erie, and has been employed by Water Dept for 28 years. Frank began TV DXing in May of 1954 using a conical antenna. His present equipment consists of a Winegard CL4X and a 1956 Philco 21" TV. 122 VHF and 10 UHF stations have been received, and 122 have been verified. His best low-band catch is a dandy: KRCA-4 at 2117 miles, best high-band is WKBK-7 at 405 miles, and best UHF is WANE-15 at 261 miles. Stations from 30 states & D.C., 6 Canadian Provinces, and Cuba have been seen. Besides TV DX, Frank is also a top-notch ECE DXer, with 2132 AM Radio stations received from 16 countries, with best DX being 1YA in New Zealand, heard 18 times!! He has also heard over 1000 SW stations, as far away as Tokyo. Hobbies other than DX include: gardening, stamp collecting, sports, and traveling. The old hat is off again to another very fine DXer!

Westerner Ed Hepp of radio station KWIK-1240 (Quick Radio) is going to run a special DX test of his 250 watt Pocatello, Idaho station on December 13, from 0400-0500 EST. This is for the benefit of the NRC (Nat'l Radio Club) and anyone else who can grab this 250 watt out of the 1240 graveyard-hi! If you get it, make a tape-recording and send it to Ed who will air it (??) on his show.

Speaking of AM Radio DXing, if there are any AIPAers who enjoy DXing ECE Style, drop a line to the National Radio Club at Box 63, Kensington Station, Buffalo 15, N.Y., and ask for a sample bulletin. Their bulletins are similar to the AIPA, so I'm sure you will enjoy membership.

About all for now. Let's flood the editors with reports next month with all the Winter ES!!

73's, Donald Ruland-SDX

Thirty years of T V - D X

1930 Jul First video from W3XK Washington, D C
48 lines - 2.9 mc
1931 Dec Video from W2XAB New York 60 lines - 2.8 mc
1932 May Video and audio from W3XK
1934 Jan W9XG Purdue University - good video 2.8 mc
- - End of disc scanning - -

In the 1930s all TV stations were DX. Stations were logged from D C, N Y, N J, Mass, Ill, Ind, Cal, Kans, Mo, Ia. The old 60-line scanning disc was not very satisfactory.

The first electronic TV viewed was in London 1938 BBC; followed by NBC New York 1939.

1947 Dec Troposphere - good audio WEWS-5 Cleveland
1948 Oct Excellent troposphere - Cleveland, Detroit
1949 Jul First E layer reception - Texas
Sep Excellent troposphere reception
1950 Oct " " "
1951 May E layer - Texas, Okla, La, Cuba
1952 Sep Troposphere good
1953 Nov E layer - Texas
1954, 1955, 1956 May - June - July
Many days of fine E layer reception in all directions
1957 Jan 3 Best day in history for E layer
Texas all day, incl FM
Jun Some E layer reception
Nov First F2 - London & Caen audio excellent
Dec 25 Queen on BBC - audio & video
1958 Nov London good again
Dec 25 Queen on BBC - audio
1959 Jun 26 E layer skip at noon
Oct London audio weak

Although many good DX days have been missed, a summary shows:
Troposphere Sep and Oct best - some years are better
E-layer Best years 1954-55-56 (than others)
F2 skip London best 1957-58

Stations in 24 states, 2 provinces and Cuba have been received in North America. The increase of local stations cuts down DX, although Texas sometimes takes out KDKA-2 25 miles away.

DXing is an interesting hobby.
Medium wave reception began in 1922
California 1923, Madrid 1924, Sydney and London 1927
Short wave reception began in 1927:
5SW Chelmsford, 2FC Sydney, PCJ Eindhoven, ANH Bandoeng
Amateur call W3FUU 1935

Radio propagation is always an interesting study. The AIPA is an interesting and worthwhile club.

Raymond M. Bell
Washington & Jefferson College
Washington, Penna

Dec. 6, 1959

" THE IMMENSITY OF SPACE. "

Amazing but true, the immensity of space is far beyond the comprehension of man. You can look around on either side, and see the wonders of invention that has taken place in the last fifty years. This is a true revelation unraveling the mysteries of yesterday.

