

# American Ionospheric Propagation Association

"AIPA Leads the Way"

GRADY HARRIS-President  
2913 COLLEGE CIRCLE  
CORSICANA, TEXAS

MARCH, 1963

KING SCHAFER-Vice Pres.  
360 ZIMMERMAN BLVD.  
KENMORE 17, N.Y.

ADDRESS CORRESPONDENCE TO PRES.

WORLD WIDE FEE \$3.00

SAMPLE ISSUE 25¢

- PUBLISHED MONTHLY BY THE AIPA -

Members, I guess you've about given up on this one, but we've been doing the best we can (I use the editorial form of "we", this time no one shares the blame but me and the mimeograph machine). I said in the last issue the March issue would be put out about the middle of March, so that we could get caught up. We decided that since this is a more or less "off" time for the hobby, that if we had to double up on an issue to get caught up, we might as well do it in the summer when three issues in a month's time would be greatly appreciated, at least more than now.

Peter Koch is still doing the fine, great, and any other adjectives you can name, job. We have some simply beautiful report forms here, you get one when you make a report, send one in so you will get one next time.

This is the worst period, to my knowledge, that this club has seen. Let's don't be like the South in our idle claims to rise again, let's do it. We could if we had a handful more members like Peter Koch. We will, regardless of what happens, rise again. You may not think the scheduling of the issues of the bulletin are any indication, but this will not happen in the future. It has become apparent to me now, that it takes several days to mimeograph an issue of this bulletin. This is due to a number of reasons. These reasons form what is loosely termed a mimeograph machine. If you haven't had occasion to have contact with a mimeograph machine, mark it up as one of your blessings and go read your evening paper. If you have you probably saw a well engineered machine.

This is not to be confused with what is used to run off this bulletin. Art bought this machine out of his own pocket when this club was organized.

(con't)

The mimeograph machine has been called the "cornerstone of the radio club", not by me, but by C.M. Stanbury II. Our cornerstone is about to crumble. Do not get alarmed. The bulletin can be printed on it, it will be printed on it. The drawbacks are that the paper must be hand fed, peice by peice, into the machine. This makes it almost impossible to print one page of the bulletin in less than an hour, due also to the fact that the machine must be stopped, and the drum hand inked in the middle of each ~~run~~. This results in a loss of time, and ink, and in turn money. Take the term hand-linked lieterally, for a rag doesn't spread good, and too much ink is lost into the rag.

However, if the editors will get their stencils in to me by the 25th of this month, we can have the April issue in your hands by May 6. We will continue this schedule until about mid June or July, when we will get caught up by publishing an issue in the middle of the month, as was explained earlier.

The columns now in print will be continued, the bulletin will be published regularly as before. This delay was due to the fact that it took four successive nights to get this bulletin mimeographed. We are going to allow for this in the future.

Art has suggested that we make an appeal, an outright, sincere, appeal, to anyone who wants to, anyone who will, to contribute to a fund to buy a new mimeograph machine or have this one worked over. The lowest estimate I got for a workever was \$25.00, a ridiculous sum. If everyone contributed a dollar, some more, we could put this club back on its feet and in apple pie order. Why the sudden need? Its not. We've need a new machine for along time, and shipping it railway express was like running your grandmother on a fifty mile hike. We can make on this one, but reports will be dated somewhat. If you feel its worth it to you, contribute. Iam as much as I can, unfortunately I am unable to buy a new machine myself, if I was I would.

Please read this bulletin, it was work. Don't give up on us, we're going to rise with members like Peter Koch. I'm now on the trail of a vice-president. If I can find one, and we can get the mimeograph problem settled, with the help of Peter Koch, we will grow to be a foremost club. I'm sure this what we all want to see. I think its worth a dollar, I hope you do.

Let's have a convention location. Comw on guys, we've got one for '64, and the local Jaycees have offered to sponsor one here in '65. Don't count on it, but I did get a hearty offer from the vide-president last time I saw him. Get those reports in!!! Let's work to make this the best radio club (television) in America. We are a mimeority, let's make it a privilged minority. Some body needs membership cards, I'm a little confused in that department, let me know who does. I got some great clippings from B.J. Bingham. They're on the way B.J. If you've written and I haven't answered, don't hold it against me too hard, write again, I'm just getting caught up.

