

# "American Ionospheric Propagation Association"

## TV - DX

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"AIPA Leads The Way"

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Page One

AIPA Bulletin--Published first week of each month, 12 issues per year. Membership---\$2.00 per year (entitles one to monthly bulletins, report forms, membership card & miscellaneous items. Payable to secretary or Vice President. Foreign membership higher due to postal rates (if interested, dues fee upon request.)

Editorial....

Seems the "New Year" started out fairly well for some AIPA DXers as E skip DX hit on a couple days early in January, peaking on the 3rd. Otherwise DX was fair in January with a little tropo and a couple good UHF openings.

This month we welcome new members: John O. Broomall, P.O. Box 207, Due West, South Carolina; Thomas J. Hidley, 6117 N. Canfield Ave., Chicago 31, Illinois. A hearty welcome to both of these earnest DXers. Renewals of late include: John Black; Ed Prond; Robert Duggan; Jerry Don Burch; Alan Livingston; Stan Penc; B.J. Bingham.

The votes have come in here on Gordon Simkin's I-DX proposal which came up before board members this past month. Results are 4 to 2 in favor of Gordon's 6 division setup proposal. However, alterations were suggested and I leave it up to Gordon to decide on them himself. They include: 4 divisions instead of 6; West of Rockies; west of Miss. River to the mountains; east of Miss. River to mountains; 4 Mountains to coast. If 6 divisions, then they should be divided by a line running east & west through Decatur, Ill. or thereabouts.

On the verification situation, the general feeling seems to be that definite verification of station should not be required in distance records; however, they, when listed as records, should be listed as verified or un-verified. The verification system where 3 other people must see the verie does not seem to meet with approval. That is the general feeling; there are a number of AIPAers who believe verification of station should be required in establishing records and also some favor the verification system regarding witnesses. One thing, photographs as veries, in all cases were favored as Class A veries. Also, the idea of setting of sytem where there would be Class A and Class B veries has been suggested. All in all, feelings % seem to vary so lets hear a few more comments in near future. Thank You.

May I remind AIPAers that we have a convention (annual) coming up in mid-July down in Shelbyville, Illinois. It's a mite early to plan yet, but it's going to be a whale of an affair, best convention yet, so it won't hurt to think about that nice summer vacation a little now!

Quite a few AIPA renewals come up soon (or are already at hand), so may I urge same to dig up \$2.00 somewhere and get into another year with the AIPA, now in its 5th year.

Deadlines for March bulletin: Longview, Wash., Cardington, Ohio, Loma Linda, Calif., all February 25th; Buffalo, (FCC news), Worcester, Mass. (our new Ms editor is: James Howarth, 84 Mower St, Worcester.. support his column.. please) Austin, Texas, February 27th; Dunkirk, N.Y. (Eastern DX), March 1. Best 73

RS

AIPA

Volume 5, Number 2

"DX DATA"

"Les Verifications"--Part 2

When a station fails to answer your report, there may be any number of reasons why, but it all boils down to two basic factors. Either you may be at fault, and then there's the station's aspect. I do believe however, that in the majority of cases, it is the dxer who is at fault. Here goes: Sloppy formats; poor spelling; cheap stationery, poor penmanship; a poor command of English (or your basic language), stupid remarks, and general ignorance of what you are doing, are but a few of these reasons. Now, before all of you who are victims of the pre-mentioned villains go on the defensive, stop and think a second--You may consider my wording harsh, my methods nasty, but I wish to say this: When I first reported to stations, my format was sloppy, I used cheap stationery, made stupid remarks, etc. The point is, if you don't get results, something is wrong! Let me also say that by poor penmanship, I refer to general neatness, not fashions of hand writing, etc.

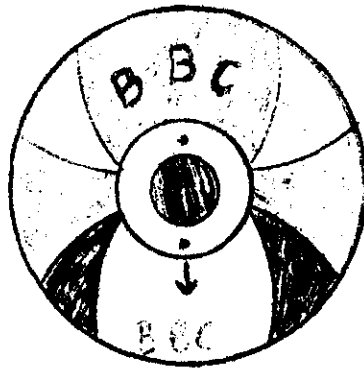
Of all the faults one may have in reporting, the most common one is "general ignorance of what you are doing". What I mean by this is, that while we are observing DX, most of us construct a written report of what the station in question is telecasting. This is termed "logging a station" and it is from this log that we report our reception, seeking a verie. Now since I presume all of you want your log exact as possible, please scan the following questions on television fare: What does the term, "Monoscope" refer to? What do the initials: (NTSA) (EIA) (M.B) stand for? What is a "dealer tie-in"? What is a "spot"? A "promo"? Explain (3/4 ID) (PI). Now if you can't answer any of these, don't consider yourself a DX failure, it only means you have not been exposed to any worthwhile reading matter on the subjects involved. So, "general ignorance" really turns out to be the fact you lack knowledge on television broadcasting and associated fields. This was the idea that hit me 3 years ago, when I made a personal study of my own verification efforts. Since then, through self education, I have learned to write the kind of DX reports that get results! Then now, if I can do it, you certainly can also, the only requirement being you long for improvement, and have follow through.

If we now desire worthwhile reading material as mentioned, you may wonder where such can be obtained and other details. Let's start out by saying that anything that can be purchased in the neighborhood drug store, or just any newstand is not what I have in mind. What I do mean is trade publications of the industries involved. Sure they can be quite expensive but are well worth it! I can't begin to say how much value they have been to me in TV-DX, and I'm quite sure you will feel the same way also. So if you are interested, drop me a line, and get the entire story.

Now let's take another look at those "villians". By sloppy formats I refer to the construction of the report. Poor spelling is something that can get us all down through no fault on our own parts. It would be a good idea to look up words you aren't sure of, as even good English teachers have fallen down in this respect. Cheap stationery?--Yes, printed AIPA letterheads do help! (this is not a promotion for Art Collins paper) Hi! Stupid remarks are usually the results again of lack of knowledge, and are no reflection on the DXer in any way. Everyone is a layman of some sort. Last, the poor command of language refers only to your mode of expressing yourself in reporting, and nothing else! So, don't hate me fellows, if I didn't care, I would keep my big mouth shut. Hi!

We shall continue next month. Best DX & 73's,

King Schafer



Feb. 6, 1958

" FCC NEWS "

Compiled by Art Collins.

Grants.

- Ch 5 Walla Walla, Wash. 30.3Kw-23Kw.
- Ch 6 Greenwood, Miss 30.4Kw-15.4Kw.
- Ch 15 Louisville, Ky. 19.8Kw-10.7Kw.

New Applications

- Ch 4 Reno, Nev. 6Kw.-3Kw.
- Ch 9 Eugene, Ore. 221.1Kw-123.8Kw
- Ch 12 Arecibo, P.R. 20Kw-12Kw.
- Ch 23 Yakima, Wash. 21Kw.-10.5Kw.
- Ch 70 (WHDL Inc) Olean, N.Y. a TV Transl. for WBUF-TV Bflo.

Call Letters Assigned.

- Ch 6 WABG-TV Greenwood, Miss.
- Ch 15 WFPK-TV Louisville, Ky.
- Ch 16 WNEP-TV Scranton, Pa. changed from WARM-TV Effective Feb.1st.
- Ch 8 KSWB(TV) Elk City, Okla.
- Ch 9 WTVC(TV) Chattanooga, Tenn. from WROM-TV.
- Ch 10 KNDA(TV) Elko, Nev.
- KLOR-TV Provo, Utah. on ch 11.

Mis'l News.

The FCC began it's hearings pro and con on the much talked of Pay-TV on Jan 14th. To this date there is no word one way or the other as to the certainty of it. A three year trial may be for one thing.