To-day we have many unsolved mysteries, yet the future will unscramble the unusual. Have you ever give it a thought regarding every cubic square foot of air space that contains many frequencies, Radio, Radar, FM, Television, Etc. ? Perhaps this square cubic foot of space may contain signal waves from other worlds, Who knows ?

The space consumers of the 19th Century are called TV DXers. Some have reached out to the "F Region", this is above the ionosphere. TV DXers are constantly investigating the outer space, and bringing long distance TV Stations directly into their living rooms. The best TV receivers, and the proper gear makes it a living reality.

The AIPA Bulletin keeps us up with the times. The knowledge we gain from our fellow members experiences, help us all in this worth while hobby of ours. We are banded together in good fellowship, for the good of all concerned, good of the club.
"NOT FOR ONE, BUT ALL FOR ALL"

Warmest regards, and Season's Greetings.

Thomas J. Hidley.

The question has come up from several members. What is DOUBLE-HOP ? What is it in comparison with E skip, F2 etc.? Is there such a thing as Double-Hop? where does it begin in miles from ones TV receiver.? Does it (signals) really go up to the E layer, come down to earth at a distant place, bounce back up to another layer and come down again at another place much further away, thus called Double-Hop ? How do you know when you have Double-Hop ?

Does any one have a true proven fact on this ? Lets hear from you

A very interesting and thorough discription of this double-hop is on tape to Art by Byron Rawlings. It is well discribed and relates the true possibilities of this type reception. We are going to get Byron to write this up for the bulletin. Now, If we can piece more facts along with this I'm sure we will have the true answer.

Some time ago the word BURST (MS) was brought up, and to my knowledge was never cleared up.. The word burst means SUDDEN, BREIF etc. Now, Some will say I had a MS burst that lasted two to three minutes???

AIPA Hdqts.

INTERNATIONAL TV-DX COLUMN

Bryan Rawlings VE2AME

4376 Wilson Avenue, Montreal

Well, here we are into the month of December and the start of what is generally conceded to be the poorer part of the DX season, except of course for the F2 enthusiasts. Last month's column was written well before the October 9th meteor shower so this will be the first chance that I have had to report on it as seen here in Montreal. I began monitoring channel 2 about 1 a.m. on the morning of the 10th, and the only DX noted was on that channel. At 0044 EST an IHTP was received and at 0110 and 0112 the AIPA slide was noted probably from WFMY-TV which is a regular ms station here. The bursts were by no means strong, frequent, or of long duration; in fact shortly after I logged the second burst from WFMY-TV I gave up watching deciding that the opening (?) wasn't worth staying with. My appreciation goes out, none-the-less to the stations that gave up their time and facilities to help us on this night.

Thanks to the following who sent in material this month and those of you who asked for a personal reply or a tape please bear with me and I will get to it:

Ferdinand Dombrowski of Okauchee, Wisc. who has received the "call letters WPE9TV from Popular Electronics sends me quite a bit of info. On Sept. 7 he reports receiving KPAR(2) for 15 minutes by what he thinks was F2. Following that he logged numerous stations in Canada and the Pacific Northwest. Billy Draeb, about 100 miles from him noted the opening as well but noted entirely different programs. The French are working on a second TV network. The following new stations are scheduled to open there: Limoges ch. F2 (20 kw.), Auxerre-Chaumont ch. 2 (20 kw) in 1960-1. The WRH states that Russia no longer has any TV below 48 mc. Thanks, Ferdinand.

Ron Boyd of Truro, N.S. reports CMAB-TV, Havana on Aug. 1 and France (41.25 mc.) and BBC (41.5 mc.) audio on Oct. 17, 18, 19, 20, 24 and 25 with audio from 0642 to 1400 EST on the 21st. Great going, Ron and thanks for the report.

B.J. Bingham of Festus, Mo. has sent me several clippings, etc. about publicity he and the AIPA have received in his area. Very nice B.J. and I'll be looking for a report from you.

Dee Johnson on Longview, Wash. reports BBC there on Oct. 8, and 9th with traces of video on the 9th. Very good, Dee, and keep me informed.

