

DEPARTMENT OF COMMERCE
BUREAU OF AIR COMMERCE
WASHINGTON

March 5, 1935.

Corrected to _____

BUREAU OF AIR COMMERCE RADIO FACILITIES AND BROADCAST SCHEDULES

The tabulations which follow are designed to provide pilots and others interested with information as to the locations, services available, and types of the various aeronautical radio facilities established and maintained by the Air Navigation Division of the Bureau of Air Commerce. From time to time changes in frequencies and operating schedules of certain stations will become necessary in order that the system as a whole may function to its best advantage. It is planned to revise this tabulation from time to time as conditions may dictate and in the meantime all changes in radio facilities will be published in "Weekly Notices to Airmen" and holders of these lists may keep them current by consulting the weekly notices which are distributed to all airports for posting.

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Some explanatory notes which may be of help in making full use of the radio facilities and accompanying tables follow.

ALL M AND ML FACILITIES operate when local visibility is less than two miles or when local ceilings are other than unlimited and at other times upon request.

ALL M, ML, MRL, MRA, B and V type stations are equipped for voice communication with aircraft.

All stations equipped for VOICE COMMUNICATION WITH AIRCRAFT stand continuous listening watches on the assigned chain frequency of the air transport company operating over the particular airway and on 3105 kcs. upon request. All "M" (marker beacon) facilities answer calls from aircraft on 278 kcs. Other type radio facilities which are equipped for voice communication reply to calls on assigned station frequency unless otherwise indicated in this tabulation.

In the cases of RADIO BROADCAST STATIONS an expression such as "Albany to Buffalo plus Cleveland" appearing in the column "broadcast schedules" means that the station broadcasts reports from the weather reporting stations along the airway between Albany and Buffalo and in addition gives weather at Cleveland. All radio broadcast stations broadcast local weather at 30 minutes past the hour.

Certain RADIO BROADCAST STATIONS are operated to serve scheduled air transport flights only. "Notices to Airmen" will state exact hours of operation, or this information may be obtained from the offices of the District Managers. When flights are contemplated during hours when stations are normally closed, the District Manager concerned will, upon request, consider extending the hours of operation.

WINDS ALOFT BROADCASTS follow the airways broadcast shown in the tabulation which follows: For example: If Albany winds aloft report is available for broadcast at 7:15, this report is broadcast after the completion of the regular weather broadcast scheduled for 7:15 and following one minute of radio range operation. However, if the report is not available at that time it is held and the same procedure is followed after the 8:15 broadcast. Winds aloft broadcasts are made on the range frequency unless the station is equipped to use the alternate frequency of 236 kcs. In this case announcement that the winds aloft reports immediately follow on 236 kcs. is made on the range frequency. Where the 236 kcs. channel is used, winds aloft broadcasts are repeated hourly until they have been broadcast four times. Broadcasts of winds aloft reports are not repeated by stations which broadcast these reports on range frequencies.

FOUR HOURLY AIRWAY WEATHER FORECASTS are broadcast by certain Department of Commerce radio broadcast stations which are equipped to use the alternate frequency of 236 kcs. These broadcasts are made on 236 kcs. following completion of the 30 minutes after the hour broadcasts of local weather at 1:30, 5:30, and 9:30 A.M. and P.M., E.S.T. Additional stations will broadcast airway weather forecasts as they become equipped to utilize the alternate frequency of 236 kcs. "Weekly Notices to Airmen" will carry news of such stations and their broadcasting schedules.

SYMBOLS USED TO DENOTE TYPE

B - Radio broadcast station	MRA - Medium powered radio range with vertical radiating antenna
RA - Radio range with vertical radiating antenna	V - Voice for communication with aircraft
RL - Radio range with loop antenna	T - Teletype station
M - Radio marker beacon	TX - Principal teletype station
ML - Low powered radio range with loop antenna	P - Point to point radio station
MRL - Medium powered radio range with loop antenna	D - Distantly controlled

