

## AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

ART COLLINS \* PRES.

TV \* DX

KING SCHAFFER-V. PRES.

68 Amber St.  
Buffalo 20, N.Y.360 Zimmerman Blvd.  
Kenmore 17, N. Y.

Vol. 7 No.10

October 6, 1960

A.I.P.A. BULLETIN. Published first week of each month, 12 issues a year MEMBERSHIP..\$3.00 per year, Entitles one to monthly bulletin, report forms, membership card, and miscellaneous items.  
Canadian Membership \$3.25 Foreign \$5.00 Payable to Pres.

## EDITORIAL.....

With the convention just a memory, and the DX on the wane the month of October signals the end of another DX season. Our 1960 Es was under par compared to former years, but the tropics was equal to none. You may disagree, but I put this season as for results, in a class with the famous year of 1954! However lets not slam the door on 1960 yet, or at least only halfway. There still may be a few suprise openings in store for us, and you can always count on some brief Es during late December. To keep the DXing "hot", we always suggest around this time to be alert for Ms. You can add stations to your log in the Winter too, but it just requires more exacting efforts on the video DXers part.

Although rather late, the entire AIPA staff wishes to thank NRCer (National Radio Club) member C.M. Stanbery for mentioning the AIPA in his DX article which appeared in "RADIO TV Experimenter" Spring-Summer edition. Such publicity is of prime importance to our organization, being our major source of membership enlargement.

On page 9 of Sept. "DXing Horizons" appeared an installment article by Bob Cooper on the touchy subject of verifications. In my personal opinion this article is a primary step (in the right direction) towards working out a sensible solution to the verie problem. Over the years the innocent: sounding verie has promoted more ill will then all other contended aspects of our hobby combined! Lets all hope some constructive results can at long last be reached on this problem. Even with such strong and diverse opinions many of us hold on this topic, I can however see no logical reason to hold the situation as utterly hopeless!

Speaking again of the time of year, the problem we always face during the slow months is the lack of material our editors receive for publication. Of course we don't expect robust mid-June like reports, but even a lil puny report is better then none Hi! So if you can muster the time, don't forget your bulletin editors come those long Winter evenings.

A big welcome goes out to veteran DXer Frank Wheeler of Erie, Pa. on the appearence of his new column to our bulletin. Another welcome is also out to Ferdinand Dombrowaki of Okauchee Wis. our new IDX editor. We may be also saying hello to an new FM editor this month, also but at date, I don't have this info available. Especially with these new editors, we again ask for membership support.

Keep those sets going

Best DX 73's

King Schafer

TELEVISION DX RECORDS CHANNEL 3

STANDINGS OF ACTIVE MEMBERS

CALL	LOCATION	DATE	DIST.
KTVK	Phoenix, Ariz.		1920 RN
*KIEM	Eureka, Cal.		2000 FH
KCRA	Sacramento, Cal.	5/18/57	1455 ER
KEYT	Santa Barbara	5/16/55	1390 ER
WTIC	Hartford, Conn.	6/8/58	1355 ES
WEAR	Pensacola, Fla.		2050 RC
WEDU	Tampa, Fla.		1400 Jp1
WSAV	Savannah, Ga.	5/5/58	1300 GG
KID	Idaho Falls, Id.		1378 LV
*WGIA	Champaign, Ill.	10/6/59	1500 JG
KGLO	Mason City, Ia.		1650 RC
KARD	Wichita, Kans.		1500 GG
WAVE	Louisville, Ky.		2100 RC
KTBS	Shreveport, La.	7/26/57	1800 DJ
WKZO	Kalamazoo, Mich.		2050 RC
KDAL	Duluth, Minn.		2000 RC
WLBT	Jackson, Miss.		EH 1900 RC
KTVO	Kirksville, Mo.	12/26/58	1500 DJ
KYTV	Springfield, MO.	7/-/57	1600 DJ
KMTV	Omaha, Neb. (DJ)	6/-/58	1400 ND
WSYR	Syracuse, N.Y.	5/15/55	1175 ES
WBTW	Charolette, N.C.	6/-/56	1100 GG
KYW	Cleveland, O.	12/11/56	2150 DJ
WRCV	Philadelphia, Pa.	2/1/55	1200 ES
KDLO	Florence, S.D.		1400 DR
KOTA	Rapid City, S.D.	8/8/58	1370 JA
WRGP	Chatanooga, Tenn.	6/-/56	1250 GG
*WREC	Memphis, Tenn.	7/30/58	1850 DJ
KBTX	Bryan, Tex.	6/14/57	1580 JD
KPDX	Wichita Falls T.	7/-/57	1500 DJ
WGAX	Burlington, Vt.	6/10/55	1375 ES
WSVA	Harrisonburg, Va.	5/12/55	1010 ES
WTAR	Norfolk, Va.		2400 RC
WSAZ	Huntington, W.VA.	4/-/57	2200 DJ
WISC	Madison, Wisc.	7/24/57	1550 DJ
KMAU	Wailuku, Hawaii		2700 GS
CFRN	Edmonton, Alta.		1800 BJ
CBHT	Halifax, N. S.		3100 RC
CKVR	Barrie, Ont.	6/19/57	1425 JD
CJBR	Rimouski, Queb.	7/-/60	1600 Jp1
CBWT	Winnepeg, Man.	6/8/58	984 FW
CKOS	Yorkton, Sask.		1250 RC
PRF3	Sao Paulo	6/28/57	6500 PC
CMQ	Holguin	7/21/57	2700 DJ
CMH	Santa Clara		1800 DJ
TGBOL	Guatemala City	8/7/57	2500 RC
*XEFB	Monterray, Mex.		1100 Jp1
*XEM	Mexicali, B.C.		1400 Jp1
XEZ	Queretaro, Gro.		1970 RC
CMBF	Havana Cuba	6/27/59	1225 JPa

1. B. Brown	Ark.	348
2. F. Hill	Ohio	291
3. D. Bourgeois	La.	276
4. D. Janowiak	Wisc.	261
5. R. Nieman	N.Y.	259
6. B. Draeb	Wisc.	256
7. J. Bingham	Mo.	256
8. B. Eckberg	Ill.	214
9. B. Meers	Ky.	212
10. E. Rugal	Kans.	210
11. N. Erint	N.Y.	207
12. K. Neal	Tex.	206
13. B. Nieman	N.Y.	204
14. F. Dombrowski	Wisc.	203
15. G. Olson	Ill.	177
16. D. Ruland	Fla.	171
17. J. Parillo	Ohio	170
18. D. Johnson	Wash.	146
19. T. Hidley	Ill.	140
20. F. Wheeler	Pa.	139
21. R. Hilding	Ariz.	125
22. J. Pirck	Mo.	125
23. R. Walker	La.	122
24. R. Berg	Va.	120
25. W. Spaulding	Ohio	107
26. R. Bergen	Ky.	102
27. D. Kanarr	N.Y.	101
28. D. Smith	Cal.	98
29. G. Pomeroy	Kans.	96
30. C. Wood	Oreg.	94
31. J. Dillon	Sask.	86
32. R. Foster, Jr.	La.	81
33. D. Webb	Mass.	69
34. G. Simkin	Id.	68
35. A. Preston	Cal.	44
36. J. Dyckman	Ohio	10

Average Log-161  
Best gain-D. Kanarr-32 stations.