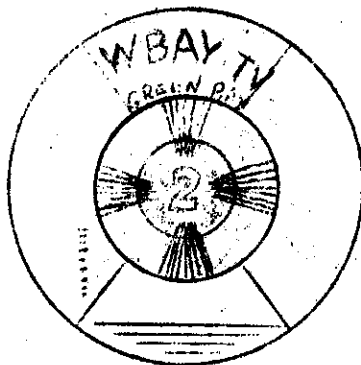
- Ch 4 CKRN-TV Rouyn, Que. Canada began programing Dec 25th.57.
- WIL-TV ch 8 Billings, Mont. plans target date -March 15. 316Kw. (NBC-TV)
- LOF-TV ch 9 Orlando, Fla. now on the air 316Kw. (ABC-TV)
- LOF-TV ch 9 Orlando, Fla. now on with 316Kw. Feb 1st start.
- KLJ-TV ch 12 Helena, Mont. went on the air Jan.1st.58.
- BJV ch 28 Elkhart-South Bend, Ind. now on it's new channel 28.
- BD-TV ch 31 Peoria, Ill. went on Jan.1st. 6P?M? (CBS-TV)

You will notice that the New stations going on are getting fewer month after month. this is something that has to be with the Cities getting jammed and TV's especially on VHF close to one another now. The UHF bands really not wanted .

Welcome in for another year are members James Mitchell of Dahlgren, Va. and our Canadian friend Bert Webb Regina, Sask. Can. Could we urge our Members to try encourage other dial twisters, friends of yours etc. to join up with the AIPA. surely you must know a friend in your locality who might be interested.

Art.

" RANK COLUMN "



Feb. ~~1957~~ 6, 1958

Compiled by  
Walter Spaulding.

Have only sign on and off hours from David Janowaik off Milwaukee and Jim Dillon ff from Regina Saskatchewan and also John Cody Middletown Conn. Thanks and can use a lot more material.

The following are in the Milwaukee area.

Station	Ch.	Week Days	Saturday	Sunday	Location
WTMJ	4	0645-2405	0845-2430	0845-2430	Milwaukee
WITI	6	1500-0005	0845-2430	1455-2340	Milwaukee
WMVS	10	1645-2030	No Program on Saturday or Sunday		Educational (Bull I TP)
WISN	12	1130-2930	0845-2430	1100-2340	Milwaukee
WXIX	19	0645-0030	0815-0100	0815-2340	Milwaukee
WBAY	2	0700-0030	0830-0100	0900-0015	Green Bay
WFRV	5	1100-2345	1530-2330	1545-1130	Green Bay (IHTP)
WMVB	11	0700-0005	1315-2330	1230-2315	Green Bay-Marinett
WDMJ	6	1400-0030	1400-0100	1245-2400	Marquette Mich.
WSAU	7	0900-0030	0915-0100	1000-2330	Wausau Wisc.
WKBT	8	1115-2350	1000-0030	1030-0015	La Crosse Wisc.
WEAU	13	0700-0010	1130-0005	1230-0005	Eau Claire
WISC	3	0700-2400	0930-0030	0900-0005	Madison Wisc.
WHA -TV	21	1030-2100	No Program		Educational Low Power Channel Madison
WKOW	27	1145-2400	1530-2400	1515-2300	Madison Wisc.
WMTV	33	0700-2400	1330-2400	1230-0015	Madison
WDSM	6	0700-2350	0900-0030	1200-0030	Superior
KDAL	3	0700-2400	0930-0030	0900-0030	Duluth Minn.

Thanks David and be free to send more sign ons or verie signers. All Time EST

Here is list of sign on and off times for most western Canadian Stations sent in by Jim Dillon Regina Sask.

Station	Ch.	Week Days	Saturday	Sunday	Location
CKCK	2	1600-002-3	2130-0315	1400-0230	Regina Sask.
CFQC	8	1530-0200	1600-0315	1430-0200	Saskatoon Sask.
CFJB	5	1830-0215	1930-0245	1500-0115	Swift Current Sask.
CHCT	2	1400-0300	1600-0315	1500-0115	Calgary Alta.
CHAT	6	1800-0215	1800-0245	1415-0110	Medicine Hat Alta.
CJLT	7	1800-0215	1800-0245	1500-0230	Lethbridge Alta.
CBWT	soon 34	1525-0215	1600-0220	1310-0150	Winnipeg Man.

All Time Eastern Standard Time Jim has 66 Stations How about some verie Signers.

The next ones sent in by John Cody Middletown Conn. Would also like signers from you

Station	Ch.	Week Day	Saturday	Sunday	Location	Afflication
WOBS	2	0615-0300	0745-0300	0750-0300	New York N.Y.	CBS
WTIC	3	1400-2400	1130-0045	1130-2400	Hartford, Conn.	Ind.
WRCA	4	0655-0100	0655-0145	0700-0200	New York N.Y.	NBC
WBZ -TV	4	0645-0230	0645-0230	0845-0100	Bost, Mass.	NBC
WABD	5	0830-0030	0955-0005	0825-0030	New York, N.Y.	Dumont
WRGB	6	0700-0100	0830-0000	0915-0030	Schnectady N.Y.	NBC
WABC	7	0726-0050	0756-0005	0736-2400	New York, N.Y.	ABC
WNHC	8	0645-0030	0900-0230	0900-0100	New Haven, Conn.	ABC, CBS

Again I am going to ask for more material to be able to keep this column going  
Walter Spaulding R.D.# 3 Box 168 Gardington, Ohio.

**IDX LOGGINGS OF THE MONTH:** Ed Hepp and Doris Johnson both logged OKOW-2 via F2. George Palmer continues to receive BBC. Stan Penc gets photos of BBC test patterns.

**Special Reports:** IDXer Heinar Tammet, Sauna 1-11, Tallinn, Estonia, sends in a very interesting report. Although he is not yet a member, he hopes to work out a way to join. He has trouble DXing due to his local (59.25 McV, 65.75 McA, 5/2.5Kw) and so he and R. Ingeland about 50 miles away DX together. Here is his TV DX for June '57: (Times are Moscow time.) 3rd-1800-1930 Switz ch E4, Italy ch E4, W Germany ch E4, Kiev (USSR) ch RIII (59.25 McV, 65.75 McA). 6th-1340-1415, Italy ch E4, Prague, Czech, ch RII (49.75 McV, 56.25 McA). 8th-1640-1740 BBC chs 2 & 4, Switz-E4; 2035-2215 Italy & W Germany-E4, BBC-2. 9th-1840-2000 Bucarist, Rumania-RIII. 11th-1920-2200 BBC chs 2, 3, & 4. 12th-1940-2130 BBC-2, 3, & 4; 2140-2230 W Germany-E2 & E4, Switz-E2, & Italy ch A (53.75 McV, 59.25 McV). 13th-1930-2330 Italy & W Germany-E4, Prague-RIII, Switz-E2. 16th-1905-2010 Italy-E4, Czech-RIII; 2230-2320 Rumania-RIII. 17th-1850-2030 & 2135-2225 BBC-2, 3, & 4. 18th-1545-1600 Czech-RII; 1840-2230 Moscow-RII, Kiev-RIII, BBC-3. 19th-1430-1500; 21st 1416-1500, and 22nd 1730-2200, BBC chs 2, 3, & 4. 23rd-1930-2100 Czech-RII, BBC-2, 3, & 4; 2200-2220 W Germany-E2. 25th-1245-1420 Czech-RII, Italy-E4; 1845-1905 Italy-E4; 1910-2220 BBC-2, 3, & 4. (Note: Listed DX is not all seen during total time listed.) In November, F2 DX started picking up, bringing in signals up to 50 Mc, especially from London. On Nov 21, from 1700-1900, US hams on 50 Mc began to come through, with many W1's and W4's heard. Soon these signals were heard regularly from 1630-1900. Good luck, Heinar, and we'll be looking for Dec & Jan reports.

A second letter from Rodolfo Machado of Mendoza, Argentina answers some questions. He notes that he saw no TV DX on Aug 2 this year, but he saw Venezuela ch 2 on the 1st of Aug at 2300 Argentina time (EST plus 2 hours) and on the 3rd he saw chs 2, 4, & 5 from Venezuela from 2100-2400. Other DX includes Venez ch 2, July 23 at 2300; Venez chs 2, 4, & 5 on Aug 17, 2200-2400; and Sept 1 he saw Brazil on chs 3 & 4 and Venez ch 2 from 2030-2400. Then almost daily from Sept 18<sup>th</sup> till Oct 12, reception was regular like Sept 1 with the 18th of Sept bringing good reception with clear pictures until the stations went off at 0030 when Mexico came in. Other info: Buenos Aires has never had but one TV, always on ch 7, and that any DX from SA on chs 3 or 5 would have to be either Brazil or Venezuela. There are plans for a TV station in his town, maybe this year.

