

EDWIN H. ARMSTRONG
Alpine, New Jersey

W 2 X M N

RECORDS CLOSED NOVEMBER 1950. STATION CEASED OPERATION
IN JULY 1949. SEE FILES FOR INFORMATION.

Card #1

Date First
Licensed.....October 3, 1938.

High Frequency Broadcast

KE2XCC
Call
Letters W 2 X M N
AND

STAs for rebroadcasts
of FM programs by
Commercial License
Station KE2XCC (former-
ly W2XEA)

Name of
Licensee: EDWIN H. ARMSTRONGTransmitter
Location: New Jersey (Bergen Co.), North of Alpine
~~Site to be determined~~

Lat. 40 53 02 N.
Long. 73 55 06 W.

Main Studio
Location:
FRC-65

CONSTRUCTION PERMIT AND LICENSE RECORD

(Zone I)

Appl. No.	Date Issued	Freq.	Emiss. Power	Time Div.	PERIOD	
					From	To
PE-186 Letter written re site	6-12-36	41600 86500 111000	Freq. Modulation 40 kw.	Unlimited	6-12-36 2-12-37	
MPE-24 Letter written	7-17-36	41600 86500 111000	same	same	same	
MPHB-1 MPE-24 PE-186	12-15-36 MP appr.	same site	A3 & Special 40 kw	Unlimited R. 983(a)	2-15	8-15-37
MPHB-4	8-18-37	same	same	same	12-15	6-15-38
MPHB-26 Nunc pro tunc as of June 15, 1938. Mod. c. p. for extension of completion date	10-3-38	same	same	same	12-15-37 to	12-15-38
LHB-27 ✓ License to cover.	10-3-38	same	same	same	10-3	4-1-39
RHB-44	3-27-39	Extension of license			4-1	5-1-39
RHB-44 Renewal	4-10-39	41600 86500 111000	A3 & Spec. 40 kw	same	4-10	4-1-40
SHB-44 Mod. Lic.	7-10-39	42800 117430	Spec. 40 kw	S. 4.04a	8-1	4-1-40
B1-SHB-44	3-22-40	Extension of license			4-1	5-1-40
B1-RHB-44	4-16-40	42800 117430	40kw Spec. for freq. mod.	Sec. 4.4(a)	4-16	4-1-41
SEE CARD #2						
SPECIAL AUTHORIZATIONS						
Spec. Auth.	3-24-38	to test on the freq. 42.8 M/C period beginning 3-24-38 and ending 4-22-38.				
Spec. Auth.	4-1-38	to test on the freq. 43.7 M/C period beginning 4-1-38 and ending 4-14-38.				
Spec. Auth.	4-27-38	to test on the freq. 42.8 M/C period beginning 4-27-38 to 5-28-38.				
Spec. Auth.	6-18-38	Test on 42.8 megacycles, 40 kw				6-18 7-17-38
Spec. Auth.	7-11-38	Test on 42.8 megacycles, 40 kw				7-18 8-16-38
Spec. Auth.	8-10-38	Extend period of above from				8-17-38 to
S.P.A.	9-9-38 ext.	of above to				10-15-38 9-15-38.

BROADCASTING STATION LICENSE RECORD

HIGH FREQUENCY BROADCAST

#2

Date first licensed

Call letters W 2 X M N

Name of licensee EDWIN H. ARMSTRONG

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Freq.	Power	Time Div.	Period		
					From	To	
SPECIAL AUTHORIZATION RECORD Continued							
S.A.	9-9-38	Ext. test on 42.8 mega.			9-10	10-15-38	
S.A.	10-5-38	"	"	"	10-10	11-14-38	
S.A.	11-8-38	"	Operate	"	11-15	12-14-38	
S.A.	12-9-38	"	"	"	12-15	1-14-39	
S.A.	1-10-39	"	"	"	1-15	2-13-39	
S. A.	1-19-39	Operate W2XMN, as licensed, to retransmit transmission from G.E. W2XCR., for research in field of freq. mod.				1-19	2-17
S.A.	2-7-39	Ext. S.A. test 42.8 mega.			2-14	3-15-39	
S.A.	2-18-39	Ext. S.A. dated 1-19-39 to retransmit transmission from G.E. W2XCR				2-18	3-19-39
S.A.	3-8-39	Ext. S.A. test 42800 kc			3-16	3-31-39	
S.A.	3-8-39	Ext. S.A. test 42800 kc			4-1	4-14-39	
S.A.	3-15-39	Ext. S.A. retransmit W2XCR			3-20	4-18-39	
S.A.	4-11-39	Ext. S.A. test 42800 kc			4-15	4-30-39	
S.A.	4-11-39	Ext. S.A. test 42800 kc			5-1	5-14-39	
S.A.	4-12-39	S.A. Rebroadcast W2XWC			4-12	4-1-40	
S.A.	4/24/39	Ext. S.A. test 42800 kc			5/15	6/13/39	
S. A.	5-17-39	Ext. S.A. test 42800 kc.			6-14	7-13-39	
S.A.	6-13-39	Ext. S.A. test 42800 kc			7-14	8-12-39	
ORDER 69, 5-18-40, cancelled license, effective 1-1-41 due to reallocation of frequencies Order 67 (Letter 7-5-40)							
S.A.	12/3/40	to retransmit trans. of H.F. station W1XPM frm 12/3 to 1/1/41 (experiments)					
S.A.	12/31/40	opr on 42800kc, 40kw frm 1/1 to 3/1/41					
S.A.	1/4/41	opr on 42800kc, 40kw spec assignment for W1XPM frm 1/4 to 3/1/41					
S.A.	1/31/41	retransmit transmissions of W1XPM frm 1/31 to 3/1/41 (continue rebr. experiments)					
S.A.	2/28/41	retransmit trans. of W2XAG, W1XPM, W1XOJ frm 3/1 to 5/1/41 (continue rebr. experiments) EXTEN					
S.A.	2/28/41	opr on 42800kc, 40000w frm 3/1 to 5/1/41 EXTEN OF					
S.A.	3-13-41	opr on 117430kc 40kw FM 3/13 to 5/11/41					
S.A.	4-14-41	Ext. S.A. opr 117430kc 5/12 to 7/10/41					
S.A.	4-14-41	Ext S.A. retrans. trans of W2XAG, W1XPM, & W1XOJ 5/1 to 6/29/41 (continue rebr. experiments)					