Channel Record Holders:(3 only)  
D. Johnson & R. Cooper-11.  
E. Shorey-5. G. Girard-4. E. Rugal, J. Dillon,(J.(Pirck-4)  
B. J. Bingham-2. R. Nieman,  
L. Vehorn, J. Grover, J. Abercrombie, F. Hill, F. Wheeler, P. Cox, D. Ruland, N. Doyle, E. Hepp, J. Parillo, all 1.

These totals and records are taken from past Pulletins and letters received by me.

\*New Records.

(2)  
Channel Records Broken

CMKU	Santiago Cuba	7/8/57	1300 GS
KENI	Anchorage Alaska	9/7/59	2600 FD
WTHS	Miami, Fla.		1300 Jp1

Send me your 4-6 records and total Station records by Oct. 25. Send any Ch. 2 or 3 records you have broken.  
FRANK WHEELER BOX 176, R.D.5 ERIE, PA.

AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

FCC NEWS

(RED STAR \* denotes subscription is up.)

Oct. 6, 1960.

APPLICATIONS.

FCC GRANTS...

Ch 10 (Ed.) Portland, Ore. 31.6-15.8Kw.  
 Ch 13 Flagstaff, Ariz. 1.78Kw. 955Watts.  
 Ch 22 Ft. Smith, Ark. 8.8Kw- 4.89 Kw.  
 Ch 34 Salina, Kan. 6.92Kw- 3.89Kw.

Ch 4 Washington, D.C. 100&50Kws.  
 Ch 8 Petersburg, Va. 316-158Kw.  
 Ch 18 Midland, Tex. 66 - 33.8 Kw.  
 Ch 62 Allen Park, Mich. 18Kw-9.84

Call Letters assigned \* changes.

WLBW-TV in Miami, Fla.  
 KEZI-TV ch 9 Eugene, Ore.  
 KGTW(TV) ch 10 Pocatello, Idaho.

WICD(TV) ch 24 Danville, Ill from  
 WDAN-TV.  
 KTVT-TV ch 11 Ft. Worth, Tex. from  
 KFJZ-TV.

KGIN-TV ch 11 Grand Isl. Nebraska, a 275 watt to be a satellite of  
 KOLN-TV Lincoln, Neb.

WTVT(TV) Tampa, Fla. was off the air for 12 hours - "Donna" blew roof  
 off the transmitter house.

CFCN-TV Calgary, Alta. Canada ch 4 went on the air Sept 4th.

A experimental Stratovision plane is now telecasting educational pro-  
 grams to some 5 million students in some 13,000 schools in 6 states.  
 The plane is operating over the Purdue University, Ill. area.

\*\*\*\*\*

Welcome to two new members-- Carl (Skip) Dabelstein KOSBV 1712 B St.  
 Omaha 8, Neb.  
 Harvey DeCamp 3016 Bancroft.  
 San Diego 4, Calif.

George Pelich 44 Spruce St. Lawrence, Mass

(George will welcome letters from other members, especially those  
 who can help him in building his own antenna.)

Welcome to the re-newals of Charles Ashcom, Detroit, Mich. Charles  
 recently erected a new Winegard CL4-X antenna at my suggestion and  
 is very pleased with it.

Ron Hilding of Salt Lake City, Utah. starts his 4th year.

Art Friese, Jr. White Plains, N.Y. for his 2nd year. Thanks for the  
 phone calls, letters etc. (Art Calls by phone as regular as  
 Tom Hidley of Chicago, Ill.)

Phil Jacobs of Montreal, Que. has a new Webcor Tape recorder 3 speed,  
 all size reels, Phil now can tape a perfect message to you !! Hi.

Members who buy tape recorders etc... Please let me know-- We wish more  
 members could afford to have one, it's a wonderful way to bring you  
 closer to your fellow members.

Dave Janowek 4312 So. 47th St. Milwaukee, Wis. will be your new  
 FM Editor. We are confident that Dave will do a bang-up job, and he is  
 now in need of your support. I want to thank the other members who so  
 willingly offered to conduct this column-- James Hughes, Albert Kopec &  
 John Dyckman, Thanks loads fellows.

Tom Hidley mails us photos of the Chicago convention group taken at  
 Opyd's Ball Room, the photo and article appeared in a Chicago local news  
 paper. Tom has another article going in "The Review" paper there. Nice  
 going Tom.... The AIPA gets plenty of mention in all these articles.

Thanks to Dennis Smith of Merced Hall- 802 Font Blvd. Room 634B of  
 San Francisco 27, Calif. (new address) for the tape on which (3)  
 members had such nice things to say-- Dave Crockett, Dennis, Allen Preston

NOTICE.... Ferdinand S. Dombrowski 1335 Road B Okauchee, Wis our new  
 IDX Editor will need support from our members in this column....  
 (send him any, and all info you can.)

ART COLLINS.

"RANK COLUMN"

October 1960

by Walter W. Spaulding

Hello everyone. Letters this month from B.J. Bingham, Frank Wheeler, Frank Hill, G. Olson, Dave Janowick, Donald Ruland, Jim Pirch. Well first from B.J. Bingham a very good listing.