**IDXers:** George Palmer of Australia tells of some peculiar signals he saw on US channel 3 around 0100. It was only on the antenna aimed toward Hawaii and Western US, and although the horiz sync pulses continued for one hour, no picture was seen, no ID. He has once before seen such signals, also unided. He now has a "hotted up" BBC TV and a booster for BBC ch 1, so he is hoping for better video one of these days. On the 17th signals did increase again, and video was received, but local QRM prevented seeing it. The sound had been so strong the night before that it made strong sound bars on the screen. The 19th brought in a good Es opening for 50 Mc ham DX, but no TV. He mentions that the MUF to the US is increasing, so here's hoping for some US TV.

Ronald Boyd of Nova Scotia continued to see European DX as long as he was home for vacation. Here's a review of it: Dec 25 QRM to OKOW 0957-1215, peaked 1127. 26th nil. 27th by 0921-1013. 28th 0847-1205. 29th 0855-1330. No F2 Dec 30, 31, Jan 1 or 2. On Jan 3, F2 0900-1245. 4th 0911-1303 with Western US hams on 50 Mc at 1247-1418, but no TV from the West. 5th 0909-1200 and US hams 50 Mc 1200-1300, still no US TV. This was his last day for DXing. Although many signals were seen, not much was IDed. Tentative ID includes Denmark, W Germany or Switzerland, and BBC. It is interesting to note that despite the difference in standards, he was able to get a BBC TP to sync enough to get a picture, and being negative, the photo negative came out positive! The remaining difference in standards caused the appearance of excessive ghosts. This was all on US channel 2, and times are AST. He tells that the method of using a signal generator or SW set to improve sound, works wonders on aurora DX, and brought in his only aurora ID. He logged aurora on Dec 21, 25, 26, 30, & 31, mostly at night, except on the 31st, it lasted all morning, and during this time he logged WSYR-3 by the method described. QRM was seen up to ch 6. This aurora continued into '58 with a tent CBFT-2 at 0153 AST. Again after midnight on Jan 2, more aurora with good French sound on ch 2 (using signal generator) likely CBFT-2. Then on Jan 3, Es from 1722 'til 2200, with strong signals, 8 IDs, (3 now) and 4 photo veries. That about rounds up a few days with a lot of DXing. Too bad you weren't home thru Jan 10, as F2 peaked on the 8th & 9th, it seems.

Bryon Rawlings sends in a complete list of Canadian TV's, and some Es DX for my June-July study. I'll list here those under construction: Quebec - Clermont ch 75, Relay OFQM-4 45.1 WV; Escourt ch 70, Relay QJBR-3 45.1 WV; Matane ch 9 to have 160KWV; CFTM-TV Trois Rivieres ch 13, 1.53 KWV; and OFOL-TV-1 Dlk Lake, ch 12, Relay OFOL-6.

US DXers: Stanley J. Penc of Utica NY is finally getting BBC pictures. The first photo was taken on Dec 21 around 1300 EST, of a BBC commentator - and reception was clear enough, so that you could have recognized him, if you knew him! This is the best F<sub>2</sub> photo that I've seen of any TV. With this, he got a very nice 22 column-inch write-up, with three large photos of him and his DX set-up, and some good publicity for the AIPA. Since that first DX, he has been seeing the BBC every day that he has been off work to look! He has some photos of their TP that are better than any I've succeeded in getting. He is receiving video on BBC chs 1 & 2, and audio up to ch 3. His best day seemed to be Dec 29, with almost as much on Jan 1, 4, & 5.

Bill Grant of Worcester, Mass., reports that BBC video on BBC ch 2 is still coming in, and audio on BBC-3, although not as strong as before. This was for the latter part of Dec. On Jan 3, he logged BBC video on BBC ch 3. On this day he heard several BBC IDs. He also sends in details for Es study. The following is a review of the remainder of January: 4th BBC to Ch 3V; 5th to 3A (Woman announcer signed on with "This is the BBC Television Service. Goodafternoon everyone.") This day continued with signals of extreme strength. 6th & 7th nil. 8th ch 3V; 9th-13th nil; 14th ch 3A; 15th ch 2 V; 16th ch 3A and GCI on ch 2V; 17th & 18th nil. 19th to ch 3A; 20th to ch 3A; 21st-25th nil. (A-audio, V-video, all BBC channel numbers.) Bill says that a good address for the BBC is: "F.W. Dennis, Engineering Information Dept., The British Broadcasting Corp., Broadcasting House, London, W.1, England."

Ed Hepp of Portland, Oregon, got into the IDX news and F<sub>2</sub> this month, by logging CKOW-2 Moncton, N.B. via F<sub>2</sub> with IDable photo taken on Jan 4 at 1000 PST. DX started at 0930 with an IHTP, very ghosty. All faded at 1220. The 5th brought in DX by 0836 and lasting until 1135. On this day he logged many 50 Mc hams on his TV. Another ID slide sure looks like WGR-TV. F<sub>2</sub> DX on ch 2 lasted through the 10th, and some sound was in on peak days, which seemed to be the 8th & 9th. So keep your eyes open, who knows???

Doris Johnson of Longview, Wash., also got in on the F<sub>2</sub> skip from the East. Her log looks like this: Jan 4 - IHTP at 0915 until 1000, then a second station with a panel show, and this DX lasted until 1210. The 5th saw F<sub>2</sub> by 0835 until 1140, with a CBS "eye" and a CBC add, and audio at 1000 stating it was the CBC. And the 6th had F<sub>2</sub> at 1059-1144, the 7th from 0848-1140, the 8th from 1849-1310, the 9th from 0855-0944, and the 10th from 0810-0825 only. During this time, Doris IDed CKOW, WGR, WCBS, and KDKA, with tent OBFT, WGBH, and WTWO, all ch 2. How's that for DXing? Good luck on more F<sub>2</sub>. One more thing - she has noticed that channel 3 in her area seems to be poor for Es. She gets more openings on chs 2, 4, & 5 than ch 3, and wonders if anyone else has noted this effect where they are. If so, we'd appreciate mention of it in your next letter to one of us.

Norris Doyle of Pittsburg, Calif, reports that he is going to try to get set for possible Europe DX - and starts with a TV set (for \$6) that has 14 channels on it! The ch 1 is blank, and the ch 14 is unknown, even though sound has been heard on it. His wife logged CKOK-2 at 0930 PST on the 8th, and the Sunday before, he saw a very ghosty picture on ch 2, with 50 Mc hams, the only sound, from Alaska. It would seem likely that this video was F<sub>2</sub> from Alaska. Too bad you couldn't ID it! Good luck.

Frank Wheeler of Erie, Pa., logged QJCB-4 Sydney, N.S., at 1020 miles, for 30 minutes starting at 1930 EST on Jan 3. There was also an unided on ch 3. He received a nice verie from QJCB, which says his report is hereby verified. How's that? He is also working on June and July Es data for me.

Raymond Bell, of Washington, Pa., sends some interesting info from the BBC engineering Dept. It is a list of highest received frequencies from the US for the period Nov 17 to Dec 12. This shows Nov 17 as a peak day, with DX to 59.75 Mc (audio of some US ch 2 TV). This was at 1600 GMT. On almost every day during this period, the MUF went up to 50 Mc. There were only 7 days that it was below their TV ch 1 sound frequency. The second best day was the 24th, with the MUF at 50.5 Mc, and the 27th was the poorest day, with the MUF at 29.97 Mc. Other DX heard (by Ray) includes BBC's Queen's broadcast at 1500 EST on Dec 25, video on 41.75 Mc on Jan 3 at 0845 and again on the 6th at 0850. German audio was heard at 42.8 Mc on Jan 6 & 7, and on 41.8 Mc on the 7th, 8th, and 9th.