ALL COURSE BEARINGS OF RADIO RANGES AS SHOWN IN THE TABULATION ARE TRUE AND TOWARD TRANSMITTER

LOCATION	TYPE	CALL	FREQUENCY	IDENT. SIG.	MIN. AFT. HR.	BROADCAST SCHEDULES		AIRWAY FORECASTS (Broadcast on 236 kcs.)
						REGULAR WEATHER	UPPER AIR	
Abilene, Tex.	PV-D	KCCQ	2968 5935					
Acomita, N. Mex.	PV	KCBT	278					
Adair, Iowa	MT		308 - 320	..				
Adairville, Ga.	MT		266 - 238	..				
Albany, N. Y. Range courses: N. 195; S. 4; E. 305; W. 112.	BP-RL-DT	WWAH	320	..	10 15 30	Albany to Buffalo plus Cleveland; New York to Montreal Albany to Boston Albany	15	
Albuquerque, N. M. Range courses: N. 185; S. 3; E. 267; W. 90.	BRA-DTX	KCAF	230	..	0 5 30	Albuquerque to Amarillo; Albuquerque to Pueblo Albuquerque to Winslow plus Kingman; Albuquerque to El Paso Albuquerque	5	
Alma, Ga. Range courses: NE. 248; SW. 68; NW. 145; SE. 325.	RL		248	..				
Amarillo, Tex. Range courses: NW. 145; SE. 325; E. 267; W. 87.	BRA-DT	KCAG	248	..	0 5 15 30	Amarillo to Wichita plus Kansas City; Amarillo to Tulsa Amarillo to Albuquerque Dallas-Ft. Worth to Amarillo Amarillo	5	
Anderson, S. C.	MT		248 - 266	..				
Anton Chico, N. M.	MP	KCCO	278	..				
Archbold, Ohio Range courses: N. 180; S. 0; E. 270; W. 90.	ML-DT	WWHY	278	..				
Ardmore, Okla.	MPT	KCOS	344	..				
Ashfork, Ariz. Range courses: NW. 152; SE. 332; E. 270; W. 90.	MRLP-DT	KCCJ	278	..				
Atlanta, Ga. Range courses: NE. 237; SW. 57; NW. 151; SE. 331.	B-RL-DT	WHZ	266	..	10 15 30 50 55	Atlanta to Nashville plus Indianapolis Atlanta to Birmingham plus Jackson; Atlanta to Mobile plus New Orleans Atlanta Atlanta to Jacksonville plus Titusville Atlanta to Spartanburg plus Greensboro	55 (1)	Atlanta-Jackson Atlanta-New Orleans Atlanta-Washington Atlanta-Marfreesboro Atlanta-Jacksonville
Auburn, Calif.	MT		242	..				
Bellefonte, Pa. Range courses: N. 191; S. 11; E. 272; W. 103.	BRA-DT	WWQ	224	..	5 30 55	Pittsburgh to Camden; Columbus to New York Bellefonte Cleveland to New York	55	
Beoways, Nev.	MT		391	..				
Big Spring, Tex. Range courses: N. 167; S. 347; E. 263; W. 73.	BRA-P-D	KCAP	326	..	10 30	El Paso to Dallas-Fort Worth Big Spring	10	
Big Springs, Neb.	MT		284	..				

(1) Upper air broadcast on 236 kcs.

ARLINGTON-ONE- MT

344-230

5-6 NOTICE JUNE 1, 1935.

BILLINGS ROAD MIRA - ACDA - 242 X
 SW 840 - NW 1340
 NE 240 - SE 3140

operation 7/22

BROADCAST SCHEDULES

LOCATION	TYPE	CALL	FREQUENCY	IDENT. SIG.	MIN. APT. HR.	REGULAR WEATHER	UPPER AIR	AIRWAY FORECASTS (Broadcast on 236 kcs.)
Birmingham, Ala. Range courses: N. 181; S. 1; SW. 53; E. 269.	BP-RA-D	WWAT	224	-----	10 30	Jackson to Atlanta Birmingham		
Bitter Creek, Wyo.	PV	KCBV	278					
Blue Canyon, Calif.	MT		242, 254	---				
Boise, Idaho Range courses: NE. 209; SW. 89; NW. 137; SE. 311.	B-RL-DT	KCR	242	---	30 55	Boise Pasco to Salt Lake	55	
Boston, Mass. Range courses: NE. 243; SW. 63; NW. 141; SE. 321.	B-RL-DT	WSX	266	---	0 10 15 30	Boston to Bangor; Boston to Montreal (when available) Boston to Albany New York to Boston Boston	10	
Brookville, Pa.	MT		224, 244	--				
Buckstown, Pa.	MT		254	---				
Buffalo, N. Y. Range courses: NE. 223; SW. 43; E. 263; W. 86.	BT-RL	WWAB	266	-----	10 15 30	Buffalo to Elmira plus New York Cleveland to Albany Buffalo	10 (1)	Cleveland-Albany Newark-Buffalo
Burley, Idaho Range courses: NE. 216; SW. 36; NW. 111; SE. 321.	RL-DVT		272	--				
Burlington, Iowa Range courses: N. 187; S. 7; NE. 247; SW. 60.	RA-T		326	-----				
Butte, Mont. Range courses: N. 206; S. 8; NW. 121; SE. 301.	BRLP-D	KCAC	284	-----	50 15 30	Butte to Fargo; Butte to Spokane Idaho Falls to Great Falls Butte		
Cambridge, Ohio	MT		391, 254	---				
Camden, N. J. Range courses: NE. 222; SW. 64; NW. 140; SE. 320.	MRL-DT	WWHQ	266	---				
Canadian, Tex. Range courses: N. 176; S. 356; NE. 239; SW. 59.	RA-VP	KCBX	266 V-278	---				
Cascade Locks, Ore.	MT		230, 332	---				
Cassoday, Kans.	MPT	KCBW	332	---				
Castle Rock, Wash.	MT		332	--				
Charleston, S. C. Range courses: NE. 192; SW. 47; NW. 121; SE. 301.	BP-RL-D	WWAW	332	---	30 55	Charleston Jacksonville to Richmond	55	
Charlotte, N. C.	MT		248, 320	-----				

(1) Upper air broadcast on 236 kcs.