This summer I'm publishing some plans for a great homemade elaborate yagi antenna (single channel) you can build, hope we can get some reports on its performance. See you May 6. Take heart.

REVISED CH. 12 TELEVISION RECORDS

CALL	LOCATION	DIST.
WSFA	Montgomery, Ala.	800 AC
KVAR	Phoenix-Mesa, Ariz.	No Record
KHSL	Chico, Cal.	315 DSm
*XEW	Tijuan-San Diego, Cal.	250 DSm
WFGA	Jacksonville, Fla.	No Record
KFRE	Fresno, Cal.	100 DSm
WEAT	West Palm Beach, Fla.	No Record
WRDW	Augusta, Ga.	" "
KMVI	Wailuku, Hawaii	" "
WILL	Campaign, Ill.	288 BD
KTVH	Hutchinson-Wichita, Kans.	700 BD
KSLA	Shreveport, La.	505 BJB
WJRT	Flint, Mich.	540 BJB
*KEYC	Mankato, Minn.	575 BHa
WJTV	Jackson, Miss.	No Record
*KFVS	Cape Girardeau, Mo.	685 DN
KODE	Joplin, Mo.	640 BD
KBLI	Helena, Mont.	No Record
KUON	Lincoln, Neb.	535 BD
*KVER	Clovis, N. Mex.	325 BHa
WNBF	Binghamton, N. Y.	690 FD
WSJS	Winston-Salem, N. C.	500 AF
*KXMB	Bismarck, N. D.	935 GH
KOND	Pembina, N. D.	NO RECORD
WKRC	Cincinnati, Ohio	640 ER
KXII	Ardmore-Sherman, Okl. Tex.	No Rcd.
KPTV	Portland, Oreg.	" "
WICU	Erie, Pa.	650 BJB
WPRO	Providence, R. I.	380 NE
*WDEF	Chatanooga, Tenn.	705 BHa
*KBMT	Beaumont, Tex.	495 BHa
KONO	San Antonio, Tex.	1035 DR
*KPAR	Sweetwater, Tex.	305 BHa
WRVA	Richmond, Va.	375 RN
KVOS	Bellingham, Wash.	800 DJa
WBOY	Clarksburg, W. VA.	600 BJB
WISN	Milwaukee, Wisc.	700 BD
WOLE	Aguadella-Mayaquez, P.R.	No Record
CKAM	Campbellton, N. B.	" "
CBHT	1 Liverpool, N. S.	" "
CHEX	Petersborough, Ont.	458 BD
CKRS	Jonquierre, Queb.	No Record
*CFCE	Montreal, Quebec	252 JPz

CH. 12 Record Holders:

- B. Draeb-6
- B. Hauser-5
- BJ. Bingham-4
- D. Smith-3
- A. Coro, F. Dombrowski, D. Nieman,
- A. Friese, G. Harris, E. Rugal, N.
- Erint, D. Ruland, R. Nieman, D.
- Ruland, R. Nieman, D. Janowick, J.
- Pizza-1

\* New Since last listing.

Frank Wheeler  
6589 Wattsburg Road, Erie, Pa.

REVISED CH. 13 TELEVISION RECORDS.