IDX-3

During this interval, BBC audio and video (ch 1) and France (Caen) audio were very good, with DX as early as 0800 and as late as 1400 EST. He has never heard BBC ch 2 audio. Other DX was logged on Jan 16, with strong video on 48.25 Mc at 0945, and audio on 41.9 Mc at 1100 EST. Sure too bad you can't see the video you hear.

Larry W. Vehorn of Speedway, Ind., reports the following: Dec 23 BBC ch 1 A & V. and video on 48.25 Mc; 24th BBC ch 1 A & V; 25th BBC-1 A & V; 26th France A, and BBC A & V at S-9 plus!; 27th BBC-1 A & V, ch 2 A, and 49.75 Mc V (USSR ch RII); 28th S-9 France A & BBC-1 A, weak V; and 29th S-9 France audio, BBC-1 A & V. Bits of interest for the first part of Dec: 4th BBC-1 A S-9, 41.75 Mc V, (USSR ch RI), BBC-1 V S-9; 13th BBC-1 A & V, ch 2 A (2 stations - 48.23 & 48.25 Mc); 20th BBC audio chs 1 & 2, no V; 22nd France A, BBC-1 A & V, ch 2 A, and video at 49.75 Mc. How's January?

Percy Cox of Visalia, Calif., reports that one day in early Jan (likely the 8th or 9th) he logged at least 5 (at once) stations on ch 2 - only sound was 50 Mc hams. He saw portions of a CBS ID, an NBC ID, and three films. Too bad no ID's. Here's hoping.

A big THANKS to all those contributing to this column this month. Many reports make more interest. If you agree, keep up the reporting - to all columns. OK!

Locally DX was much better than in Dec. France audio was in the longest on Jan 5, but the best signal was in on the 15th. BBC audio (ch 1) was in until 1305 PST on the 5th with the best signal on the 8th. BBC video on 45 Mc has been very strong - even snow free, but always very ghostly and unstable. Jan 5 brought 4 hours of video, but the best video was seen on the 17th. On the 8th, there was a ghost displaced by 2/3rds of a verticle picture - likely long and short at once. This was at 0904 PST. The curious FM tone on 45.85 Mc was heard almost daily. BBC audio on 48.25 Mc was heard on Jan 7, 8, 9, 13, 16, & 20. On the 7th signals lasted for 90 minutes (0800-0930) with peak strength at 0830 of S-8. Very weak video was heard on 48.25 Mc on the 7th for 30 minutes, from 0815-0845. Seeing it was impossible because of QRM from BBC and local signals near 48Mc. There was trans-US DX on 50 Mc almost every day, with Nova Scotia on 50 Mc almost as often - Alaska and Hawaii were also heard. DX from Alaska peaked on Jan 9, with two solid hours of S-9 50 Mc DX from Anchorage - no TV QRM, though. Earlier that day brought the only F<sub>2</sub> on US ch 2 that I've ever seen - with at least 3 different, from 0830 to 0945 PST, but local QRM prevented ID. One other note, some of the paging stations that have been on 35.58 Mc have moved to 35.23 Mc. Puerto Rico, Detroit, and Baltimore have all been heard on this new frequency. I have also been hearing "Radio Moscow" on 35.76 Mc the long way around lately after 1600 PST 'til 1730, along with unideds on 35.9 & 37.52 Mc, not English, but SW type signals. Anyone have any ideas??

F<sub>2</sub> DX PREDICTIONS: In January, MUF's went to 18 Mc above the predicted average values. The preliminary forecast for Feb 1-15 indicate the average may be up to 10% above the previous forecast. This means that the Eastern US may continue to receive DX above 50 Mc on the better days, but the openings will get shorter and shorter, and will occur later in the day. This will squeeze reception away from the Westerners first, and then from other parts. Trans-US DX is still possible on ch 2, but the mid-point will likely be farther to the south. Times will be about the same as in Jan, or a little later. MUF's to the south are on the increase, and some points in S America will have an average MUF of 50 Mc. (midpoints at 26-28°S. Lat, times: 1500-1700 LST) MUF's to other points in the Southern Hemisphere seem on the increase, although the points of best reception (at the US end) will be getting farther and farther south as time goes on. Never-the-less, N-S openings may occur on 50 Mc frequently, and possibly on higher frequencies, especially if there should be simultaneous Es. Speaking of Es, it is apt to drop below TV frequencies by the end of Feb, but should begin to pick up again in March, more in April, etc. March may see the end of European DX above 40 Mc, but a still further increase in MUF's to S.A. with average values in S.A. reaching 54 Mc from 1545 to 1930 LST at Latitudes (or reflection points) of 25 to 35°. MUF's on the first bounce from the US should peak to S.A. around 0930 to 1100 LST, earlier in the Western US. There is not enough info available for good date prediction to S.A., but to Europe and Trans-US, MUF's may be high most of the first half of the month, and again for the last week. I will predict the best day to be Feb 6, plus or minus a day. (By the way, you can make your own "best day" predictions, if you have one or more loggings to go on - From a peak day, add 28 days, and that day, plus or minus one, is very apt to be another good day. This is not always so, and new peak periods may start at any time. And don't fail to look the day right after a lot of aurora. Good luck one and all.)



Here is some info from George Jacob's Propagation column in the March QJ. "An increase in the number of long-distant 6-meter openings between the United States and areas in the Southern Hemisphere is forecast for March. On the otherhand, 6-meter openings to areas of the Northern Hemisphere are expected to decrease considerably during the month... During the equinox period, from March through April, there is usually an improvement in antipodal propagation — that is, propagation to the opposite side of the world... Auroral displays are known to occur more often during the equinox period than at any other time of the year... Minor Meteor showers are expected to occur March 10-12, and on March 20..."

The remainder of his March QJ article is excellent reading, but I don't have room for it here. Here is the hour-location predictions for the month of March for 6 meters. (1)-openings 1-4 days, (2)-openings 5-11 days, openings to ch 2 TV likely, Eastern US to: Western Europe 1000-1400 (1); North & Central Africa 0900-1300 (1); South America 1000-1300, 1500-1800 (1); Australasia 1700-1900 (1); Guam and Pacific 1600-1800 (1). Times all EST. Central US to: Western & Central Europe 1000-1200 (1); Central and South Africa 1100-1500 (1); South America 0900-1200, 1500-1800 (1); Hawaii 1400-1700 (2); Australasia 1600-1900 (1). Times CST. Western US to: Central and South Africa 1000-1500 (1); South America 1000-1300 (2), 1600-1900 (1); Guam and Pacific Islands 1300-1700 (1); Australasia 1400-1700 (2); Japan, Okinawa, and Far East, Hong Kong, Macao, & Formosa 1500-1800 (1); Philippine Islands & East Indies 1300-1600 (1). Times all PST. A thanks to George and QJ for this advance info.

Es PROPAGATION, cont. Meteors have been claimed as being primary sources for causing Es, but no correlation has been observed, except during meteor showers. Thunderstorms may be a contributing factor, at least in some cases. High altitude winds and turbulence may also contribute to the ionization. Currents flowing in the ionosphere seem to cause Es, but this only seems evident at the magnetic equator and in auroral zones, where Es occurs frequently. But overall, it still seems rather indefinite as to what energy source causes Es.

Most Es data is gathered, not by actual propagation of radio waves from one point to another, but by a radar-like instrument which measures the highest frequency that is reflected straight back down to the transmitting point (this is the critical frequency or "fo"), and at the same time, the height of the reflecting layer is measured. This equipment is called vertical-incidence ionospheric-sounding equipment, or just ionosondes. There are over a hundred of these stations operating all over the world.

These same ionosondes measure similar data for all layers of the ionosphere. Information from these station is sent to the Central Radio Propagation Labs (CRPL) for study and analysis, and much of it is made available to interested personnel on a trade of information basis. Such data is actually take every 15 minutes, 24 hours a day, except for equipment repairs. The median values figured on a monthly basis are published in graphic form, and on occasions, hourly values are published in great detail. Hourly Es data is listed on graphs which indicate the percentage of time that the foEs (the critical frequency of the Es layer) is above 3, 5, & 7 Mc, and the median foEs averaged for the month. Dr. Smith has shown a remarkable correlation between the foEs greater than 7 Mc averaged for Washington D.C. and White Sands, N.M. and TV DX. However, the relation between foEs and the muf seems to be a factor of about 5. That is, if the measured foEs is 7 Mc, the muf for a 2000 Km (1242 miles) path using the measured point as the mid-point of the path would be only 35 Mc.