BROADCAST SCHEDULES

LOCATION	TYPE	CALL	FREQUENCY	IDENT. SIG.	MIN. APT. HR.	BROADCAST SCHEDULES		AIRWAY FORECASTS (Broadcast on 236 kcs.)
						REGULAR WEATHER	UPPER AIR	
Chattanooga, Tenn. Range courses: NE. 227; W. 83; NW. 122; S. 342.	BRMLP-DT	WVHS	338	--	15 30	Atlanta to Murfreesboro Chattanooga		
Cherokee, Wyo. Range courses: N. 176; S. 356; E. 266; W. 86.	MRLP-DT	KOCK	260	---				
Cheyenne, Wyo. Range courses: N. 168; S. 1; NW. 116; E. 270.	BRAP-DT	KSG	326	-----	5 10 30 50 55	Cheyenne to Pueblo Cheyenne to Billings Cheyenne Cheyenne to Rock Springs plus Salt Lake Cheyenne to North Platte plus Omaha	55	
Chicago, Ill. Range courses: NE. 248; SW. 68; NW. 152; SE. 332.	B-RL-DTX	KDA	350	-----	0 10 30 50 55	Chicago to La Crosse plus Minneapolis-St. Paul Chicago to Nashville via Indianapolis and Louisville plus Milroy, Cincinnati and Warsaw; Chicago to St. Louis Chicago Chicago to Iowa City plus Omaha; Chicago to Burlington plus Kansas City Chicago to Halmer plus Cleveland and Detroit	55(1)	Chicago-St. Paul Chicago-Omaha Chicago-St. Louis Chicago-Kansas City Chicago-Cincinnati Chicago-Cleveland
Cincinnati, Ohio Range courses: NE. 234; SW. 49; NW. 113; SE. 296.	BRA-DT	WWAS	332	-----	0 10 15 30	St. Louis to Pittsburgh Nashville to Cleveland Cincinnati to Chicago Cincinnati	15(1)	Chicago-Cincinnati Murfreesboro-Cleveland Indianapolis-Pittsburgh Cincinnati-Washington
Cleveland, Ohio Range courses: E. 276; W. 96; NW. 141; SE. 321.	BRA-DTX	WVO	344	---	5 10 15 30 50 55	Cleveland to Pittsburgh plus Washington Cleveland to Buffalo plus Albany Cleveland to Louisville Cleveland Cleveland to Bellefonte plus New York Cleveland, Vickery, Toledo, Archbold, Detroit, Jackson and Chicago	55(1)	Chicago-Cleveland Cleveland-Newark Cleveland-Washington Cleveland-Louisville Cleveland-Buffalo Toledo-Detroit Cleveland-Detroit
Columbia, Mo. Range courses: N. 204; S. 24; E. 277; W. 97.	RL-T		379	----				
Columbiaville, N. Y.	MT		320	----				
Columbus, Ohio Range courses: E. 265; W. 85; NE. 209; SW. 29.	RL-T		391	----				
Columbus, N. M.	PV	KCBY	2980, 5960					
Cosad, Neb.	MT		260, 284	---				
Daggett, Calif. Range courses: E. 267; W. 79; N. 165; S. 345.	RA-DVPT	KCAK	365, V-278	----				
Des Moines, Iowa Range courses: E. 264; W. 84; N. 171; S. 351.	RA-DT		308	----				

(1) Upper air broadcast on 236 kcs.

					BROADCAST SCHEDULES			
LOCATION	TYPE	CALL	FREQUENCY	IDENT. SIG.	MIN. AFT. HR.	REGULAR WEATHER	UPPER AIR	AIRWAY FORECASTS (Broadcast on 236 kcs.)
Detroit, Mich. Range courses: E. 265; W. 90; N. 190; S. 10.	RL-T		230	---				
(SYNCHRONIZED WITH JACKSON, MICH.)								
Donner Summit, Calif. Range courses: E. 246; W. 66; N. 156; S. 336.	MRL-DT	KCGL	272	----				
Douglas, Ariz.	PV-D	KCCM	2980, 5960					
Dunkirk, N. Y.	MT		365	---				
Effingham, Ill. Range courses: NE. 252; SW. 72; NW. 162; SE. 342.	ML-DT	WWHZ	278	----				
Elizabeth, N. J. Range courses: E. 264; W. 97; NE. 227; SW. 42.	BRA-DTX	WVU	338	----	0 10 15 30 50 55	New York to Harrisburg plus Pittsburgh New York to Boston New York to Elmira plus Buffalo New York to Albany plus Montreal Newark New York to Kylertown plus Cleveland New York to Washington plus Richmond and Lakehurst, N. J. and Atlantic City, N. J.	10 (1)	(Newark) Newark-Washington Newark-Boston Newark-Albany Camden-Pittsburgh Cleveland-Newark Newark-Buffalo
Elko, Nev. Range courses: E. 268; SW. 68; N. 169; S. 349.	BRAP-DT	KOJ	391	---	30 50	Elko Reno to Salt Lake	50	
Elmira, N. Y. Range courses: E. 246; W. 66; NW. 120; SE. 314.	BRLP-D	WWIF	385	--	15 30	Buffalo to New York Elmira		
THIS STATION SCHEDULED TO BE PLACED IN OPERATION LATTER PART OF MARCH, 1935.								
El Morro, N. M. Range courses: E. 272; W. 92; N. 182; S. 2.	MRLP-D	KCBZ	278	----				
El Paso, Tex. Range courses: E. 269; W. 91; NW. 150; S. 355.	BP-RA-D	KCAO	242	---	0 10 15 30	El Paso to Albuquerque El Paso to Douglas plus Tucson El Paso to Big Spring El Paso	15	
Erie, Pa. Range courses: NE. 238; SW. 66; N. 174; S. 354.	RL-T		365	----				
Fargo, N. D. Range courses: E. 269; W. 89; N. 169; SE. 307.	BRAP-DT	KCAN	365	-----	0 30	Butte to Minneapolis-St. Paul Fargo	0	(Bismarck when available)
Fernley, Nev. Range courses: NE. 237; SW. 57; NW. 147; SE. 327.	MLT		278	---				