CALL	LOCATION	DIST.	EXER
*WAFI	Birmingham, Ala.	585	ER
KOLD	Tucson, Ariz.	No Record	
KCOP	Los Angeles, Cal.	" "	
KOVR	Stockton, Cal.	220	DSm
*KRDO	Colorado, Spr. Co.	500	CD
WTVT	Tampa-St. Pete.	No Record	
WMAZ	Macon, Ga.	" "	
KHJK	Hilo, Hawaii	" "	
WREX	Rockford, Ill.	520	RN
*WLWI	Indianapolis, Ind.	680	BHa
*WHO	Des Moines, Iowa	350	DJa
WIBW	Topeka, Kans.	No Record	
KSLE	Monroe, La.	No Record	
WVUE	New Orleans, La.	710	BJB
WGAN	Portland, Me.	440	RN
*WJZ	Baltimore, Md.	470	BM
WWTW	Cadillac, Mich.	600	BJB
KRCG	Jefferson City, Mo.	480	BD
KMSO	Missoula, Mont.	No Record	
*KHOL	Kearney, Neb.	300	BHa
KSHO	Las Vegas, Nev.	No Record	
*WNTA	New York, N. Y.	350	DN
*KGGM	Albuquerque, N.M.	740	CD
WAST	Albany, N. Y.	425	CH
*WLOS	Asheville, N. C.	530	BHa
KXMC	Minot, N.D.	No Record	
*WLTW	Bowling Green Ky.	630	BHa
WZ7M	Grand Rps. Mich.	140	DSw
WSFD	Toledo, Ohio	278	BD
KETA	Oklahoma City, Ok.	No Record	
KVAL	Eugene, Oreg.	" "	
WQED	Pittsburg, Pa.	500	FD
*KSOO	Sioux Falls, S. D.	525	BHa
*WHBQ	Memphis, Tenn.	660	JFA
*KERA	Dallas, Tex.	255	BHa
*WKTW	Utica, N. Y.	1135	BB
KELF	El Paso, Tex.	No Record	
KTRK	Houston, Tex.	850	DR
*WHTN	Huntington, W. Va.	760	ER
*KDUB	Lubbock, Tex.	530	BB
*WVEC	Norfolk, Va.	325	AF
WLVA	Lynchbg.-Roanoke, Va.	No Rcd.	
KTVW	Tacoma, Wash.	" "	
WEAU	Eau Claire, Wisc.	630	AC
CHBC	Penticton, B. C.	325	DJb
CFCY	Charlottetown, PEI	No Rcd.	
CKCO	Kitchener, Ont.	350	CB
*CJOH	Ottawa, Ont. (TIE)	242	RN
*CKTM	Rivieres, QU.	175	GG DN

CH. 13 Record Holders:

- B. Hauser-6
- R. Nieman-3
- E. Rugal, BJ Bingham, B. Draeb,
- D. Nieman, B. Brown-2
- D. Janowiak, B. Meers, G.
- Howington, D. Swanson, F.
- Dombrowski, D. Ruland, A. Friese,
- A. Collins, D. Johnson, C. Bayes,
- G. Ghisolm, J. Parillo-1

FERDI NAN D S. D O MBRO WSKI  
IN TERNATIONAL column  
6 March, 1963      IDX

Ferdinand S. D ombrowski  
US55678955, 123rd Signal  
APO 36, New York, N.Y.

I'm a bit late but thank you for the Christmas cards, those of you who sent them. I was not able to answer all of them personally.

Continuing with the EBU list I have been Quoting:

EAST GERMANY: Berlin 5, 100kw; 29, 500kw.

Brocken 6, 100kw.  
Cottbus 4, 10kw.  
Duedede 21, 500kw.  
Dresden 10, 25kw.  
Gorlitz 7, 2kw.  
Helpterberg 3, 10kw.  
Inselberg 5, 100kw.  
Karl Marx Stadt 8, 80kw.  
Leipzig 9, 100kw.  
Marlow 8, 80kw.  
Schwerin 11, 100kw.

AUSTRIA: Gaisberg 8, 60kw.  
Hahnbaum 10, 1100 watts.  
Hauser-Kaibling 11, 10kw.  
Jamerling 2A, 60kw.  
Kleine Muehl 9, 10kw.  
Lichtenberg 6, 60kw.  
Patscherkofel 4, 60kw.  
Pfaender 5, 80kw.  
Pyramidenkogel 10, 30kw.  
Schoeckl 7, 60kw.  
Sonwendstein 10, 5kw.  
Vienna 5, 60kw; 24, 20kw.

BELGIUM: Aalter-Ruiselede 2, 100kw.  
Anlier 11, 10kw.  
Liege 3, 100kw.  
Waver 10, 100kw;  
Wavre 8, 100kw.

BYELLRUSSIA: USSR: Gomel R1, ---  
Minsk R3, 5kw.

BULGARIA: Sofia R7, 10kw.

CYPRUS: Nicosia E2, 1500 watts.

DENMARK: Aalborg 5, 15kw.