Stan Penc of Utica, NY reports BBC, and France Audio on Nov. 1, and write him if you are interested in a modified and converted BC-603 receiver that will tune 35 to 45 mc. Thanks, Stan.

John O. Broomall has sent me an excellent photo of YSU-TV, Ch. 4 San Salvador taken by Don Ruland and also a verie of his own on HIT-TV in Ciudad Trujillo, D.R. Thanks, John and will return. Between May 17 and Aug. 17 he logged CMQ(2) (20 times), CMQ(3), CMBF4, HIT2, CFCM4, CFCL2, CJIC2, CKRN4, CJBR3, a French station on ch. 5 (probably CHNC-TV, New Carlisle, Quebec.) CMBF3, CMQ5, CKMI5 (this one is in English, John), CBFT2, CHSJ4, CKVR3, CBHT3, CKSO5, XEZ3, CHSJ2(????),.

Many of these stations were also received by Allen King.

DOUBLE HOP? A lot of comment has come up lately about the oft-used expression "double hop" and what it really means. The conventional line of thinking seems to be to group anything beyond 2000 miles as "double hop". When we talk of ionospheric propagation, we have to think of the signal leaving the station's transmitting antenna. Now we know that the effective range of a television station under

INTERNATIONAL TV-DX cont....

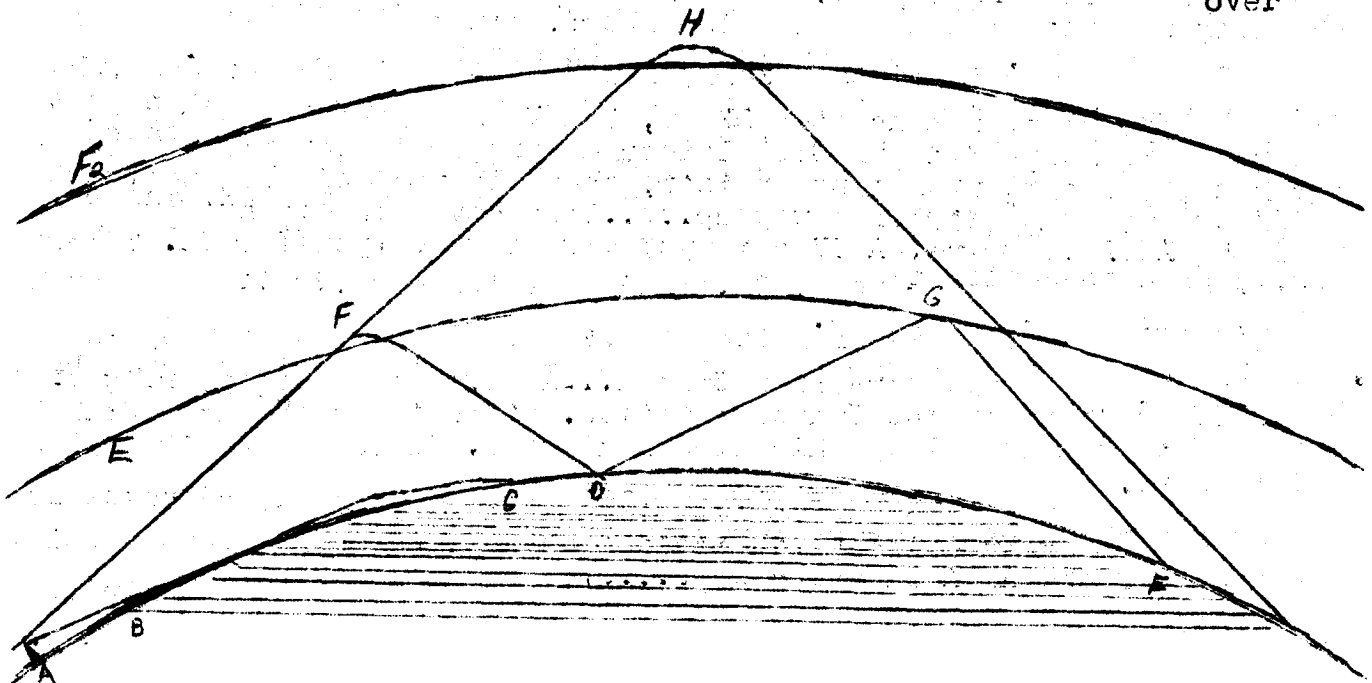
normal conditions is a little more than the distance from the stations transmitting antenna to the horizon (about 100 miles in practice). In the diagram below this is the distance from A to B. If an Es skip disturbance is in effect the TV signal may be refracted at F and return to earth at D. The distance from A to D may be anything from 400 to 1600 miles depending on a number of factors including the height of the "Es" cloud above the earth. Now, at D the signal may once again be reflected at D and strike the E layer at point G and return again at E. This would constitute "double hop E skip" and it will occur providing the Es disturbance is intense enough and the maximum usable frequency of the Es layer is high enough at both points F and G. Now take the example of the instance where the distance A to D is only about 500 miles; then the returned waves at E may be within the 1500 mile limit we usually set for single hop skip but the reception is actually double hop. It is safe to say that, in general, any Es skip reception over 1600 miles is probably multi-hop but to say for sure the number of hops is not always so simple. The route from A to H to I traces out a single-hop F2 path. The diagram, by the way, is not drawn to scale and the comparison is not a perfect one. Double hop ms is just about a mathematical impossibility. The two meteors would have to be at just the 2 right points at the proper times. But it is entirely possible for E or F2 skip to accomplish the first hop and ms to finish the second hop. The distance from B to C is an exaggerated sketch of extended-ground-wave or tropo and the distance C to D where the station cannot be seen is called the skip-zone. - A similar zone exists between D and E.