(1) Upper air broadcast on 236 kcs.

LOCATION	TYPE	CALL	FREQUENCY	IDENT. SIG.	MIN. AFT. HR.	BROADCAST SCHEDULES		
						REGULAR WEATHER	UPPER AIR	AIRWAY FORECASTS (Broadcast on 236 kcs.)
Fontana, Calif. Range courses: SE. 292; W. 87; N. 168; S. 348.	MFL-DVPT	KOCR	532 V-278	---				
Fort Worth, Tex. Range courses: E. 271; W. 70; N. 186; S. 354.	BRAP-DT	KKJ	365	-----	10 15 30 55	Dallas-Fort Worth to Shreveport; Dallas-Fort Worth to Amarillo; Dallas-Fort Worth to Little Rock Dallas-Fort Worth to Big Spring; Dallas-Fort to Houston and San Antonio Fort Worth Dallas-Fort Worth to Oklahoma City	15 (Dallas)	
Fresno, Calif. Range courses: NE. 234; SW. 54; NW. 134; SE. 333.	BRA-DT	KCU	344	-----	30 55	Fresno Los Angeles to Oakland	55	
Gainesville, Tex.	MT		365	---				
Goffs, Calif.	MT		350, 365	---				
Goshen, Ind. Range courses: E. 269; W. 89; NW. 142; SE. 322.	BRL-DT	WWIE	320	---	30 50	Goshen Cleveland to Chicago		
Granger, Wyo.	MT		290, 248	---				
Grantville, Utah	MT		338	---				
Greensboro, N. C. Range courses: NE. 234; SW. 54; NW. 144; SE. 324.	BP-RL-DT	WRW	320	---	30 55	Greensboro Atlanta to Richmond	55	
Grinnell, Iowa	MT		308	----				
Guadalupe Pass, Tex. Range courses: E. 271; W. 91; NW. 166; S. 346.	MRLP	KCCG	278	---				
Hager City, Wis.	MT		224, 266	---				
Harrisburg, Pa. Range courses: E. 235; W. 105; N. 186; SW. 23.	RA-DBPT	WWHP	242	-----	5 30	New York to Columbus Harrisburg	5 (1) (Bellefonte) Camden-Pittsburgh	
Hartford, Conn.	PVT	WWIC	278					
Hayesville, Ohio	MPT	WWHX	391	..				
Helmer, Ind.	MT		320	---				
Houston, Texas Range courses: NE. 247; W. 85; NW. 139; SE. 312.	BRLP-D	KCAU	332	-----	10 15 30	Houston to Fort Worth-Dallas; Houston to San Antonio; Houston to Brownsville plus Galveston when available Houston to New Orleans Houston	15	
Humboldt, Nev.	MT		254, 391	--				
Idaho Falls, Idaho Range courses: NE. 216; SW. 36; N. 167; S. 347.	BRLP	KCAD	359	---	10 30	Salt Lake to Butte Idaho Falls		

(1) Upper air broadcast on 236 kcs.