Neglecting tropospheric effects, or multiple hops, the maximum distance for Es DX would be about 1600 miles for Es layers at 140 Km, but most Es with foEs over 7 Mc is near 110 Km, where the maximum single hop distance is about 1450 miles. Best distances are thought to be around 1200 miles. The minimum distance that Es could occur would likely be around 300 miles for channel 2, 400 miles for channel 4, and 600 miles for channel 6. It seems highly improbable that Es could ever occur at frequencies above 150 Mc, but if it did, it would likely have to be about a 1250 miles path. — cont.

SHORTS: WIPR-TV, San Juan, P.R. has started on ch 6 with 100 Kw. It's on from 1500-2030 LST and Rafael Marquez is General Manager. CKRN-4 Rouyon, Que., is on with both French & English programs. It is authorized 50 Kw. CHQA-6, Red Door, Alta., is on the air with 13Kw. CFJB-5, Swift Current, Sask., is an "automatic" station, with 13.3 Kw. CKSQ-5, Sudbury, Ont., has asked for a power up from 2 to 30 Kw. (-Broadcasting) (Jan 30 - no votes on IDX records received - see editorial) 73 & DX to all -gs



Western DX column by Doris Johnson, 146 Maddock Pl. - Longview, Wn.

F2 skip really hit the Western U.S. but good on Jan. 4-5-6-7-8-9- and 10th. After watching it for some 15 hours altogether, Ed Hepp of Portland, Ore. and myself managed to ID and log, CKCW-2 in Monocton, New Brunswick, WCBS-2 and WGR-2 in New York, and KDKA-2 in Pa. and letters are out to WGBH-2 in New York, WTWO-2 in Maine, and CJIC-2 in Ontario. So we feel mighty lucky. During this F2 skip many hams were heard on our t.v. sets on ch. 2..from Maine, N.Y., Pa., R.I., Va., Wash. DC., and Ohio. There was almost no audio with our F2 skip..except for occasional loud bursts of hams from above mentioned areas. Eddie Albright of Medford, Oregon wrote that he too got these hams on Jan. 9, from Eastern U.S. and he tape recorded most of it. He said they really boomed in on ch. 2. Frank Hill of Ohio, writes that he got a Q.S.L. card from a ham in Athena, Oregon, whom he got on ch. 2 on Jan. 9 also. So it seems this unusual F2 was being seen and heard elsewhere besides the Pacific North West. Helen Tobie of Fairport, N.Y. -K2TJY- whom I received on Jan. 4 and 5th, and wrote to, answered with a very nice letter saying she sure was surprised to learn she was causing TVI some 2,000 miles away. Hi..she was using 300 watts on ~~an~~ 50 mc. Ed Hepp and I took some 50 pictures of our F2.. They are excellent F2 photos.. all ghosty...blurred and etc..Nothing of much value. The photographer who developed mine said, "Say, you sure do get GOOD CLEAR pictures, don't you?"..Hi..I guess he thought I sure get horrible t.v..Oh well!

~~xxxx~~ A short card arrived too late for last month's bulletin, from Bedford Brown of Arkansas. He said he was too worn out from college work to get in much chance to dx at Xmas..but did log..WUSN-2 by Eskip on Dec. 24, with WGR-2 by ms. Totals are now 334 with no new. Nice to hear from you again Bedford!

Another late report last month came in from Bobby Grimes of Arkansas. He reports on Dec. 18, 19, and 20th that KTVR-2 in Denver was in with a good clear signal and on Dec. 24th CBFT-2 in Montreal was in perfect..so clear that a friend of his got it on his rabbit-ear antenna and later in the evening WGR-2 in N.Y. took over. Thanks for report.

My report reads: Dec. 30th, unided ch. 4 either Texas or Ariz. possibly.. by skip..and KREM-2 by tropes. Dec. 31..light aurora noted. Jan. 1st..KLRJ-2, KVOA-4, KTVK-3, unid. ch. 5, all by skip. Jan. 3, BIG ms shower from early morning to early evening..one burst after another noted. Jan. 4th, 5th, 6th, 7th, 8th, 9th, and 10th, ..F2 logged, as mentioned above..with WCBS-2, WGR-2, CKCW-2, and KDKA-2 all new. Jan. 15th, KREM-2 by tropes. Jan. 16, KREM-2 by tropes. Jan. 20th, ms bursts which looked like F2...on ch. 2..for about 4 minutes.. and that is all. This brings my total logged up to 96.

Eddie Albright of Medford, Oregon, also sent in a late report for last month's bulletin. He lists: Oct. 30th, KTVK-3 by skip, unided ch. 4 by ms. Nov. 3, ??-13 by ms, and ?? ch. 4 by ms..Dec. 3, ??-3 by ms, Dec. 6, ??-ch. 3 by skip, Dec. 7, ??-ch. 3 by tropes, ??-2 by ms, ??-ch. 4 by ms, Dec. 13, KTVK-3 by skip, and ??-2 by skip, and ??-4 also by skip. Dec. 14, ??-ch. 2 by skip, ??-ch. 6 by ms, ??-ch. 5 by ms. Too bad you couldn't do better on IDing some of these Eddie. Better luck next time. Total logged 69. Eddie's report for this month, is Jan. 2, KOAC-7, tropes, Jan. 3, KNXT-2, CERN-3, KOK-2, KBOI-2, skip. Jan. 9, F2 seen on ch. 2, with several hams logged, such as W8CMS, K2RQ, W1HOY, K1BUX, and also some tropes with KVIP-7 and K1EL-3 showing up. Jan. 14, ??-ch. 3 by ms. Jan. 16, KPIC-12 4 by tropes, KGW-8, KPTV-12, KVAL-13, unid. ch. 3 and unid. ch. 2 all by tropes. Jan. 20, unid. ch. 3, by tropes and KOAC-7 tropes. Jan. 21, KOIN-6, KPTV-12, KGW-8, KCRA-3 KVIP-7 and KBET-10 all tropes. 1 tentative new...69 logged. Real nice Eddie.

D - S +1 W - C V11 + D 21 7T

KOOK

Western DX Continued.

Gene Webb also sends along an interesting bit of info clipped from his local paper. It says that during the week of Jan. 20th the U.S. 1st Cavalry Div. in Seoul, Korea announced that they have been picking up the Seattle sheriff's office's broadcasts, some 7,500 miles away.. across the pacific..and that they have been coming in loud and clear for the past several weeks. Thanks for clipping Gene.

Edwin Shrey of Derby Kansas, logged 2 new this time bringing his total to 180..nice going! Dec. 24, WFIL-6, WMAR-2, WTTG-5, all skip. Dec. 28, KBCI-2 and KUTV-2 by skip. Jan. 3, WMAR-2, KDKA-2, WGR-2, WROC-5, WJBK-2, WDSM-6, WTWS-5, all trop. Jan. 4, KNAC-5, Jan. 5, WMAR-2, by ~~xxxxx~~ skip, and Jan. 21, KHOL-13 by trop. Jan. 9, KSTP 5 by ms..new..Jan. 12, WTVN-6 by ms..new. See rest of ms in Carl Luptons column.

Question: Do they sell G.W. Sugar where you live? If so write me Please

Lawrence Crawford of Malin, Oregon, sends in his first report, saying that DX in general has been very poor..little ms..but no ID's. Lawrence also says to tell you that if any of you want a AIPA report sheet, he has made up some 150 copies of same, and will be glad to give one to anyone who writes to him...address..Box 411, Malin, Ore. This is very nice of you Lawrence. I hope to get a good report from you soon..Lots of luck DX wise.