LATE REPORT:

John Cody of Middletown, Conn. reports on Nov. 21 BBC ch. 1 audio on 41.5 from 1200 to 1235 EST and RTF (France) on 41.25 mc. from 1200 to 1240 - signals fair to poor. On the 22nd the BBC on ch. 1 from 1105 to 1125 with the "Lone Ranger" and the "Phil Silvers Show" He is working on a transistor receiver for the BBC. Lets hear how that works, John. I'm toying with one using an SB-100. He uses a folded dipole cut at 45 mc.

I recently got my Tecraft 2 meter (144-148 mc.) converter going and have heard some tropo on the band as well as the local 2 meter group. This spring I hope to be operating on 2 meters for the ms and tropo.

over



INTERNATIONAL TV-DX cont....

THE COMING MONTH:

There are two notable meteor showers this month: The Geminids from Dec. 7 to 19 (peak at 1900 EST on Dec. 13); The Ursids Dec. 20 to 26 (peak at 0000 EST Dec. 23). F2 will probably decline for the next few weeks and peak up again in early January. Es skip is more likely to occur this month than in the remaining months until spring. Tropics will probably be poor but bears watching none-the-less.

In closing I would like to thank all those who contributed reports this month and hope to see the same next month. My sincerest wishes for a very Merry Christmas and a Happy New Year to all AIPA members and see you in '60. 73,

MERRY XMAS... Bryan

WINTER SKIP. Through the watchful eye of Dick Nieman here in Buffalo we learned tonight, Dec 4th, that our first Winter E reception has made it's appearance on CH 2... this was at 8:30 PM EST... Of course it was on ch 2 and we only knew by the usual rolling and effect it (Skip) has on our local WGR-TV ch 2... So keep in mind the Winter E is about due, it should of been, and probably was in through the southern states. Tom Hidley reports very good UHF in his locality Dec 4th. Tom called me again by long distant phone the 4th. (The skip finally got up to ch 3, 4 and ch 5.)

Another letter from Boy's Life Magazine (Circulation of couple million) writes me Dec 4th that they are thinking very seriously of running a nation wide article on the AIPA. I have been trying my best to get them to put this DX hobby across to their young men, boys in the Scouts of America. I'm sure it's going to click, and such a hobby would prove interesting and helpful to these youngsters.

Good old Sears, Roebuck and Co. (My bread and butter) has a write up with photos of CBLT Tabloid TV program that Bob and Yours Truly was on last Aug. The story or article on the AIPA will appear in their Magazine which is mailed to Employee's homes... (There are several million Employees. Hi!) I'm in great hopes of this promoting something in the line of members, either the Employee or some one in the home. This magazine will be out in month or so.