VHF 238 UHF 16 Total 254

Longest reception CH. 2 to 6

CHCT 2	Malgary, Alt. Can.	1460 mile	XEZ 3	Quaretaro, Mex	1300 mi.
CKCW 2	Moncton, N.B.	1420	KID 3	Idaho Falls	1300
KBOI 2	Boise, Idaho	1400	KTVK 3	Phoenix, Ariz	1310
KLRJ 2	Las Vegas, Nev.	1400	KXLF 4	Butte, Mont.	1350
XEW 2	Mexico City	1400	CMBF 4	Havana, Cuba	1300
CMAB 2	Havana, Cuba	1300	KTVT 4	Salt Lake City, U	1200
CKCK 2	Regina, Sask.	1300	WTVJ 4	Miami, Fla.	1200
WLBZ 2	Bangon, Ma.	1300	KSL 5	Salt Lake City	1200
CFRN 3	Edmonton, Alta.	1510	KTLE 6	Pocatello, Idaho	1315
CBHT 3	Halifax, Nova S.	1420	CMQ 6	Havana, Cuba	1300
CJBR 3	Rinowski, Que.	1320	KUAT 6	Tucson, Ariz.	1300
CMH 3	Sauta Clara, Cuba	1400	WCSH 6	Portland, Ma.	1240
CMKJ 3	Holgun, Cuba	1400			

Longest reception 7 to 13

EPIC 7	Lake Charles, La.	710 mi.	WFAA 8	Dallas, Texas	650
WNCT 9	Greenville, N.C.	765	KLFY 10	Lafayette, La.	710
CFPL 10	London, Ont.	740	WFBG 10	Altoona, Pa.	725
KFJZ 11	Ft. Worth, Tex.	660	WBOY 12	Clarksburg, W. Va.	600
WVUE 13	New Orleans, La.	710			

UHF WKOW 27 WMTV 33 Madison, Wisc. 450 miles

Number of Countries logged 4 USA Cuba Canada Mexico

Number of states logged 41 Number of provinces logged 7

Number of veries by photo 204 by letter 211

Stations logged from Canada 11 Cuba 5 Mexico 3

The following are a list of station by tropo over 500 miles

WJBK 2 Detroit 500 WBAY 2 Green Bay 500 WSAZ 3 Charleston 520  
 KDAL 3 Duluth 750 KDLO 3 Florence 620 KYW 3 Cleveland 550 KRLD 4 600  
 WWJ Detroit 500 WFRV 5 Green Bay 550 WEWS 5 Cleveland 550  
 WDMJ 6 Marquette 750 WJAC 6 Johnstown 700 WDSU 6 New Orleans 700  
 KPLC 7 Lake Charles 700 WDBJ 7 Roanoke 600 WBRC 6 Birmingham 500  
 WTIQ 7 Munford 500 WXYZ 7 Detroit 500 WSAU 7 Wausau 580 WTRF 7 590  
 WFAA 8 Dallas 600 WJW 8 Cleveland 550 WCHS 8 Charleston 550  
 WKBT 8 La Crosse 500 WOOD 8 Grand Rapids 500 KNOE 8 Monroe 500  
 WNCT 9 Greenville 765 WSTV 9 Stubenville 590 CFPL 10 London 720  
 KLFY 10 Lafayette 700 WSLS 10 Roanoke 600 WFBG 10 Altoona 720  
 WILX 10 Lansing 500 WIIC 11 Pittsburgh 640 KFJZ 11 Ft. Worth 610  
 WLWA 11 Atlanta 510 KELO 11 Sioux Falls 500 WTOK 11 Meridan 510  
 WTCN 11 St. Paul 600 WICU 12 Erie 700 WBOY Clarksburg 600 WJRT 12  
 Flint 540 KSLA 12 Shreveport 505 WVUE 13 New Orleans 700 WWTW 13  
 C. dallie 600 WEAU 13 Eau Claire 570 KHOL 13 Kearney 500 WHTN 13  
 Huntington 500

Frank Wheeler from Erie sent in a few Verie signers. Thanks for the nice letter Frank

KGNC TV 4 Amarillo, Texas Verie Card Signer W.H. Torrey C.E. their address is Box 751 Amarillo, Texas

WVET TV 10 Rochester, N.Y. Large verie card signer Ray address Veterans Broadcasting Co. Inc. 17 Clinton So. Rochester 4 N.Y.

WTHS TV 2 Miami Florida Letter verie and also card both signed by Herb Evans Address 1410 N.E. Second Ave. Miami 32 Florida

WCPO TV 9 Cincinnati, Ohio card verie Signer Paul Adams C.E. address 2345 Symmes St. Cincinnati

Well cask comes off this Tuesday Oct 4 but I probably will need a walking cask on. I hope not.

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

RANK COLUMN

October 1960

by Walter W. Spaulding

Frank Hill very good report. Congratulations to Frank on being a Grandfather again. His oldest daughter has 2 now. Girls Number of stations received 291 (most of them verified). Dist. of Col. and 46 states received and verified by mail Number of provinces 3 Number of Countries 6 Best low band CUT 2 2120 miles Best hi band W1WV 13 875 miles No UHF. Oldest verie KFEL now KTVR 2 May 13, 1954

Best Ch. 3- KIEM 2000 miles Best Ch. 4 HIT 4 1950 Best Ch. 5 KPHO 5 1950 miles Best Ch. 6 KOIN 6 2000 miles

Channel 5 Weston bother you much Frank comes in good here

Dave Janowick from Wisc. has a very good report

Ch. 2	30 sta.	Best KYVU KOTI	1725 miles	ES	9/4/60
Ch. 3	35 sta.	Best KEYT	1730 miles	ES	6/10/57
Ch. 4	31 sta.	Best KTUT	1270 miles	ES	6/21/57
Ch. 5	23 sta.	Best KSL KRGV	1270 & 1300	ES	6/11/57
Ch. 6	20 sta.	Best KRIS	1160	ES	6/21/57
Ch. 7	11 sta.	Best KOAM	520 miles	Tr	8/8/59
Ch. 8	10 sta.	Best KOMC	650 miles	TR.	8/1/60
Ch. 9	3 sta.	Best KMBC	450 miles	Tr	6/30/58
Ch. 10	15 sta.	Best KTIEN	770 miles	Tr	6/30/58
Ch. 11	11 sta.	Best KTHV	620 miles	Tr	8/8/57
Ch. 12	8 sta.	Best KVS0	800 miles	Tr	6/30/58
Ch. 13	9 sta.	Best W1WV	480 miles	Tr	6/30/58

UHF 34 sta. WUP 450 WSEE 430 9/5/58

Best MS 1300 miles Best ES 1800 miles Best Tropo 800 miles

Shortest ES 400 miles WAVE 3 Shortest MS 300 miles KTCA 3

12 Tropo over 100 miles Log at 202 44 states 41 logged via MS

Donald Rulant Holly Hill Florida reports

Ch. 2	25 Sta.	25 verified	WSP	300 miles	best tropo	WLBZ	1315	ES
Ch. 3	31 sta.	28 verified	WEAR	380 mi.	TR.	CHHT	1440	ES
Ch. 4	29 sta.	24 verified	KGFT	1035	TR.	CHHT	1400	ni. ES
Ch. 5	27 sta.	25 verified	KRGV	1050	Tr.	KPIX	2430	ES
Ch. 6	18 sta.	18 verified	WDSU	540 mi.	TR.	WLUC	1200	ni. ES
Ch. 7	10 sta.	10 verified	KTBC	935	miles	TR.		
Ch. 8	5 stations	5 verif	WISH	785	miles	TR.		
Ch. 9	4 sta.	4 verified	WNCT	500	miles	TR.		
Ch. 10	7 sta.	7 verified	KZTV	1000	miles	Tr.		
Ch. 11	6 sta.	6 verified	KHOU	850	miles	Tr.		
Ch. 12	6 sta.	6 verified	KONO	1035	miles	Tr.		
Ch. 13	3 Sta.	3 verified	KTRK	850	miles	Tr.		