Norris Doyle of Pittsburg, Calif. says he thinks it is wasting a report sheet to send in his three ID's for the month. DON'T ever feel that way, Norris...Three reports are better than none..so keep sending them. Dec. 24, KOOK-2 by skip, and unid skip on ch. 2-3-4. Jan. 1, KOOK-2 by ms. Jan. 3, no ID's by skip on ch. 2-3-4-5-6-.

Jan. 5, ch. 2...Ghosty..pic..audio from ham in Alaska..THIS was no doubt F2...Norris..Jan. 8, CKCK-2. Better luck next time! Norris and his wife are planning and studying for their ham license..Sounds like fun. (I agree with you about Gordon...he's tops.)

Ray O'rear of Zillah, Washington, sends in the news that ch. 31 in Kenwick Wash. will begin telecasting Jan. 28. Ray logged the following for this period: Jan. 3..KEBC and on Jan. 4 he had stations on ch. 2,3, and 4. In the first week of Jan. he reports receiving hams on ch. 2 from New York area...and could see a picture in the back ground..of a test pattern..and a station on the air. This was F2 Ray..from the East Coast..too bad you couldn't ID anything.

Gene Webb tells me that KIRO-7 in Seattle, Wn., will be on the air soon. Thanks for info Gene.

Ed Hepp of Portland, Ore., sends in his bag for this period, with 4 new...bringing his total up to 81 logged. Jan. 1, KTVK-3 KLRJ-2, KNXT-2 KRCA-4, KEYT-3. all skip. Jan. 3. Ms shower noted..(Please note that else where..skip was noted for this day..but Ed and I seem to be the only ones to have gotten Ms instead...????Jan. 4, CKCW-2 NEW 2,900 miles..WGR-2 NEW, Possible WTWO-2, and WGBH-2 and many 6 meter hams heard on ch. 2...all by F2..Jan. 5, WGR-2, CKCW-2, and many N.E. U.S. 6 meter hams with exc. signals all by F2. Jan. 7, WCBS-2 NEW, by F2..Jan. 8, WCBS-2, CKCW-2 by F2, Jan. 9, KDKA-2 NEW, by F2, Jan. 10, F2 traces ~~///~~ Eastern U.S. Jan. 25, aurora traces...Real nice report, Ed...I can take lots more of this F2..can't you??Hi. Ed took alot of pictures of his F2..and one of CKCW-2 and of WGR-2 call letters came out pretty good..considering how all the rest of his ..and mine came out..due to the extreme ghosty pictures on the screen. It seems that many of you who got F2...during the first week or so of Jan. did not know that was what you were getting. Too bad as perhaps you could have tried a little harder to ID something. Of course I would not have known it was F2 right off the bat..if I hadn't have been lucky enough to have had such a excellent teacher..as Gordon S.. Best of luck to all of you..DX wise..see you next month.

73's Dee Johnson

"Meteor Scatter Editor" Conducted by Carl Lupton, Shelbyville, Ill.

Billy Draeb, Kewaunee, Wis; -- Dec. 23rd, WSB2, WMAR2; 28th, WTAR3, KARK4; 29th, WCBS2; 31st, KBNC4; Jan. 5, WCBS2; 7th, WBT3, WSAV3, WFMY2; 8th, WSB2; 15th, WCBS2, WGR2, WMAR2, WFMY2; 16th, WTAR3, WFMY2, WMAR2; 18th, KVOO2; 19th, WCBS2, WTAR3; 20th, WCBS2, WSB2, WMAR2; 24th WMAR2. A good report, Bill.

King Schafer, Kenmore, N. Y. - Dec 28, KYW3; Jan 4, WTWO2, WBBM2, WTVJ4, WKY4, WLBT3; 5th, WMT2; 6th, WRBL4; 10th, WSM4; 11th, KVOO2; 14th, WBRZ2; 17th, KARK4; 18th, WCYB5; 21st, WMAR2, WRGP3; 22nd, KOTV6. Short but good, King, keep it up.

Dick Nieman, Buffalo, N. Y. - Dec 21, WMAR2, WLW-D2; 6th, KDIX2; 17th, WSM4; Nov. 23, KRGP3; Jan 3, WSAZ3; 1st, KARK4, WRBL4.

John Cody, Middletown, Conn. - Jan 2, WCIA3, WISC3, KDLO3; 3rd, WRGP3, WCIA3, KDAL3, KGLO3; 4th, WCYB5, WAVE3, KDAL3; 5th, WCIA3, WAVE3; 6th, WCYB5, WCIA3, KDLO3; 7th, WCIA3, KDAL3, WRGP3, WTTV4; 8th, WCYB5, WMCT5, WCIA3, KGLO3, KDAL3; 9th, KARD3, KDAL3, WCIA3, KGLO3; 10th, KDAL3, WCIA3; 11th, WAVE3, KDAL3, KYTV3; 12th, WCIA3, KDAL3, WKZO3. A new-comer for me, is John, so keep the next Editor busy.

Barney Rauch, Peoria, Ill. - Dec 19, WGR2, WCBS2; 20th, WMAR2, WGR2; 21st, WCBS2, WSYR3, WGR2, WMAR2, KPRC2, WRC4, WTAR3; 22nd, WCBS2, WGR2; 23rd, WMAR2, KPRC2, WCBS2, KMID2; 24th, WSYR3, KPRC2, WDAR4, KRLD4; 25th, WCBS2, WSYR3, WMAR2, KPRC2, 26th, WRC4, WKY4, WMAR2, WSYR3; 27th, WMAR2, WSYR3, WGR2; 28th, WCBS2, WSYR3, KPRC2, 29th, WCBS2, KTVR2, WGR2, WSYR3, WMAR2; 30th, WCBS2, WMAR2; 31st, WGR2, WCBS2, WMAR2; Jan 1, WRC4, WSYR3, WMAR2, WGR2, KPRC2, KTVR2, 2nd, WRC4, WKY4, WMAR2; 3rd, WCBS2, WMAR2, WRC4, WSYR3, WBT3, KPRC2, WESH2; 4th, WGR2, WCBS2, WRC4; 6th, WCBS2; 7th, WRC4, WMAR2; 8th, WCBS2, WMAR2, WSYR3; 9th, WCBS2, KYW3, WSYR3; 10th, WMAR2, WRC4, 11th, WCBS2; 12th, WCBS2, WMAR2, WRC4, WBZ4, WTAR3; 13th, WCBS2, WRC4; 14th, WCBS2, WMAR2, KPRC2; 15th, WMAR2, WCBS2, WSYR3; 16th, WCBS2, WSYR3, WMAR2, WRC4; 17th, WGR2, WSCS2, WSYR3, KPRC2; 18th, WCBS2, KTV\$2, KPRC2; 19th, WSYR3, WMAR2, WCBS2; 20th, WMAR2, WSCS2. Doin' OK, B.J.

Bill Nieman, Buffalo, N. Y. - Dec 30, WSAZ3; 25th, WSM4; Jan 2, KARK4; 7th, WRBL4. A good start, Bill, you'll catch on, hi.

Ed Prond, Delton, Ill. Another newcomer for our column; Jan 21, WMAR2, WCBS2, 25th, WGR2. Keep it up, Ed, it comes easy once started.

Ed Shorey, Derby, Kan. - Dec, 26th, WBAY2; Jan 1, WJBK2, WBBM2; 2nd, WBBM; 3rd, WJBK2, WHIS6; 5th, WJBK2; 6th, WBBM2; 9th, KSTP5; 12th WTVN6, WJBF6; 14th, WMFD6; 19th, WBBM, WTAR3; 23rd, WTAR3, WFBM6, 24th, WBBM2. Nice viewing, Ed, don't stop now.

Norm Erint, Kenmore, N.Y. - Dec 27th, WRBL4; 28th, WCBS; 30th, WBZ4, WBB, 2, WMT2, WRBL4; Jan 1, WBBM2, WRBL4, KARK4, 3rd, WCBS2, WLW-D2, WBBM2, WAGA5; 4th, WTWO2, WLW-D2; 7th, WRGP3, WRBL4; 9th, WRHL4; 14th, WSM4, WRBL4, KVOO2; 15th, KARK4, WRBL4; 17th, WSM4; 20th, WSM4, WRBL4; 21st, WDBO6, WRBL4; 22nd, WLW-D2, WTAR3, WBBM2, WRBL4, WMBR4, KARK4; 24th, WFBM6. Norm lists 4 new for this month.