					BROADCAST SCHEDULES			
LOCATION	TYPE	CALL	FREQUENCY	IDENT. SIG.	MIN. AFT. HR.	REGULAR WEATHER	UPPER AIR	AIRWAY FORECASTS (Broadcast on 236 kcs.)
Indianapolis, Ind. Range courses: E. 264; SW. 71; NW. 158; SE. 343.	RL-T		266	..				
Iowa City, Iowa (SYNCHRONIZED WITH STERLING, ILL.)	BT	KIS	272		30 55	Iowa City Omaha to Chicago; Kansas City to Chicago	55(1)	(Moline)
Jackson, Mich. (SYNCHRONIZED WITH DETROIT, MICH.)	BP-D	WWAR	250		30 50	Jackson Chicago to Cleveland; South Bend to Detroit; and other Michigan Airways	50	(Detroit)
Jackson, Miss. Range courses: E. 271; W. 95; N. 184; S. 4.	BP-RA	WWAQ	260	---	10 15 30	Jackson to Shreveport plus Dallas-Fort Worth New Orleans to Memphis; Jackson to Birmingham plus Atlanta Jackson	15(1)	Dallas-Jackson Atlanta-Jackson Memphis-New Orleans
Jacksonville, Fla. Range courses: E. 266; W. 96; N. 195; SE. 338	BP-RL-D	WWAV	344	---	30 50 55	Jacksonville Jacksonville to Charleston plus Raleigh Miami to Atlanta	50(1)	Atlanta-Jacksonville Richmond-Jacksonville Jacksonville-Miami
Jefferson, Ga. Kansas City, Mo. Range courses: NE. 240; SW. 54; NW. 156; SE. 336.	MT B-RA-DTX	KRC	248, 266 359	--- -----	0 5 30 50 55	Kansas City to Wichita plus Waynoka Kansas City to St. Louis; Kansas City to Omaha Kansas City Kansas City to Burlington plus Chicago Kansas City to Tulsa plus Dallas-Fort Worth and Oklahoma City	5	
Key West, Fla. Range courses: NE. 255; W. 102; NW. 170; S. 20.	BP-RL OPERATING SCHEDULE FOR THIS STATION: Sun.) Mon.) 9:00 AM to 11:00 AM Thu.) and Fri.) 2:30 PM to 4:30 PM Sat.)	WBP	332	..	30 55	Key West, 6:30 AM to 5:30 PM Havana to Miami plus Titusville, 6:55 AM to 4:55 PM (Hours of operation of this radio range beacon extended upon application to U.S. Airway Radio Station, Municipal Airport, Miami, Fla.)	55(1)	
King Hill, Idaho Kingman, Ariz. Range courses: E. 272; W. 72; N. 179; S. 359.	MPT BRA-DT	KCCW KCAH	242, 272 350	--- ---	5 10 30	Los Angeles to Winslow Phoenix to Los Angeles (direct route) Kingman	5	
Kirkville, Mo. Range courses: N. 160; S. 340; W. 70; E. 250.	ML-DT		278	---				
Knight, Wyo. Range courses: NE. 234; SW. 54; NW. 144; SE. 324.	MRL-DT	KCCN	248	....			
Knoxville, Mo.	MT		359	....			
La Grande, Ore.	MT		344	---				
La Crosse, Wis. Range courses: NE. 221; SW. 41; NW. 130; SE. 310.	BPT-RL	WSG	224	---. .	5 30	Chicago to Minneapolis-St. Paul La Crosse		Chicago-St. Paul
Laramie, Wyo.	MT		326	---				

(1) Upper air broadcast on 236 kcs.

Kellogg
 W 100° - 315° MRL
 E 289° - N 195°

KCOJ-320

Not out only Reliable
 10/10

BROADCAST SCHEDULES								
LOCATION	TYPE	CALL	FREQUENCY	IDENT. SIG.	MIN. AFT. HR.	REGULAR WEATHER	UPPER AIR	AIRWAY FORECASTS (Broadcast on 236 kcs.)
Lebo, Kans. Range courses: NE. 235; SW. 55; NW. 165; SE. 345.	MRLP-D	KCOV	278	-----				
Little Rock, Ark. Range courses: NE. 259; SW. 51; NW. 134; SE. 314.	B-RA-DT	KCAJ	272	-.	15 30	Fort Worth to Memphis Little Rock		
Livermore, Calif.	MT		242	..				
Locomotive Springs, Utah Range courses: NE. 233; SW. 53; NW. 148; SE. 328.	MRLP-D	KCOE	302	-----				
Lone Rock, Wis. Range courses: E. 282; W. 102; N. 192; S. 12.	ML-DT	WWIA	278	---				
Los Angeles, Calif. Range courses: NE. 216; W. 77; NW. 154; SE. 319.	B-RA-DTX	KCT	260	-----	0 10 15 30 50	Los Angeles to Kingman plus Winslow Los Angeles to Milford plus Salt Lake Los Angeles to Phoenix (direct route) Los Angeles San Diego to Fresno plus Oakland-San Francisco	5 (Burbank) 0 (Sandberg)	
Louisville, Ky. Range courses: NE. 225; E. 280; S. 20; W. 90.	MRL-DT	WWIG	284	-----				
Maine, Ariz.	PV	KOBS	278					
Martins Creek, Pa. Range courses: NE. 226; SW. 46; NW. 142; SE. 320.	MRL-DT	WWIB	359	---				
McCool, Ind.	MT		320	..				
McConnellsburg, Pa.	MPT	WHER	254, 272	---				
Medford, Ore. Range courses: E. 241; SW. 61; N. 173; S. 309.	BRA-DT	KCK	266	-----	30 50	Medford Oakland to Portland	50	
Medicine Bow, Wyo. Range courses: E. 264; W. 84; NW. 143; SE. 323.	MRL-DT	KCAL	344	---				
Memphis, Tenn. Range courses: NE. 246; W. 82; N. 185; S. 5.	B-RA-DT	WWAU	326	---	10 15 30	Memphis to Jackson; Memphis to Little Rock Memphis to Nashville plus Murfreesboro; Memphis to St. Louis Memphis	15	
Mercer, Pa.	MLT (UNDER CONSTRUCTION)		278					
Miami, Fla. Range courses: E. 288; W. 108; N. 187; SW. 84.	BRLP-D	WWAF	272	---	30 55	Miami Key West to Jacksonville	55	