Donalds average mileage is 793 and each it is as follows Ch. 2 876

Ch. 3 938 Ch. 4 912 Ch. 5 945 Ch. 6 791 Ch. 7 457 Ch. 8 479

Ch. 9 314 Ch. 10 543 Ch. 11 428 Ch. 12 409 Ch. 13 451

Jim Pirch has the below TP information

RCA Wedge--KOMU 8 KARK 4 KRNT 8 WHO 13 KPJZ 11 WGEM 10 WGR 2 WFMY 2 WGDH 2 WTHI 10 KWTV 9 KOD 4 WEAR 3 WTTV 4 WMT 2 WSYR 3 WKY 4 WJAC 6 WCNY 7 WTRF 7 WMAL 7 WHEN 3 WVET 10 WPTV 3 KDAL 3 WSM 4 WTMJ 4 WAVE 3 KCRA 3 KNTV 11 KTTV 11 WHDF 4 WSAU 7

~~WHP 3 WJAX 3 WJIM 6 WOOD 8 WIIC 11 KPLR 11 WLBT 3 KOTA 3 KCMO 5~~

IHTPW KFDX/3 WJIM/6 WOOD/8 WIIC/11 KPLR/11 WLBT/3 KOTA/3 KCMO/5

KMOS/6 WAP/5 KRLD/4 WOC/6 WOW/6 KPDM/6 KFEQ/2 WTMJ/4 KMTV/3 KTTT/10

KTBC/7 WPRM/6 KETC/9 W1WV/13

IHTP KVOO/2 CKSO/5 CILT/6 WMCT WFRV/5 WATE/6 KCEN/6 KSD/5 KTDS/3

KARD/3 KYTV/3 WSAV/3 KTVI/2 KATV/7 KODE/12 KTLA/5 KPIX/5 KHJ/9

KCOP/13 KOAM/7 KAKE/10 KTUL/8 KMBC/9 WDAF/4 KTHV/11

RETMA KPRC/2 KTCA/2 WSAZ/3 WAGA/5 WJBF/6 KTVH/12 KTVO/3 KTIV/4

WJBF/6 KEYT/3 KQED/9 KERO/10 WFAA/8 WUNC/4 ADC TP KABC/7 KGO/7

Rest nex t month

Albert J. Kopec, Himrod, N.Y.---Dec.4 Es WWL-4 WAIQ-2 WESH-2; June8, WTHS-2; June17, WJXT-4 WAIQ-2 WKRQ-5 WRBL-4; July3, KPRC-2; July6, KRLD-4 WTSH-2 WTVJ-4 WESH-2. His log is now at 81.

John C. Dyckman, Canfield, Ohio---Has been getting very good results on the ISW band and did not have much time for TV DX.

Mrs. W.E. Burritt, Waterloo, N.Y.---Aug.25, TROPS, WTVD-11 WTOL-11 WBAL-11, WSPD-13 WTOP-9; Aug.26, WJZ-13 WBAL-11; Aug.27, WCBS-2 WCAU-10 WNEW-5; Aug.29, WCBS-2 WJAC-6; Sept.6, WFBG-10 WTOP-9 WCPO-9; Sept.17, KDKA-2; Sept19, WMT-2 via Es or Ms. Log is now at 96 with 7 new on the high band.

Art Friese,---June28, TROPS, WAVY-10 WXEX-8; June29, WJZ-13 WFIL-6; June30, WCAU-10 WBZ-4 WRC-4; July4, WRGB-6; July9, WRCV-3 WNBF-12 WHDH-5 WBAL-11 WTAR-3; July10, WTOP-9; July30, WHEN-8; Aug.6, WPRO-12 WJAR-10; Aug.16, WSYR-3; Es, July2, CMQ-6 CMQ-3; July3, WBRC-6 WLBT-3.

Thomas J. Hidley, Chicago, Ill.---Sept.1, TROPS, WICS-20 WEEK-43 WNDU-16 WSBT-22 WMBD-31 WCHU-33 WFAM-18; Sept.2, WMTV-33 WSJV-28; Sept.3, WKRC-12 Sept.5, KMOX-4 WCPO-9; Sept.6, WHAS-11; Sept.7, WFIE-14; Sept.9, WEAU-13; Sept.21, KPLR-11 KQTV-21. His log is now at 140 with 31 UHF.

John Parillo, Girard, Ohio,--- All are TROPS, Aug."5, WNEM-5 WAVY-10 WILX-10 WHTN-13; Aug.27, WJPB-5 WJIM-6 WILX-10 WNEM-5 WJRT-12 WNBQ-5 WFBM-6 CKVR-3 CBLT-6; Sept.1, WANE-15 WSEE-35 WIMA-35 WNDU-16 WILX-10; Sept.4, WAVY-10 WKZO-3 WOOD-8 WFBM-6 WSLS-10 WJRT-12 WJIM-6 WHTN-13. His log is now at 170.

Richard Nieman, Buffalo, N.Y.---Sept.6, Es, KARD-3; TROPS, Sept.3, WWTV-13; WLWI-13 WBNS-10 WFBM-6 WGN-9 WMSB-10; Sept.4, WSLS-10 WAVY-10; Sept.6, WGN-9 WHIO-7 WBKB-7 WISH-8; Sept.25, WITN-7 (520 miles) WNCT-9 (515miles) WXEX-8. log is now at 262 with 3 new.