Our Lancaster DXers, Don Voegele and brother John, who were instrumental in our CBLT Telecast were up to Toronto again just recently and are promoting another, they also talked to a northern Canadian bush Doctor from way up..... They have him at the front door of the AIPA Club too. A TV set up there is wide open for DX. The Dr. said he held or had Atlanta, Ga. steady for two days.????? Thanks Don, your a go-getter too.

More news from Canada... Applications are pouring in for TV stations in the Canadian Cities. Bryan tells me there will be two more in Montreal by this time next year. Ch 10 and ch 12 applied for there.

We all hope the year 1960 will be as good, and possibly better for the AIPA in every way.....

Art.

WESTERN DXTRAP
DECEMBER 1959

ED HEPP
711 EBONY
POCATELLO, IDAHO

"SEASONS GREETINGS"

May I be the first to wish you a merry christmas and
Happy New Years. Sorry I missed the column last month, but
my Typist was out of town. Hi, Hi.

KWIK DX TEST Because the dx tv-wise is very low this time of the
year I know that alot of us AIPAers have gone back to the old
stand by broadcast band dxing. So being as I am Chief Engineer
here at KWIK RADIO I have ARRANGED A SPECIAL DX TEST FOR
Sunday DECEMBER 13. the time will be four to five a. m.
EST. From four to four 15 there will be a 1,000 cycle tone
interrupted every minute on the minute with a station I. D.
From four 15 to five a.m. there will be a program of xmas carols
that are easily identifiable, and with well known artists. So
if anyone would like to give it a try especially if you live
here in the west, the frequency is 1240 kc. If you do hear it
try to tape it and send me the tape I will be the veris signer
and will answer all reports. The address is ED HEPP, CHIEF
ENGINEER, KWIK RADIO P. O. BOX 2005, Alameda Branch, Pocatello, Ida.
And BEST OF BOB DXING.....

MERRY CHRISTMAS FROM ALL OF US
AND BEST DX IN THE COMING NEW YEAR.
TO ALL OF YOU.

Santa Says:

Friendly
CHRISTMAS
WISHES



HERE's hoping that this month's drawing comes out plainer than last month..or else this shall be given up as a foolish idea. I think my trouble last month with the drawing was that I did not cut it heavy enough..so we shall see....

GUS HILL-of Columbus, Ohio writes that his brother FRANK got him interested in the club, and he's sure glad he did. He has been DXing for over a year and has veries from over 47 stations. 4 Canadian stations CMAB in Cuba, and KOOK-2, CKCK-2 and others make up his total. Thanks for the card.

DENNIS SMITH- writes from the University that he is so busy that even if he had a TV set he wouldn't be able to take the time to do any dxing with it. He went home over the Thanksgiving holidays and expected to log the new station, KLYD-17 which will raise his total to 96. Dennis sent our Pres. a tape, recorded on the University tape recorder, and finds that something is wrong with it..here's hoping that he can fix it, and send along that tape to me that you mentioned.

CHARLES WOOD- from down in Ashland, Ore., writes that he checked for some F2 on a friends shortwave set that goes up to 54mc and found nothing. Well...as far as I'm concerned..there has been NONE. I've checked every day..and found none here. If any of you fellows would like Charles to write on a perticular subject..drop him a card, and maybe he will answer you in his next column in the bullitin.

FERDINAND DOMROWSKI- wrote to me this past month and asked me to please help him to get a verie from either KFAR-2 or KENI-2 in Alaska. Seems that a couple of months back he rec'd what he is almost sure was KFAR and wrote to both Alaskan stations..but got no answer. I told him the name of my verie signer from KFAR..here's hoping that he veries for you too. Sure was nice hearing from you.

ED HEPP- had a very buesy birthday over in Idaho in Nov., seems his job really keeps him hopping. Rec'd a tape recently from him tho..so nice to hear from you Ed..wish it were oftener.