LIVINGSTON
 N 175° - E 264° MRA

KCOJ 224

SW 76 - NW 121
NE 242 - SE 342

					BROADCAST SCHEDULES			
LOCATION	TYPE	CALL	FREQUENCY	IDENT. SIG.	MIN. APT. HR.	REGULAR WEATHER	UPPER AIR	AIRWAY FORECASTS (Broadcast on 236 kcs.)
Milford, Utah Range courses: NE. 204; SW. 24 NW. 114; SE. 294.	BRLP	KCAT	320	..--	15 30	Los Angeles to Salt Lake Milford <i>Commissioned 10/7 use caution</i> <i>caution 10/7</i>		
Milroy, Ind. Range courses: E. 271; W. 101; N. 174; S. 358.	MPT RA-T	WWHW	332 242	--- -- --				
Minneapolis, Minn. Range courses: NE. 204; SW. 63; NW. 128; SE. 299.	B-RA-DT	KCAQ	266	-.--	0 5 10 30	Minneapolis-St. Paul to LaCrosse plus Chicago Minneapolis-St. Paul to Fargo plus Butte Minneapolis-St. Paul to Sioux City plus Omaha Minneapolis	C (St. Paul)	
Mobile, Ala. Range courses: NE. 221; SW. 74; NW. 143; SE. 323.	BRLP-D	WWBF	243	-.--	10 30	New Orleans to Atlanta Mobile		
Monteagle, Tenn.	MT		385, 338	-.--				
Moran, Kans. Range courses: N. 198; S. 17; E. 298; W. 108.	RA		314	-.--				
Morse, Ill.	MT		326, 350	-.--				
Mt. Shasta, Calif. Range courses: E. 262; W. 82; N. 164; S. 1.	RAVT		224 V-278	..				
Nashville, Tenn. Range courses: E. 270; SW. 69; N. 200; SE. 324.	BT-RL	WWAC	385	-.--	10 15 30	Nashville to Memphis; Nashville to Washington Atlanta to Chicago via Louisville and Indiana- polis plus Warsaw, Cincinnati and Milroy Nashville	15(1) (Murfreesboro)	Cleveland-Murfreesboro Atlanta-Murfreesboro Dallas-Murfreesboro Murfreesboro-Washington
Newark, N. J. (SEE ELIZABETH, N. J.)								
New Florence, Mo.	MT		379, 290	..				
New Hackensack, N. Y.	MP		320	-.--				
New Orleans, La. Range courses: NE. 247; W. 92; N. 175; S. 346.	RP-RL-D	WWAG	338	-.--	10 15 30	New Orleans to Jackson plus Memphis; New Orleans to Houston New Orleans to Mobile plus Atlanta New Orleans	15	
New York, N. Y. (SEE ELIZABETH, N. J.)								
North Dallas, Wash. Range courses: E. 258; W. 96; N. 178; S. 358.	RL-VT		230 V-278	-.--				
North Platte, Neb. Range courses: N. 193; S. 13; SE. 295; W. 91.	B-RL-DT	KVM	284	-.--	30 50	North Platte Cheyenne to Omaha	50	
Numidia, Pa.	MT		284, 338	-.--				

(1) Upper air broadcast on 236 kcs.