B.J. Bingham, Festus, Mo,---All are trops, Sept.6, WISN-12 WMVS-10 WREX-13 WBKB-7 WGN-9 WNBQ-5 WBBM-2; Sept.8, WCPO-9 WLWT-5 KFEQ-2 WMT-2; Sept.19, KODE-12 KOAM-7 KETV-7; Sept.20, KRNT-8 WHO-13 KWWL-7 KCRG-9 KMMT-6 KCRO-10 WEAU-13 (600 miles) WKBT-8 WOC-6 WSAU-7 WITI-6 WISN-12 WREX-13 WMT-2; Sept.21, WBAY-2 WITI-6 WEAU-13 WWTV-13 WXYZ-7 WOOD-8 WTVC-9 WTOL-11 WCPO-9 WKRC-12 KMBC-9 WBKB-7 WGN-9 WBBM-2; Sept.26, KTHV-11 KATV-7 KOAM-7 WMCT-5 WSIX-8 WDXI-7 WLAC-5 WREC-3. Glad to see you back at the dials B.J.

Ed Prond, Dolton, Ill.--- All trops, March31, KLON-10; May31, WCHU-33 June20, WMVS-10; July21, WEHT-50 WKYT-27; Aug.8, KPCG-13. His log is now at 136. He has his new 60 foot crank up tower, with a pair of 10 element high banders plus low band antenna.

Frank Wheeler, Erie, Pa.---Sept.6, WCPO-9 TROPS WILX-10 WNEM-5 WWTV-13 WJIM-6 WMSB-10; Sept.7, WSYR-3 WLWC-4 WNEM-5; Sept.8, WNBC-4 WLWC-4; Sept.25, WFIL-6; Sept.3, WILX-10 WNEM-5 WBNS-10 WWTV-13 WJIM-6 WCPO-9 WMSB-10; Sept.4, WNBF-12. Aurora on Sept. 4 & 5 on channel 2-6. His log is now at 138 with 1 new.

Norm Erint, Kenmore, N.Y.---TROPS, Aug.26, WGAL-8 WSLS-10 WJZ-13 WXEX-8 WAVY-10 WBAL-11 WFIL-6 WRCV-3 WCAU-10; Sept.4, WDBJ-7 WCAU-10 WSLS-10; Sept.6, WBKB-7 WLWC-4 WHIO-7 WBNS-10 WLWI-13 WNBQ-5 WISH-8 WKZO-3 WCPO-9. His log is now at 209.

Frank Hill, Gallipolis, Ohio---On Aug. 3 caught WECT-6 NEW out of Wilmington, N.C. in a heavy fog. Nothing else in that area was showing. Must have been a very narrow trops duct-Bill...

Bill Eckberg, Walnut, Ill.---TROPS Aug.29, KOLN-10; Aug.31, KELO-11 WTCN-11 KSOO-13; Sept.4, KMBC-9 KTTS-10 KOLN-10 KELO-11; Sept.29, KSOO-13 WTCN-11 KMSP-9 WHA-21 KQTV-21 KELO-11 WDSM-6 WCCO-4 KETV-7 KCMO-5. His log is now at 215 with 1 new.

## THE IMMENSITY OF SPACE

At this present time UFO reports are on the increase, according to many localized press accounts. Ground Observers through out the country are constantly being alerted, and many Air Force and Naval air bases are on the 24 hour alert. Forms recently issued by the Air Force Filter center have de-emphasized reporting instructions for some types of aircraft, but at the same time emphasized reporting procedure for UFO observation. All Navy pilots have been advised to report immediately any UFO observations, but are cautioned not to speak of these sightings in public. (SEE: SCULLY p. 22,30,137, 159-160.(Miller p. 127.

Flying over the Himalayas, the pilots in a plane saw a bright object whirl and circle them several times at great speeds. Suddenly their motors stopped, instruments froze, and they felt as though they were suspended in mid-air. Circling a few times more, the objects zoomed away, and with its departure, their instruments began operating, the engine coughed, and their hair standing on end flattened down again, and they were able to proceed. Similar occurrences took place many times in other places in the world. (SEE: SCULLY, p.175-176.

Many reports of saucers are explained by an organization known as "Project Blue Book", one of the latest of several organized by the Armed Forces. For example, balloons at sunset appear as fire balls,

Aerial tanker planes at high altitude at night have flood lights directed on them from the bottom of planes invisible to the naked eye, which light them up for refueling B-47 Jet Bombers; or planes too high up to be seen distinctly reflect sun light and appear as silver spheres. After thorough investigation 15 to 20 % of UFO's are unidentified or explained. Evidently our friends in the flying saucers want us to have faith that they do exist, and the facts can be found in many books in Public Libraries, and Archives of History, dating back several centuries. The material available on this type of unexplained phenomena fills volumes, and to merely list them would be impossible. The majority of it seems to be in astronomical magazines, and records in observatories all over the world. A bibliography would require a volume in itself to list all the astronomical reference; and some of the series publications have been in existence for hundreds of years. (SEE:following references. Edward J. Ruppelt, inside story of the Saucers. Science Digest XXXIX April 1956 p. 37-39 passim. Edith Hermit Roosevelt, "Those Flying Saucers Again", American Mercury, LXXXIII( Sept.1956 p.155. Adamski and Leslie p. 13-14.

Some of the Space minded folks like ourselves are constantly on the alert for new TV Stations, also newideas concerning better gear, that all may be better at TV D' xing.

You may have heard of people that are never satisfied, Yes, this is true to some extent. But when individuals get too well satisfied, then the wheels of progress stop. Nothing to look forward to. 'Brother'! we have come to the end of the line. The majority moves forward, always for something better, that is why the AIPA has been a great success, and you will find that most members of our organization are in step with the times. We now extend a welcome to all that are interested in this unusual hobby. Join the ranks of a live wire DX Club.

With kindness regards to all.

Thomas J. Hidley

"TV CORNER". 'HO, HUM'

"I hear Sam Tweedle turned down his divinity degree". Yeah!, he didn't want to be called; Teewdle; D. D."

6117 N. Canfield Ave.,

Chicago 31, Illinois

"Your AIPA Monthly Meteor Scatter Column"

Conducted by: Billy Draeb Ellis Street Kewaunee, Wisconsin

Not too many reports recieved this month as you will see in a minute. Here they are--

Bill Pagel, Glen Ellyn, Ill. --- May 31st WWL-4; June 7th WCBS-2; June 15th WKY-4; June 17th WCBS-2, WKY-4; June 19th WCBS-2, WLWD-2; June 26th WKY-4, KRLD-4; Aug. 2nd WCBS-2; Aug. 14th WCBS-2, WWL-4, WKY-4; Aug. 25th WCBS-2, WBZ-4; Aug. 26th WBZ-4. An excellent report Bill.

Bill Draeb, Kewaunee, Wis. --- Sept. 21st CKCK-2.

Yes, even I didn't see much in the line of Ms this month mostly because I was looking for tropo which was very profitable. I saw four new ones this past month. They were KDPS-11(371mi), KPLR-11(440mi), WSIX-8(585 mi) and KNOX-10(530) which I have verified. My log now stands at 260.