Aarhus 8, 10kw.  
Bornholm 5, 10kw.  
Fyn 3, 10kw.  
Copenhagen 4, 10kw.  
Sonderjylland 7, 60kw.  
Sydsjaelland 6, 60kw.  
Vestjylland 10, 60kw.

SPAIN: Alicante 3, 25kw.

Barcelona 4, 25kw.  
Gudalcanal 4, 60kw.  
Madrid 4, 2kw; 2, 200kw.  
Santiago 4, 60kw.  
Sollube/Bilbao 4, 60kw.  
Zaragoza-La Muela 3, 6kw.

FINLAND: Helsinki 6, 10kw.

Joutseno 10, 10kw.  
Jyväskylä 11, 10kw.  
Kuopio 7, 45kw.

Lahti 9, 40kw.

Lapua 5, 80kw.

Tampere 8, 80kw.

Turku 7, 45kw.

FRANCE: Ajaccio 4, 2kw.

Algiers 6, 5kw; 11, 20kw.

Amiens-Bouvigny 11, 200kw.  
Aurillac-La Bastide 11, 5kw.

Bastia 2, 1000 watts.

Besancon 4, 30kw/

Bordeaux 10, 25kw.

Bourges-Neuvy 9, 200kw.

Brest 8, 150kw.

Caen 2, 50kw.

Carcassone 4, 100kw.

Cherbourg 12, 16kw.

Clermont 6, 700kw.

Dijon 10, 7.5kw.

Gex-Mont Rond 7, 3kw xtr.

Le Havre 7, 1000 watts.

Le Mans 12, 100kw.

Lille 8A, 200kw.

Limoges 2, 200kw.

Lyon 12, 200kw.

Marseille 8, 200kw.

Metz 6, 200kw.

Mulhouse 8, 200kw.

Nantes 4, 300kw.

Niort 7, 300kw.

Oran 12, 5kw.

Paris 8A, 180kw; 28, 500 watts

Pic de l'Ours 6, 10kw.

Reims 5, 210kw.

Rennes 5, 450kw.

Rouen 10, 60kw.

Strasbourg 5, 20kw.

Toulouse 5, 20kw.

Troyes 2, 250kw.

Vannes 12, 10kw.

HUNGARY: Budapest R1, 150kw.

Kekes R8, 30kw.

Pecs R2, 2kw.

Szentes R11, 60kw.

Tokaj R 4, 2kw.

IRAQ: Salhija E8, 5kw.

LUXEMBOURG: Dudelange E7, 100kw.

MONACO: Monte Carlo 2, 50kw; 10, 50

NETHERLANDS: Den Helder 10, 1kwkw.

Goes 7, 5kw. Lopik 4, 100kw.

Markeld 7, 30kw.

Roermond 5, 50kw.

Smilde 6, 40kw.

73s from Wurzburg.....

A. I. P. A.

F.C.C. NEWS

Carlton Howington  
13880 Greenland Ave.  
Uniontown 1, Ohio

March 1963

NEW STATIONS

- Ch. 2 Santa Fe, N. M. 3.68/1.84kw 3317'AT. (Sat. of KGGM-7)
- Ch 3 Sterling, Colo. 27.7/16.6kw 784'AT.
- Ch 11 Quebec City, Que 173/87kw (French-language)
- Ch 12 (EDU) Orono, Maine 299/150kw 990'AT.
- Ch 19 Huntsville, Ala. 519/270kw 1057'AT

APPLICATIONS

- Ch 3 Vernal, Utah 1.5/.75kw 2282'AT
- Ch 8 (EDU) Duluth, Minn. 316/158kw 922'AT.
- Ch 19 Victoria, Texas 4.34/1.96kw 218'AT.
- Ch 20 (EDU) Chicago, Ill. 430/224kw 656'AT.
- Ch 26 Anderson, Ind. 17.5/9.44kw 500'AT.
- Ch 29 (EDU) Greenville, S.C. 1000/500kw 1142'AT.
- Ch 64 Charlottesville, Va. 9/4.8kw 98'AT.
- Ch 70 (EDU) Bowling Green, Ohio 8.61/4.12kw 117'AT
- Ch 79 Toledo, Ohio 727/314kw 989'AT.