LOCATION	TYPE	CALL	FREQUENCY	IDENT. SIG.	MIN. AFT. HR.	BROADCAST SCHEDULES		
						REGULAR WEATHER	UPPER AIR	AIRWAY FORECASTS (Broadcast on 236 res.)
Oakland, Calif. Range courses: E. 276; W. 96; NE. 217; SW. 57.	BRA-DTX	KCV	242	-----	30 50 55	Oakland Oakland-San Francisco to Fresno plus Los Angeles; Oakland-San Francisco to Reno Oakland-San Francisco to Medford	0	
Oceanside, Calif. Oklahoma City, Okla. Range courses: E. 268; W. 88; N. 196; S. 339.	MT RA-DBT	KCCA	284, 260 344	-----	5 30 55	Amarillo to Tulsa (plus Wichita Falls, Texas when available) Oklahoma City Dallas-Fort Worth to Wichita	55	
Omaha, Neb. Range courses: E. 262; SW. 54; NW. 155; SE. 335.	BRA-DTX	KJF	380	-----	15 30 50 55	Omaha to Watertown Omaha Omaha to Iowa City plus Chicago; Omaha to Kansas City Omaha to North Platte plus Cheyenne and Lincoln	55	
Otto, N. M.	PV	KCBU	278					
Palmdale, Calif.	PV	KCPD	278					
Pasco, Wash. Range courses: NE. 221; SW. 41; NW. 146; SE. 326.	BPT-RA	KOS	344	--- --	30 50 55	Pasco Pasco to Boise plus Salt Lake Portland to Spokane	50	
Perry, Ohio	MT		365	..				
Phoenix, Ariz.	PV	KOCB	H. F.					
Pine Bluff, Ark.	MT		366					
Pittsburgh, Pa. Range courses: NE. 257; SW. 77; NW. 122; SE. 302.	BRA-DT	WWAP	254	-----	0 5 50	Pittsburgh to Harrisburg plus Camden; Cleveland to Washington Pittsburgh to Columbus Pittsburgh	5	
Portland, Ore. Range courses: E. 257; W. 77; N. 166; S. 13.	BRA-DTX	KDY	332	-----	30 50 55	Portland Portland to Pasco plus Spokane (including Pendleton) Seattle to Medford	50	
Potrero Hill, Calif.	MP	KCCT	242, 365	----				
Pueblo, Colo. Range courses: E. 264; W. 84; N. 174; S. 354.	BRLP-D	KGAR	302	-----	0 5 30	Pueblo to Cheyenne Pueblo to Albuquerque Pueblo	15 (Denver)	
Putnam, Conn.	MT		266	---				
Raleigh, N. C. Range courses: SE. 290; NW. 110; NE. 210; S. 30.	BRLP-D	WWBI	350	--- --	30 50	Raleigh Jacksonville to Richmond		
Reno, Nev. Range courses: NE. 246; SW. 66; N. 179; S. 359.	B-RA-DT	ELK	254	-----	30 55	Reno Oakland to Elko	55	
Richmond, Va. Range courses: NW. 122; SE. 302; N. 190; SW. 30.	BP-RL-DT	WNR	260	-----	30 50 55	Richmond Richmond to Greensboro plus Spartanburg Richmond to Raleigh plus Charleston; Richmond to Washington plus Newark; Richmond to Norfolk	55	
Rockford, Ill. Range courses: NE. 228; SW. 48; NW. 157; SE. 298.	RA		338	-----				

Pendleton
NW 159° - SW 71°
SE 321° - NE 271°
BRA-DT-KCPD 344

BROADCAST SCHEDULES

LOCATION	TYPE	CALL	FREQUENCY	IDENT. SIG.	MIN. APT. HR.	REGULAR WEATHER	UPPER AIR	AIRWAY FORECASTS (Broadcast on 236 kcs.)
Rock Springs, Wyo. Range courses: E. 264; SW. 68; N. 166; S. 346.	BRA-DT	KDH	290	--- --	30 35	Rock Springs Salt Lake to Cheyenne	35	
Rodeo, N. H. Range courses: E. 274; W. 94; NE. 217; SW. 37.	MEA-DP	KOOF	254	---				
Salt Flat, Tex.	P	KOOI	278					
Salt Lake City, Utah Range courses: NE. 249; W. 87; N. 169; S. 370.	BRA-DTX	KUD	338	... - - - -	16 15 30 50 55	Salt Lake to Milford plus Los Angeles Salt Lake to Idaho Falls plus Butte Salt Lake City Salt Lake to Rock Springs plus Cheyenne; Salt Lake to Boise plus Pasco Salt Lake to Elko plus Reno	55	LAS VEGAS NOTICE 5-6 June 1st 1935
San Antonio, Tex. Range courses: NE. 213; SW. 33; NW. 164; SE. 344.	BRLP	KOAW	254	--- .	10 15 30	Brownsville to Fort Worth-Dallas San Antonio to Houston plus New Orleans San Antonio	15	
San Diego, Calif. Range courses: E. 266; W. 86; N. 159; S. 339.	RL-T		224	... - - - -				
Santo, Texas	MP	KOOC	365	--- .				
Saugus, Calif. Range courses: NE. 237; SW. 57; NW. 153; SE. 321.	ML-DT	KOOP	278	--- .				
Seattle, Wash. Range courses: NE. 213; SW. 31; NW. 139; SE. 291.	BRAP-DT	KCZ	260	... . - -	0 30 50	Seattle to Spokane Seattle Seattle to Portland	30	
Sexton Summit, Ore.	MT		266	--- .				
Shreveport, Wyo.	BRAP-DT	KCAK	250	---				
Shreveport, La. Range courses: E. 272; W. 97; NW. 154; SE. 334.	BRAP-D	KCAK	250	---	15 30	Fort Worth to Jackson Shreveport	15	(Barksdale Field)
Sidney, Neb. Range courses: E. 274; W. 94; N. 184; S. 4.	MRL-DT	KCAB	314	... .			
South Boston, Va.	MT		260, 320	..				
Spartanburg, S. C. Range courses: NE. 236; SW. 60; NW. 148; SE. 328.	B-RL-DT	WPT	248	... .	30 50	Spartanburg Atlanta to Richmond	30(1)	Atlanta-Washington
Spokane, Wash. Range courses: E. 264; W. 84; NE. 222; SW. 42.	BRLP-DT	KCAS	365	... .	0 30 50	Seattle to Butte Spokane Spokane to Pasco plus Portland	30	

(1) Upper air broadcast on 236 kcs.