Well, I sure hope Ms is a little better next month as I am running out of things to think of to put in this column other than reports. To make sure I'll get some reports next month and in the months to come I am going to start an MS CONTEST WITH A \$5.00 JACKPOT. ### It will run from October 15, 1960 until and including May 15, 1961 which is a total of 7 months. The rules are as follows:

Count each station you see via Ms every day you see it. You may only count a station once the day you see it no matter how many bursts you see from that station. This is only true for one day as you may count it again(the same station) if you see it another day. Here are the point values for each channel:

- chs. 2,3&4 in the 500-999mi. range give yourself 1 point for each station seen each day.
- chs. 2,3&4 in the 1000-1199mi. " " " 2 " (s) " "
- chs. 2,3&4 in the 1200-1299mi. " " " 3 " " " " "
- chs. 2,3&4 in the #### 1300mi plus" " " 4 " " " " "
- chs. ##5&6 the points are as follows: 2 points for each station in the 500-999mi range; 3 points for each station in the 1000-1199mi range; 4 points for 1200mi plus reception each day on chs. 5&6 for each station.

For the Hi-band chs.7,8,9&10 give yourself 5 points for each station recieved in the 500-750mi range each day.

For the Hi-band chs.7,8,9&10 give yourself 6 " " " "

For the Hi-band chs.7,8,9&10 give yourself 7 " " " "

For the Hi-band chs.11,12&13 give yourself 8 "" " " "

For the Hi--band chs.11,12&13 give yourself 9 " " " "

For the Hi-band chs.11,12&13 give yourself 10 " " " "

If anyone is extreemly fortunate to get and identify any UHF channel via Ms give yourself 100 points regardless of the distance. By the way if I haven't mentioned it all of and each of these stations has to be positively identified but not verified. Send your total points to me each month for publication in the bulletin and be sure to keep accurat



Pvt. John Cody

I Co., USASCS,  
Fort Monmouth, N.J.

### The Hows and Whys of Aurora

Aurora is a type of propagation little understood by most dxers, yet in many locations it is very frequent during certain months. It is very easy to identify on a tv set. The picture is characterized by a strong, erratic fluttering such as an airplane causes and also wavy lines and bars blotting out the picture so that even a very strong signal is hard to identify. A good indication of aurora is a weak, wavy flutter on your local low band stations. The audio will have a growling, squealing effect which is characteristic of aurora.

Aurora frequently goes up to channel six and will propagate high band signals far more often than sporadic-E, but less than meteor scatter. The distance covered by aurora ranges from a couple hundred to about fourteen hundred miles ordinarily, but it ranges up to a few thousand miles at times. One way of doing this is have one hop via aurora and another via sporadic-E or MS. There is also another type of extended aurora which is not yet understood. For an excellent article on this newly discovered propagation mode, read "Hams on Ice" in the Jan. 1960 issue of QST, which can be bought from the American Radio Relay League, West Hartford, Conn.

Aurora centers around the magnetic poles, thus it increases in strength as you go north. For Canadians, it is possibly the most frequent type of dx available. For the northern U.S., it is common during the Fall and Spring. The South however, gets practically no aurora at all. The Fall and especially Spring are excellent for this type; the rest of the year is poor for aurora. It usually peaks at 0200 and 1800. Naturally 0200 would be best because most of your locals are off by then (except around here, hi!). When you notice aurora make a note of the date and watch again about twenty-seven days later for it is closely related to the sun spot cycle. The reason aurora is so hard to identify is that a tremendous amount of noise and interference come from the aurora along with the signal, making it very hard to identify.

The most popular theory on aurora is that many "ribbons" of ionization are formed around the magnetic poles. Ionization from the sun is very intense about the poles because they are the center of the earth's magnetic field. These ions form along the earth's lines of flux, forming these ribbons. Since the ribbons are not all at the same distance from the transmitter, the reflected signals will be constantly fading in and out because of phase relationships. The noise which usually covers up the signals is thought to be generated by the aurora itself. The intense bombardment from the sun acts as a trigger to generate this noise.

Trying to receive aurora without modifications is quite a feat, and is one which I don't recommend. All you need to get aurora successfully is a SW receiver, signal generator, or SW oscillator. It should have a wide tuning range, for each channel has a separate frequency. Place it next to the TV set and the audio improves. As you change channels, change the receiver frequency for each channel, write it down so you won't have to find the freq. again. What the receiver does is to tune out the video by oscillating on its IF frequency. This knocks down a lot of the noise on the audio section of the channel. Following this method should yield favorable results. If not, it will at least familiarize you with one of the many interesting forms of DX and you going after the summer skip session is over.

keep

\*\*\*

=====  
AT DEAD LINE.... Bob Cooper of DXing HORIZONS magazine is planning a two week tour of the East early in October, He will visit Tom Hidley, and others in route here. Us Buffalo members are to meet Bob at the Buffalo Airport and have about an hour visit with him. The trip is a business one, but Bob very much wishes to meet some of the AIPA'ers while in route.

ART COLLINS.

Well, the old IDX column has a new editor once again. I hope I can do as well as my predecessors. One thing for sure, I'm a lousy typer. I goofed twice already in the heading.

Since there isn't any European DX to report, I'll be devoting most of this column to NEWS of foreign stations. I'll use the British magazine "Wireless World" quite a bit since it is an excellent source of such information. I'll probably have other news from various media including "Radio Japan News" but YOU will have to help out with any and all news you hear. Our members outside the USA can be particularly helpful so let us hear from you.

TELEVISION is growing fast and furious overseas and in our own hemisphere. Some of these countries have already discovered the problem of too few channels to go around. UHF is in its infancy in Europe and in Brazil. Great Britain and West Germany are contemplating moving all TV to the higher band, and so is the USA.

The American Broadcasting Co. and the "Bartell family of stations" are helping to build TV in Latin America so we should see more TV from our immediate neighbors in the coming years. # 3 Bartell financed stations have gone on the air already, and Ecuador's first, HCJB-TV in Quito is said to have begun telecasts in 1959. I haven't heard a thing about it this year yet--can any of you fill me in?

Speaking of our Latin American friends, I'll put in an unsolicited plug here for Bedford Brown's plea that we learn the Spanish alphabet. It's easy and you never know when you'll need it. I learned it several years ago out of a Spanish primer and believe me it's really come in handy on the BCB, TV, Short wave and even FM. Spanish language TV has been seen in Washington state, Wisconsin (me), and N.Y. so it can come in almost anywhere in the 48. Has any Canadian seen Mexico or Cuba?