NEW CALLS

- WAAY-TV 25 Huntsville, Ala
- WHNT-TV 19 Huntsville, Ala.
- KIIX(TV) 22 Los Angeles, Calif changed from KBIC-TV
- KFOG-TV 44 San Francisco, Calif from KFOG(TV)
- KCTO(TV) 2 Denver, Colo. from KTVR(TV)
- WFTV(TV) 9 Orlando, Fla. from WLOF-TV
- WMEB-TV 12 (EDU) Orono, Maine
- WVAN-TV 9 Savannah, Ga. from WEGA-TV
- WKBD(TV) 50 Detroit, Mich.
- KULR-TV 8 Billings, Mont. from KGHL-TV
- WNJU-TV Linden, N. J.
- CJPM-TV 6 Chicoutimi, Que.

NEWS

NEWS

NEWS

NEWS

- KICU-TV 43 Visalia, Calif. to 162/87.1kw
- KCBD-TV 11 Lubbock, Texas to 300/150kw
- KAIT-TV 8 Jonesboro, Ark. to 54.5/27.2kw antenna 420'AT
- KNDO(TV) 23 Yakima, Wash. to 250/134.9kw antenna 950'AT
- WDAM-TV 7 Laurel, Miss. to 316/158kw antenna to 510'AT.
- KIIX 22 Los Angeles, Cal. to 65.3/32.7kw antenna 2930'AT.
- CJPM-TV 6 Chicoutimi, Que. plans a April 1st start with 68/34kw
- KTBS-TV 3 Shreveport, La. to build a 1800' tower, it will be the worlds tallest and cost \$500,000

73's

Carlton.

AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

MARCH 6, 1963

CO-CHANNEL INTERFERENCE...Bedford Brown, Jr., 6141 South Mayfield, Chicago 38, Ill.

AIPA APRIL ELECTIONS Unless otherwise instructed, I assume that the CCI column will handle the AIPA April Elections as usual. To be elected will be President, Vice-President, and nine Board Members. A list of all eligible candidates and full details of how to vote (with full instructions) will be included in the April CCI column.

UNIDENTIFIED PROGRAMS (All times are Eastern Standard Time.)

Dennis Smith, Alhambra Trailer Court, #149, Fresno 26, California, 4580 N. Blackstone Ave.

1. Jan. 29 ch. 3 6:15pm (Texas-probably either KFDX or KACB) Mr. Magoo cartoon, finish at approx. 6:20, followed by a public service ann., then by Rocky Squirrel. At 6:27 1/2, a slide on screen, "Adventures in Music."
2. Jan. 29 ch. 4 8:20pm (western Texas-eastern New Mexico area) Weather report, sponsored by Safeway stores. Program ended at ~~8:20~~ 8:20pm. Sounded as though announcer said to stay tuned for sports news.

OFFICIAL AIPA RECORDS FOR EACH CHANNEL

Dennis Smith, who is interested in reviving the old AIPA records for each channel, has sent me a list of skip and tropo mileages which constitute records for each VHF and UHF channel. Please check the following list of mileages to see if you possibly hold a record. If so, write to Dennis at Alhambra Trailer Court, 4580 N. Blackstone Avenue, #149, Fresno 26, California. A complete list of records will probably be published in the April bulletin.

channels:	2	3	4	5	6	7	8	9	10	11	12	13
VHF ch's skip mi:	6000	5184	3750	5502	2240	1475	1585	1465	885	1610	.....	894 miles
VHF ch's tropo mi:	1340	756	920	1120	1080	1052	????	2300	1375	1275	1120	1070 miles

UHF ch's skip mi: ch. 20 ms-skip 570 miles... ch. 36 unknown propagation 845 miles.

UHF CH's tropo: miles:

ch's 14-23	420	355	390	450	473	565	585	445	475	750
ch's 24-33	500	350	300	535	400	240	350	567	315	535
ch's 34-43	395	450	530	...	520	520	240	500	...	580
ch's 44-53	...	440	400	100	356	655	420	25	260	320
ch's 54-63	300	205	375	325	...	405	280	55	150	...
ch's 64-73	...	...	...	...	...	...	...	18	375	...
ch's 74-83	25	...	375	40	30	12	...	...	...	...