Bob Seybold, Dunkirk, N. Y. - Dec. 26th, WBBM2, KARD3, KYTV3; 30th, WMT2, WTAR3, WKY4, KYTV3; Jan 2, WBBM2, WMT2, WLBT3, WKY4, KYTV3; 3rd, WKY4, WDAF4; 4th, KARD3, KWK4, WRBL4, KDLO3; 7th, WRBL4, WKY4, KARK4, WDAF4; 8th, KARK4, WKY4, KYTV3; 10th, WRBL4, KARK4, KDLO3, KGLO3; 13th WDAF4, KARK4, KTBS3; 15th, WCBS2, KARK4, KYTV3, WKY4; 17th, WKY4; 21st KARK4; 27th, KARK4, WRBL4. Bob is still troubled with antenna set up

As mentioned in the previous Bulletin, I am unable to continue as MS Editor. I won't go into detail as to why, except to state that equipment trouble seems to be the main cause, but another member has consented to do the honors. So, all reports concerning MS DX reports will go to James Howarth, 84 Mower St., Worcester, Mass. May I take this opportunity to thank each member for their support and help, while I was Editor. May he and she extend the same to our successor. cfl.

Walker Ray, Baton Rouge, La. --Dec12, tropo, KPAC4(new). He receives KPAC4 often now. Also other tropo under 200 miles on occasions.

Frank Wheeler, Erie, Pa. --Dec30, tropo, WOOD8 WHI07 WNEM5; Dec31, tropo, WJIM6 WNEM5; Dec30-31, Northern Lights also, 6:30-7:30AM EST; Jan12, WSPD13; Jan13, 23, tropo, WJIM6 WNEM5; Jan3, Es, CJCB4(new) CBHT3(your mystery, Frank). His log now at 95 stations.

Richard Nieman, Buffalo, N.Y. --Dec15, WTEN10; Dec17, Ms, WSM4; Dec6, Ms, KDIX2; Nov23, WRGP3(Ms); Dec19, Es, KGE05; Dec21, Ms, WMAR2 WLWD2; Dec27, tropo, WCHS8 WHTN13; Jan1, Ms, KARK4 WRBL4; Jan3, Es, KMID2 KFDX3, Ms, WSA Z3; Jan12, WINR40; Jan13, tropo, WKZO3; Jan19, tropo, WFIL6 WGAL8; Aug3, WNEM5(all above new). His log now at 69 stations. Other tropo to 225 miles on occasions.

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Bill Nieman, Buffalo, N.Y. --Dec23, WSEE35; Dec25, Ms, WSM4(new); Dec27, tropo, WTRF7 WCHS8(new) WSTV9 WFBG10 WHTN13(new); Dec30, Es, WTHS2(new), Ms, WSA Z3 (new); Jan3, Es, KMID2(new); Jan2, Ms, KARK4(new); Jan7, Ms, WRBL4(new); Jan11, WTEN10(new); Jan12, WINR40(new); Jan13, tropo, WKZO3(new); Jan19, tropo, WFIL6 WGAL8(both new); Jan20, WII611. His log now at 64 with 14 new.

King Schafer, Dec27, tropo, WHTN13 WCHS8; Dec30, WEAR3 CJON6(new); Jan3, Es, KFDX3 KMID2 KARD3 CKCW2 CBHT3; Jan12, tropo, UHF, WKBN27 WFMJ21 WINR40 WBRE28 WDAU22. His log now at 226 with 2 new.

Norm Ernt, Kenmore, N.Y. --Jan3, Es, KFDX KMID2 CBHT3. His log now at 150 stations received to date.

Billy Dreab, Kewaunee, Wisc --Dec22, tropo, WISH8 WLWI13 WTHI10 WANE15 WKJG33 WSBT34; Dec27, tropo, WLWI13 WISH8; Jan3, Es, KPRC2 WBRZ2 KTBS3 WOAI4 KRLD4 KALB5 KFDX3 KFDM6 KPAC4(new); Jan13, tropo, these new: WKOW27 WMBD31 WTVH19 WEEK43; other UHF to 268 miles; ie, WKJG33 etc; Jan14, WKOW27 WMTV33; Jan15, WSBT34; Jan22, UHF tropo, WMTV33 WKOW27. His log at 135 with 6 new.

B. H. Rauch, Peoria, Ill. --Dec19, tropo, WFEM6 WKZO3 KRNT8 KCRG9 WH013 WISC3; Dec20, tropo, WKZO3 & 200 mile tropo; Dec21, 22, tropo, 200 miles, WLWI13 etc; Dec23, WKZO3 WTTV4 WTMJ4; Dec24, WIMA35(new) WBLN15; Es, WTW02; Dec26, 27, 29, tropo, 325 miles, WAVE3 WMT2 etc; Jan1, 4, 6, 7, 8, 9, 12, 17, tropo, 325 miles, WKZO3 KMBC9 WTHI10 KSTF12 WISN12 WH013 WLWI13 etc; Jan11, KFEQ2; Jan3, Ms, WBTV3(new); Jan15, 18, tropo, 200 miles, KOMU8 WTVW7 WISH8 etc. E skip on Dec24, 28 & Jan3, unided. His log now at 245 with 3 new.

Bryan Rawlings, Montreal, Quebec --(all tropo, unless noted) --Dec24, 25, WCNV7; Dec28, Ms, WOSC5; Dec30, WCNV7; Dec31, WCNV7. WHEN8 CKWS11; Jan7, WSYR3; Jan12, CKWS11; Jan13, WSYR3 CKWS11; Dec14, WSYR3 CKWS11; Jan16, Ms, WTMJ4; Jan19, Ms, WRA15(new); Jan21, strong aurora 1 DX, no Ids; Jan23, WSYR3 CKWS11. Log 41.

B. J. Bingham, Festus, Mo. --Jan1, tropo, WREC3; Jan3, KTVQ3 KMBC9; Jan4, tropo, WLWI13 WISH8 WHBQ13 KTHV11; Jan5, WCPO9 KTTS10 WGN9 KDRO6; Jan18, KMBC9 KFEQ WLWI13 WREC3 KTTS10 WPSD6 WHBQ13 WISH8; Jan22, KMBC9; Jan23, 350 miles, WGN9 WILL12 WTTW11 WCL3 WHBQ13 KTHV11 WLWI13 WPSD6 WISH8; Jan24, WMGT5. Log 157.

Harry Webster, East Jordan, Mich. --Jan3, Es, KMID2 KRLD4 KFDX3 KVOG2(new); Jan17, tropo, WOC6(new) WLWI13 WWJ4; Jan18, Es, WBRZ2; tropo, WBAY2; Jan19, tropo, WBNS10(new) WBAY2 WFRV5; Jan21, tropo, WKZO3 WOOD8 WDSM6(new); Jan23, tropo, WBAY2 WMBV11 WJIM6 WNEM5 WEAU13; Es, KOA4(new); Jan25, tropo, CJIC2 WBAY2 WFRV5 WTMJ4. His log now at 40 with 5 new.

Ed Prond, Dolton, Ill. --Jan10, WJIM6 WJEK2; Jan25, WLWD2, all new. His log now at 73 stations, 16 states.

Ronald Boyd, Truro, Nova Scotia --Dec27, Es, WGR2 WGBH2(new) KDKA2 WSA Z3 WUSN2; Dec28, Es, WUSN2; Dec30, Es, WNEM5(new) WJBK2; Dec31, aurora, WSYR3; Jan3, Es, WTTV4 WEWS5 WFBM6 WWJ4(new) WKZO3 WJIM6(new) WGR2 WTVN6(new); Jan1, Es, WBBM2. His log at 63 stations with 5 new.

Continued....next page.....

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Eastern DX Column...Continued....