In this part of the column each month I will list the month's TV news from abroad, alphabetically listed by country. Since this is my first column I'll put in all this miscellaneous jazz I've had on hand for a while, as well as the latest news I have.

**BRAZIL:** a channel 2 station in Recife with an ERP of 110 kw has been completely furnished (with eqpt. that is) by Marconi, a British TV supplier, at a cost of \$725,000. I think the station is already on the air but I'm not sure. The owner is the "Jornal du Comercio" and no call is given.

**Britain:** there are now 10,650,000 TV receivers in the Isles. The BBC opened its new West London "Television Centre" on 29 June. Only one studio is operating at present but more are under construction.

The commercial network ITA is forging ahead with plans for stations in the Channel Islands, Northern Ireland, etc. The "T.V. Advisory Committee" has again recommended that the CCIR 625 line system be adopted by Great Britain but the problem is still far from being solved. "WIRELESS WORLD" still favors the 405 line system, at least for the present, because of the great expense and inconvenience to the public that would be caused by such a move. "WW" argues that the improvement would be only slight, and others advocate that when such a move is taken, (and it is inevitable), that Britain should go whole hog and establish an even better system than the present CCIR and go to 1000 lines, and this sounds

Oct. 1960

711.5-2479  
WESTERN DX

Dee Johnson  
146 Maddock Pl.  
Longview, Wash.,

Ron Hilding, of (352 University St. Salt Lake City 2, Utah.) note new address..... July 27, KTVU-2/July 30, ???-2/KOOK-2/KDIX-2/KHPL-6/KXJB-4/KTVI-2/KREM-2/July 31, WBRZ-2/Aug. 1, KTVI-2/KMOX-4/WHBF-4/KFEQ-2/WOC-6/WMT-2/KPRC-2/KVOO-2/KTVR-2/Aug. 2, KDIX-2/KNOP-2/Aug. 3 KVOO-2/XEWO-2 NEW/on Aug. 4, / Aug. 5, KTVI-2/KFEQ-2/WCBS-2 tent/Aug. 7, KTVI-2/KFEQ-2/Aug. 8, KVOO-2/KYTV-3/.

Jim Dillon of 2787 West 32nd Ave. ,Vancouver 8, BC..also a new address. reports..total to date...6. CBUT-2/KVOS-12/CKEK-6/KING-5/KOMO-4/KIRO-7/

Jim Pirsch of Richmond, Mo., logged only 3 new stations this month. via tropes Sept. 20, WREX-13 new/WISC-3 new/WSAU-7 new/KROC-10/WHBF-4/WOC-6/KRNT-8/WHO-13/KFVS-12/WMT-2/KTHV-12/..total to date..125.

Morris Foote of Middleton, Idaho, reports...Aug. 1, WOAI-4/Aug. 3, KMID-2/KVOO-2/Aug. 5, KVOO-2/Aug. 13, KVOO-2/KFEQ-2/WMT-2/Aug. 14, KGLO-3/WCCO-4/ Aug. 15, WKY-4/KVOO-2/West Texas ch.2/WDAF-4/KARD-3/Aug. 16, ch.4 from Kansas/Aug. 17, unid ch.7/Aug. 18, KROD-4/WOW-6/KCMO-5/"WDAF-4/Aug. 19, KTIV-4/Iowa ch.5/Aug. 31, KREX-5<sup>SW</sup>Sept. 1, Sporadic E ..all low band..none ided. Sept. 4, ch. 5 and 6 weak signs of aurora dx.Sept 6, unid ch. 7 by ms/Sept. 11, unid ch. 7 by ms/Sept. 14, unid ch. 9 by tropes/West texas ch. 2 by ms/Sept. 15, unid ch. 8 by ms/Sept. 17, WMT-2/Sept. 20, WMT-2/KDLO-3/unid ch.10 by tropes and also one by ms/lots of ms on ch. 4-5-6/ Sept. 21, KTVR-2/KVOO-2/Sept. 26, KCKT-2/KNXT-2/

Ed Hepp's log reads from Tuscon, Arizona.....Aug. 25, WBRZ-2/Aug. 28, XEWO-2/ Aug. 30, XEW-2/ Sept. 11, KENS-~~11~~ 5/KRIS-6/XEZ-3/XEW-2/XEWO-2/KIVA-11 at 225 miles in daily..but weak.

D

Dennis Smith reports that he is at San Francisco State College this year..address..Merced Hall..802 Font Blvd., Room 634-B ..San Francisco Calif..he welcomes any and all tapes..he notes that MUF has gotten up to 36 Mc or so all day during daylight lately...hope it gets higher soon...

Interesting letter from Don Ruland of Florida..telling me all about "Donna"..the"BIG WIND"....Boy..what a mess..

Also a interesting letter from Frank Hill (will answer soon) Ron H., Dennis S., and a tape from Phil Jacabs..and a personal visit from Art.....I shall try to answer all letters soon..thanks for writing as I truly enjoy them all...

Charles Wood of Ashland, Oregon reports..July 28, KNXT-2/unid ETMA chart on ch.2/KOA/KTVR/ and KCSJ-5/new/KDUH/KOTA/KNXT/ also unid FM skip/ Aug. 1, KHSL/KCRA/tropes/~~KREX~~/Aug. 11, KTVU-2 by ms/Aug. 12, Very good tropes from Oregon/KOVR-13 310 miles by tropes for 3 hours/Aug. 13, KUTV by ms and KTVU/KRON/KGO/ Aug. 14, KDLO/KPLO/ weak skip/ and KDUH/KOTA/KBOI/KTWO/KTLE-6 new/KHPL/KID/unid ch.5/ Aug. 15, KTVU by ms/Aug. 20, KQB/KTVK/KVOA/ by Es.

Sorry the column is so brief and all this month..but I had no time to make it more newsy.....hope you understand..I shall try to liven it up more next month....Thanks to all who wrote..

Dee

(continued) Like an excellent idea to me. So much for Britain.

FRANCE: a new color TV system was demonstrated in London earlier this year in a closed-circuit telecast direct from Paris. The experimental French system utilizes "sequential chrominance" which I believe was the same as the old CBS incompatible system in limited use before the RCA compatible system was approved by the FCC in December, 1953. Excuse me, its called the NTSC syst.

JAPAN: this country after years of experiments with the CBS and then the NTSC color stems, has adopted the NTSC, and Japan claims to be the 3rd country to adopt regular color telecasts behind the USA and Cuba. Regular programs in color will be beamed from Tokyo and Osaka beginning in September.

NIGERIA: the first TV stations in central Africa began telecasting from ~~Abadan~~ Abafon and Ibadan late last year. Nigeria becomes independent of Britain on October 1st.