FRANK HILL of Gallipolis, Ohio sends in a late letter here..arriving just as we go to "Press". So nice to hear from Frank. He says no DX there for ages. He is going to send me some dope on his loggings and veries..he has over 200 stations verified.

RAU'L MEDINA of Managua, Nicaiaagua, writes and requests some info on antennae and equipment..and says he would like to be a new member. He read my letter in t he Pop Elec magazine earlier this summer.

B.J.BINGHAM of Festus, Mo., writes this month, and sends along a clipping from his newspaper with a exc. write-up for him..and for the AIPA. He also mentioned the Mr. Taylor who appeared on "IVE GOT A SECRET" show with the flying car. Yes, he was from Longview. The "AIRO-CAR" is a strange, but common sight on our city streets.

TOM HIDLEY, also sent along a nice letter, of which we are most appreciated....

DON RULAND your Southern DX Editor dropped me a line, which I just received today. He rec'd some ms and unusual type of dx of WRC on Nov. 15, and wants to know what I got around that time.. NOTHING....wish I'd get some unusual type of dx..just any old kind would suit me Donald.

WELL, THIS WINDS UP THIS COLUMN FOR ANOTHER YEAR...THANKS FOR ALL OF YOUR SUPPORT THIS PAST YEAR..I COULDN'T HAVE DONE THE COLUMN WITHOUT ALL OF YOUR LETTERS..AND HELP.

DEE



Co-Channel Interference Column

conducted by Bedford P. Brown, Jr., Apt.#4, 2800 Rio Grande, Austin 5

Unidentified Programs(All time is Eastern Standard Time.)

Richard V. Nieman, 99 Imson Street, Buffalo 10, New York

1. Richard has been receiving a resolution chart with letters in a box in the upper left hand corner on channel 4 weekdays from 6:30 to 7:00am.

Thomas J. Hidley, 6117 North Canfield Avenue, Chicago 31, Illinois

1. Thomas received a very strange test pattern on channel 5, which appeared about 6 degrees south of east (east-southeast) at 5:27am, Sept. 23, 1959. I am sure that some of you dxers in the Ohio Valley-east Great Lakes region can help Mr. Hidley on this. The test pattern almost defies description. On the whole the test pattern is a plain grey nondescript sort with a few notable exceptions. There is a large black spot in the center in the middle of a white one which is about two and a half times larger. The small circles in each of the four corners are black and grey with a white center. Inside the test pattern itself there are three vertical black streaks at the top and bottom and three horizontal streaks on each of the sides. There are a series of black streaks, much thinner than the previously mentioned ones, which are tilted at slight angles from the horizontal and vertical.

*****NOTE***** Please get all reports for the January column to Austin by December 17th. If no reports are received by the 17th, the column will be omitted in the January bulletin but will be back in February.

More Unidentified Programs(All time is Eastern Standard Time.)

Robert Berg, 1324 Noble Street, Norfolk 3, Virginia

1. Oct. 16 ch. 5 6:05 to 7:05pm--audio only, these programs heard: Jim Bowie, Dragnet (re-run), a movie-Hitch Hikers; commercials for Gunther and Dentine. At break, announcer said something about station being member of Metropolitan Broadcasting Company, and he mentioned Springfield. Does anyone have a publications log in which they could look up the Metropolitan Broadcasting Company, please?
2. Oct. 16 ch. 4 6:23pm a program called " ??? Blake Sings".
3. Nov. 22 ch. 13 9:55am to 10:05am The station had a round test pattern from 9:55 until 10:00. In its upper left hand corner were the letters C (four letters). The last two letters could possibly be TV. At 10:00 there were commercials for Isodine and Gaslight, a spectacular. Then at 10:01 there was a cartoon show featuring Popeye. (Could the ad for Gaslight have meant the old movie in which Ingrid Bergman won an academy award? I remember seeing the movie in Louisville in 1944.....Bedford.)

We students of the University of Texas are still mourning our single football loss to Texas Christian University this season, but we expect to be even sadder when we get slaughtered by Syracuse in the Cotton Bowl New Years Day. Other than this I am looking forward to a happy holiday season, and I want to wish all of you the same. Merry Christmas and Happy New Year to all! 73's and best dx for now, Bedford