Carlton Howington, Homestead Fla. ---Dec 30, Es, WKZO3 WBAY2 (both new) WLWD2 WBBM2 (new); Jan 2, Es, WCIA 3 (new); Jan 3, Es, WLWD2; Jan 11, Xez3 (new); Jan 15, Es, KYW3 KDKA 2 & these new: WTIC 3 WGR2; Jan 17, unided E skip; Jan 20, trop, WCTV6; Jan 21, WFGA 12; Jan 22, trop, WCTV6 WESH2.

Stanley Penc, Utica, N. Y. ---Dec 30, Ms, WMT2; Es, KRLD4 WBRZ2 WLBT3; Jan 3, Ms, WCBS2 WMAR2; Es, CKCW2 (new). His log now at 115 stations to date.

Carl Lupton, Shelbyville, Ill. ---reports a very poor DX month, only KTHV11 logged in good on one morning and that was it for January.

Bob Seybold, Dunkirk, N. Y. ---Jan 3, Es, KFEQ2 KMID2 KCKT2 KVOG2 KFDX3 WKY4 KYTV3 KARD3 KCMO5 KSYD6 KCSJ5 CKCW2 CBHT3 CJCB4; Jan 12, trop, WOOD8 WKZO3; Jan 13, trop, UHF, WANEL5 WNDU16 WXIX19 WKJG33 WSBT34 WEEK43 WSJV52 WTVS56 WKNX57 WKAR60 WKOW27 & these new: WPTA 21 WMTV33 WHA 21; Jan 24, good trop to north, CKNX8 etc. Verie in from WPTA 21.

Clarence Rareshide, New Orleans, La. ---Jan 1, Es, CBFT 2 WGR2 WCBS2; Jan 3, Ms, WJBK2; trop, KPRC 2; Jan 4, Ms, WHBF 4; Jan 11, Es, CMKU2 CMBF 3 CMEF 5 (new); Jan 16, trop, KPRC 2; Jan 17, Es, XEW2 XEZ3 XHGC 5; Jan 18, KPRC 2; Jan 26, Ms, WMT2; Jan 27, trop, WJDM7 WAIQ2. His log now at 211 stations, 1 new.

John Broomall, Due West, South Carolina (new member) ---Dec 17, Es, WGBH2; Dec 18, Es, KTCA 2 KDLO3 WMT2 KTVR2; Dec 19, Es, WGBH2 KOTA 3 KFEC 5; Dec 20, Es, KCKT2 KTCA 2; Dec 21, Ms, WGR2; Dec 24, Ms, KTCA 2; Jan 16, Ms, WBBM2 CMQ2; Jan 17, Ms, WGBH2; Dec 18, Ms, WCBS2 WJBK2; Jan 20, trop, WCYB5; Jan 21, Es, CMQ2 WKAQ2; Jan 22, Ms, WCBS2; Jan 23, Es, KTCA 2 CBFT2; trop, WRAL5; Jan 24, Ms, KNXT2; Jan 25, Ms, WBBM2. His log now at 71 stations, logged to date.

A special note of interest from new member, John Broomall---

Hello DXers:

I am certainly glad to be joining the AIPA since I am very much interested in TV DX. For the past 2 years I have been DXing with a 1955 Console Bendix 21 inch television, a GDR AR22 rotor, and a Taco Trapper antenna 48' above ground level. I do not use any boosters.

If any of you AIPA "old timers" have any suggestions or advice, I would be glad to receive it.

If you have any extra back copies of AIPA bulletins, I would be glad to pay you ten cents apiece for them. (Please write me before you send them, to avoid duplication).

I have received 71 stations from 22 states and 3 foreign countries in 2 years of Dxing including 19 on channel 2.

A grand welcome to our organization John. Best of luck.

Welcome also goes out to Thomas Hidley of Chicago, Illinois. He has a 50' tower and has logged 32 TV stations to date.

John Black of Moffat, Ontario-Canada reports only one new station to his log lately, that being WBUF ch17 Buffalo. He recently added a BTU-2 converter (2 tube) to his receiving outfit.

Co-Channel Interference Column--conducted by Bedford Brown, Room 411,  
(notice room number), The Goodall Wooten, 2116 Guadalupe, Austin, Texas

Delinquent List

Bryan Raylings, 4376 Wilson Avenue, Montreal, Quebec, Canada, reports the following delinquents: WSYR, WHEN, WDSM, WUSN, WCSC, and WRGP. If anyone has received a verie from any of these within the past year, would you please let Bryan know the signer's name by sending a post card. The old signers on WDSM, WUSN, WCSC, and WRGP, from 1956 apparently don't work, since they were on the delinquent list last time.

Unidentified Programs(All time is Eastern Standard Time.)

John Parillo, 400 South Market Street, Girard, Ohio

1. Dec. 30 5:47pm ch.3 Lynn Toney Show followed by announcement about Echlos Weather; in a western direction. (No.2 was from south)
2. Dec. 30 6:00pm ch.2 a man explaining what looked like a satellite-so.

Jim Dillon, 1110 Edphinstone Street, Regina, Saskatchewan, Canada

1. Jan. 3 6:00 pm ch.6-Liberace Show, preceded by a western or a cartoon which ended at 6:00pm. (Friday) Direction was southeast.

Morris Foote, Box 153, Middleton, Idaho

1. Jan. 3 3:50pm ch.4 Indian-head tp with no id, audio was music.
2. Jan. 16 12:00noon ch.2 audio-"Socrates used this atom tracer to seal"
3. Jan. 14 5:15pm ch.4-audio-"Bob Hope show tonight at 8:00 on ch.4)"
4. Jan. 23 11:55am ch.2-newscast mentioned labor trouble at Wheatland. There are cities named Wheatland in Wyoming and Pennsylvania-Bedford.

Morris also mentioned some very interesting reception which will possibly be in the Western Dx column this month. If not, I will mention it next time. The reception concerned ghostly channel 2 plus some mysterious channel seven reception.

Bryan Rawlings, 4376 Wilson Avenue, Montreal, Quebec, Canada

1. Dec. 21 8:36-9:00am ch.5-RTMA test pattern and tone-Saturday
2. Dec. 21 8:49-and-8:59am ch.5-color bars (Could it be WCYB??..Bedford)
3. Dec. 23 7:30-8:00am ch.2-Bull's eye tp and tone like WSYR WTAR KARK WKY KDAL WBTW etc.

4. Dec. 23 7:55am ch.2-Color bars and tone

5. Dec. 26 9:40am ch.3-slide "NBC Television"

6. ~~Dec.~~ Jan. 2 6:32am ch.2-Bull's eye tp like no. 3 W\_\_-TV

7. Jan. 2 6:32am ch.2 (Bo 6:46am) Indian-head test pattern-no audio

8. Jan. 2 7:02 and 7:21am ch.2 Slide ruled into about 8 squares, each one a different shade of gray.

9. Jan. 2 7:24am ch.2 tp was very small circle in center of screen (possibly the same pattern as Ray Escoffier's no. 4 in the Sept. bulletin.

10. Jan. 18 7:41am ch.2-same as number 3-on a Saturday

11. Jan. 18 7:55-8:00am ch.2 tp-lots of white-call in center like WCBS-TV with tone.

12. Jan. 18 8:06am ch.2-slide and tone---slide seems to be all gray-on a Saturday.

13. Jan. 18 8:25-9am ch.5 ch.5 RTMA tp-Saturday.

Saturdays-8:15 to 9:15am ch.5 same as no. 8

NOTE\*\*\* In Bryan's report he listed the time for number 1. as 8:36 to 7:00 am, but I presumed that he meant 9:00am. Also for number 13 he listed the time as from 8:25 to 6:00am. I presume that he meant 9:00 in this case also.

As you can see, reports diminish during the off-season; and I certainly do want to thank those of you who take the time and trouble to send them in. All reports of any nature, unidentified programs, delinquents, etc., are appreciated at all times.

It appears at this time that I shall work at White Sands Proving Grounds Meteorology Department this summer instead of the Little Rock Weather Bureau, as I had originally planned. There won't be any time for dxing out there, but perhaps I shall be able to obtain some information for the A.I.P.A. on the atmosphere, stratosphere, or ionosphere. I still do not know what access I shall have to this information. 73's for now, Bedford