NORWAY: regular telecasts began from Oslo and Bergen 20 Aug. The Oslo station had been experimental several years.

RHODESIA: The "Federal B'C. Corp. Of Rhodesia & Nyasaland" has been advertising for some time in "WW" for an engineer to be stationed at a new TV station in Salisbury (to begin telecasts in November), and to supervise installations at other locations. That sounds like they have big plans for TV in the Federation.

NOTE: in the French news I forgot to mention that the color experiment was in the CCIR 625 lines system. Europeans generally agree that all color should use only one system standards! They've had enough grief with several black and white systems and they don't want it to happen again.

There are 680 TV stations in Europe, and approximately 211 of these went on the air in the past year. In the same period, 19 L.A., 67 Communist and 46 Far Eastern stations went on the air. World total outside the USA is now over 1000.

The EBU, ( European B'C. Union ), has proposed an 8mc channel instead of the present 7. ( The Communist system uses an 8 mc ch. now ). This greatly adds to the confusion in Britain over whether to adopt the 7mc, 8mc625 line system, or a 1000 line system, or keep its 405 lines "WW" has printed several letters recently from British TV-DXers. I'm going to write to the magazine, and maybe I'll get a few new reporters to this column and new AIPAcers, too.

The European TV frequencies fall generally in the following bands as defined by mutual agreement:

Band 1: 41-67mc.	Band 3: 174-216mc.	Band 5:
Band 2: 87-108mc(FM)	Band 4: 470-582mc.	606-800mc.

I've noticed British publications often refer to band numbers, including band 2, rather than calling them high, low and UHF as we do. The FM band is called either band 2 or simply "VHF".

I would like the starting dates of early Mexican and Cuban stations if anyone can provide them. I'm planning a list of the first TV stations in the world up to 1950 or so, starting with BBC in 1936.

I shall be using abbreviations in future issues as I have in this one. Some common ones will be: "WW" for Wireless World magazine; "LA" for Latin America; EBU, CCIR, NTSC and a number of foreign networks such as BBC, ITA, RTF(France), CBC(Canada), NHK(Japan), etc.

DEADLINE: about the 24th of each month.

--73's.

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

AIPA

FM DX

David Janowiak  
4312 South 47 St.  
Milwaukee, Wisc.

OCTOBER, 1960

First of all, I would like to thank our President, Art Collins for the opportunity to try my fortunes as FM editor. My efforts will be directed toward a continued well-edited column as well as an increased enthusiasm in FM & TV DX.

This column will carry, of course, the reports of FM DXer's. However, articles on wave propagation, antennae, receivers, tips, etc. are also in the planning stages. These articles should be of interest to both FM & TV DXer's alike. I sincerely hope that every AIPAer will follow this column, as well as every column in our fine bulletin. Due to the fact that I was informed of my duties at a late date, the first column will contain general sort of information.

FM reports for the past few months should be sent to the enclosed address: by the 23rd of each month. The 23rd should be the latest date of arrival here in Milwaukee. Because of college duties my spare time will be a bit scarce. I would appreciate your cooperation in keeping the deadline.

To quote a recent statement by a rather famous fellow, "I have dabbled in SW & BCB DX, but my main forte is TV DX." This statement might well have been my own. My efforts in SW, & BCB have been mere dabs. FM DX started only a few weeks ago. For this reason, I will be happy to accept any information concerned with FM, weather conditions and its effect on FM DX, reports on FM antennae and receivers, as well as newspaper clippings pertaining to the rise of FM will be greatly appreciated. Sign on/off times are also welcome.

It is my belief that about 75% of all club members have access to an FM receiver, I find it hard to believe that any club member would pass up any receiver, whether TV, FM, SW, or BCB, without a few probes into the unknown realm of radio wave DX. Let's all put in a few hours of FM DXing and log those two-three hundred milers. I was quite surprised to find out that FM DX provided a lot of fun and enjoyment.

I'm sure that we all remember our early days of TV DX, when we marvelled at a 180 mile trap "catch", or were fascinated by the first "E" skipper. Now, when our totals have swelled to 100, 200, or 300 stations, we look back on those days and still remember the joys of those early "hauls."

Let's let some of that enthusiasm for DX that I was so happy to witness at the 1960 convention bloom out in the 88-108 band. It might be a long "Skipless" winter, but let's see that the moss stays off the TV & FM dials.

#### TIE DOWN YOUR RIGS

The winter winds will soon be flowing in the areas of many DXer's. A check for rusty or kinked guy wire, a loose or corroded turnbuckle, or a broken lead-in should be a must for every DXer! Swinging transmission line or ice forming on the line can cause a loose connection at the antennae terminals. For this reason a mast stand-off should be placed as near the terminal as possible. A few pieces of tape could be employed to hold down the wire at the terminal. I am sure that you wouldn't want to scale an icy roof to repair a broken wire during a winter session.

73's

DAVE

Well; it happened...I broke my right arm playing touch football. When I was 17 years old (which was 26 years ago) I thought of giving up football but I stayed with it year after year, hence old grandpa (I am three times) has to suffer for trying to remain a kid. Guess I'll do like another "Old Buckeye", Lou Groza, and retire. Two sprained ankles and a broken wrist is enough so I'll hang up my cleats and say farewell to the old pig-skin. Hi! Incidentally I am left-handed.

I have always wanted an old radio in playing condition. I was fortunate enough to buy an old, old Eveready console recently and it plays well. It is an eight-tube job with a Toggle switch to turn it on with. The dial reads from 0 to 100. I don't know just how old it is but imagine it was new about the middle of Hoover's administration. I imagine about 1929-30 vintage or earlier. Anyone have any ideas?? It is a model 52, serial #C-23144.

TV Facts And Figures: NBC network

- May 12, 1937--RCA develops electronic "gun", making possible TV picture on 8 x 10 foot screen.
- Dec 12, 1937--Mobile TV vans first appear on streets of New York operated by RCA-NBC.
- Oct 20, 1938--David Sarnoff, president of RCA, announces TV sets to be sold to public at New York's World Fair opening April 30, 1939.
- Apr 30, 1939--Franklin D. Roosevelt first president to be seen on TV, over NBC.
- 1939--TV picked up in Schenectady, N.Y. from New York City at a distance of 130 miles (Notice: George Palmer of Australia..hi! George I believe you hold the world's DX record from England to Australia by F2..right??).
- Mar. 6, 1940--New York City televised from air first time by a plane equipped with RCA portable television transmitter.

Until next month,  
a big 73's

"The Old Buckeye"