216° on no particular Pt.

270° Toward Kellog, Idaho.

28° " Pendleton Ore.

78° " Ellensburg WA.

note
5-6
June 1st
1935

BROADCAST SCHEDULES								
LOCATION	TYPE	CALL	FREQUENCY	IDENT. SIG.	MIN. AFT. HR.	REGULAR WEATHER	UPPER AIR	AIRWAY FORECASTS (Broadcast on 236 kcs.)
Springfield, Mo.	EP	KGAY	254		5 30	Tulsa to St. Louis Springfield		St. Louis-Tulsa (0800, 1200 and 1600 E.S.T. only)
Sterling, Ill. Range courses: E. 271; W. 91; N. 180; S. 360.	RL-DT		272	...				
(SYNCHRONIZED WITH IOWA CITY, IOWA)								
St. Louis, Mo. Range courses: E. 254; W. 100; NE. 208; S. 342.	B-RL-DT	KCQ	290	---	0 5 15 30	St. Louis to Kansas City; St. Louis to Springfield plus Tulsa St. Louis to Richmond, Indiana plus Columbus St. Louis to Memphis plus Jackson; St. Louis to Chicago St. Louis	5 (1)	Kansas City-Indianapolis St. Louis-Memphis (0800, 1200 and 1600 E.S.T. only) St. Louis-Tulsa (0800, 1200 and 1600 E.S.T. only) Chicago-St. Louis
Strevell, Idaho	MP	KMR	272	---				
Syracuse, N. Y. Range courses: E. 267; W. 93; N. 191; SW. 28.	RL-T (low power)		350	---				
Tacoma, Wash. Range courses: NE. 197; SW. 38; NW. 118; SE. 298.	RL (low power)		224	---				
Terre Haute, Ind. Range courses: NE. 251; SW. 71; N. 184; S. 4.	MRL-DT		248	---				
Texarkana, Ark. Range courses: NE. 230; SW. 76; NW. 151; SE. 311.	RA-T		380	--- --				
Titusville, Fla. Range courses: NE. 247; SW. 67; NW. 159; SE. 339.	BRLP-D	WWBC	254	... -	30 50	Titusville Miami to Atlanta		
Teledo, Ohio	PT	WHEE	H. F.					
Tucson, Ariz. Range courses: NE. 222; SW. 42; NW. 141; SE. 304.	B-RA-DP	KCAM	338	... --	15 30	Phoenix to El Paso Tucson	15	
Tucumanari, N. M. Range courses: E. 269; W. 89; N. 173; S. 359.	MRL-DPT	KCAI	278	... --				
Tulsa, Okla. Range courses: NE. 243; SW. 63; N. 196; S. 16.	B-RA-DT	KCAA	296	... --	5 30 50	Tulsa to Springfield plus St. Louis; Tulsa to Oklahoma City Tulsa Kansas City to Oklahoma City plus Ft. Worth- Dallas	5	
Urbana, Ill.	PT	WHEE	338	... --				
Vandalia, Ohio	PT	WVHU	H. F.					
Ventosa, Nev.	MT		591	... --				

BROADCAST SCHEDULES

LOCATION	TYPE	CALL	FREQUENCY	IDENT. SIG.	MIN. AFT. HR.	REGULAR WEATHER	UPPER AIR	AIRWAY FORECASTS (Broadcast on 236 kes.)
Vickery, Ohio	MT		344	---				
Warren, Ohio	MT		344	---				
Warsaw, Ky.	MT		332	---				
Washington, D. C. Range courses: NE. 226; W. 84; NW. 146; S. 11.	B-RL-DTK	WXX	872	---	5 15 30 50	Washington to Pittsburgh plus Cleveland Washington to Nashville Washington Richmond to New York	5 (1)	Washington-Cleveland Newark-Washington Atlanta-Washington Cincinnati-Washington
Waiser, Idaho	MT		242	..				
Wendover, Utah	MT		391, 338	..				
Wichita, Kans. Range courses: NE. 235; SW. 25 N. 171; S. 351	BT-RA	WEX	332	---	5 30 50	Amarillo to Kansas City Wichita Wichita to Oklahoma City plus Ft. Worth-Dallas	5	Dallas-Wichita (including Tulsa) Kansas City-Amarillo (0800, 1200 and 1600 E.S.T. only)
Williams, Calif. Range courses: E. 262; W. 82; N. 174; S. 351.	MRA-T		365 V-278	---				
Wink, Texas Range courses: E. 258; W. 93; N. 185; S. 5.	RA-VP	KECH	260 V-2968 8938	...				
Winkleblech, Pa.	MT		224	....			
Winslow, Ariz. Range courses: E. 269; W. 94; N. 174; S. 354.	BRA-DT	KGAR	266	-----	0 30	Kingman to Albuquerque Winslow		
Wolcott, Ind.	MT		350, 266	---				
York, Pa. Range courses: E. 267; W. 87; N. 173; S. 353.	RL- DT		260 266	---				

(1) Upper air broadcast on 236 kes.