There is no skip record for channel 12, and there are no tropo records for chs. 37, 42, 44, 58, 63, 64, 65, 66, 67, 68, 69, 70, 73, 75, 80, 82, 81, and 83.

Your cooperation on the above records will certainly be appreciated.

Until April and the Election, best dx and 73's for now, Bedford..

REVISED CH. 11 TELEVISION RECORDS		
CALLS	LOCATION	DIST.
KTVA	Anchorage, Alaska	No Record
KTVF	Fairbanks, Alaska	No Record
KIVA	Yuma, Arizona	No Record
KTHV	Los Angeles, Cal.	740 BD
KTTV	Los Angeles, Cal.	No Record
KNTV	San Jose, Cal.	175 DS <sub>m</sub>
KKTV	Colorado Spr. Colo.	410 BH <sub>a</sub>
WLWA	Atlanta, Ga.	510 BJB
KLIX	Twin Falls, Idaho	144 MF
WINK	Fort Meyers, Fla.	No Record
WFSU	Tallahassee, Fla.	No Record
WFOC	Savannah, Ga.	No Record
WTTW	Chicago, Ill.	453 DN
KDPS	Des Moines, Iowa	371 BD
KGLD	Garden City, Kans.	740 GO
WHAS	Louisville, Ky.	675 BH <sub>a</sub>
WBAL	Baltimore, Md.	947 BB
WTCN	Minneapolis, Minn.	710 BS
WTOK	Meridan, Miss.	670 KN
KPLR	St. Louis, Mo.	445 BH <sub>a</sub>
KGIN	Grand Island, Neb.	320 BH <sub>a</sub>
WENH	Durham, N. H.	No Record
WELX	New York City, N.Y.	300 RN
WTVD	Raleigh, N. C.	660 GO
KXGO	Fargo, N. D.	No Record
WTOL	Toledo, Ohio	480 BJB
KOED	Tulsa, Okl.	720 BD
KCBY	Coos Bay, Oreg.	No Record
WIC	Pittsburg, Pa.	660 BJB
KELO	Sioux Falls, S. D.	660 BM
WJHL	Johnson City, Tenn.	860 BH <sub>a</sub>
KTVT	(Old KFJZ) Ft. Worth, Tex.	765 BM
KGUL	Galveston, Texas	1170 BS
KHOU	Houston, Texas	850 DR
KCBD	Lubbock, Texas	530 BB
KTNT	Tacoma-Seattle, Wash.	No Record
WLUK	Green Bay, Wisc.	475 NE
WKBM	San Juan, Porto Rica	No Record
CBJAT	Trail, B. C.	No Record
CBAPT	Moncton, N. B.	No Record
CBHT-3	Yamouth, N. S.	No Record
CHCH	Hamilton, Ont.	450 FD
CKWS	Kingston, Ont.	160 RN

NEW TV RECORDS CH. 6-13		
CALL	LOCATION	DIST.
	Channel 6	
XET	Monterrey, N. L. Mx.	750BH <sub>a</sub>
	CHANNEL 9	
KMBC	Kansas City, Mo.	490 BD
	Channel 13	
WIBW	Topeka, Kans.	220BH <sub>a</sub>
New TV Record Holders:		
Ch. 6	B. Hauser	
Ch. 9	B. Draeb	
Ch. 13	B. Hauser	

Welcome to the new President  
Grady Harris.  
Hats off to Collins and  
Schafer for a job well done  
while they were Pres. & V. Pres.

New Revised Ch. 11 Record  
Holders:  
B. Hauser-5  
R. J. Bingham, R. Draeb-3  
B. Brown, B. Meers, R. Nieman,  
G. Olson, B. Seybold-2  
D. Nieman, N. Erint. F.  
Dombrowski, M. Foote, K. Neal,  
D. Ruland, D. Smith-1

Get your Record Fusters into  
me by Mar. 25, 1963. Next  
month-Standings of Active  
Members-and-Revised Ch. 12  
Records.

Frank Wheeler  
6589 Wattsburg Road

\* New Records since last Ch. 11 Listings.