BROADCASTING STATION LICENSE RECORD

HIGH FREQUENCY BROADCAST

CARD NO. 3

Date first licensed

Call letters

W 2 X M N

Name of licensee

EDWIN H. ARMSTRONG

Transmitter location

Main studio location

FCC-65

CONSTRUCTION PERMIT AND LICENSE RECORD

APPL. No.	DATE ISSUED	FREQ.	POWER	TIME DIV.	PERIOD
					From— To—
S. A.	4-14-41	Ext. S.A. opr	42800kc	40kw	5/1 to 6/29/41
S.A.	4-30-41	Opr. addl. trans. located at Alpine, NJ on 43 megacycles, power not to exceed 40 kw. using FM from 5-1- to 5-10-41			
S.A.	5-10-41	EXT of above authority for 30 days from 5-11-41 to 6-9-41			
S.A.	5-27-41	To rebroadcast program of W71NY, 5-27-41 to carry speech of President Roosevelt, only.			
S.A.	6-3-41	Ext. of above authority for 30 days from 6-10-41 to 7-9-41. <i>49 M - 40 KW</i>			
S.A.	6-24-41	Ext. of above authority for 60 days from 7-11-41 to 9-8-41. (117430 kc, 40kw)			
S.A.	6-24-41	Ext. of S.A. from 6-30-41 to 8-28-41. <i>42800 40 KW</i>			
S.A.	6-24-41	to retransmit trans. of exper. H.F.B. Sta. W2XAG, W65H & W1XOJ (W43B), 6-30-41 to 8-28-41.			
S.A.	8-13-41	Ext. of S.A. dated 4-30-41 for period ending 9-8-41. <i>43.0 M 40 KW</i>			
S.A.	8-16-41	Ext. of S.A. dated 12-21-40 from 8-28-41 to 10-27-41. <i>42800 40 KW</i>			
S.A.	8-16-41	Ext. of S.A. dated 2-28-41 from 8-28-41 to 10-27-41. <i>Rebroadcast - W2XAG - W65H - W43B</i>			
S.A.	8-16-41	Ext. of S.A. dated 3-13-41 from 9-9-41 to 11-7-41. <i>117430 40 KW</i>			
S.A.	7-10-41	Ext. of S.A. for 43 megacycles, 40kw, from 7-10-41 to 8-9-41.			
S.A.	10-10-41	To opr. an add'l trans. located at Alpine N.J. on 43 megacycles, 40kw, using FM from 10-10-41 to 12-8-41 to conduct further experiments on adjac channel oper. of H.F. B/c Stations & to demonstrate such oper. to certain eng. committees of Radio Mfg Assn.			
S.A.	10-13-41	Ext. of S.A. for 42800kcs, 40000w from 10-27-41 to 12-26-41.			
S.A.	10-13-41	Ext. of S.A. to retransmit trans. of W2XAG, W65H and W43B from 10-27-41 to 12-26-41.			
S.A.	10-16-41	Ext. of S.A. for 117430kcs, 40kw, using spec. em. for FM with max. band width not to exc. 200kcs from 11-8-41 to 1-6-42.			

BROADCASTING STATION LICENSE RECORD

#4

HIGH FREQUENCY BROADCAST

Date first licensed

Call letters W 2 X M NName of licensee EDWIN H. ARMSTRONG

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	DATE ISSUED	FREQ.	POWER	TIME DIV.	PERIOD From — To —
S.A.	12-2-41	Exten. of S.A. for 43 megacycles, 40kw,			from 12-9-41 to 2-6-42.
S.A.	12-10-41	Exten. of S.A. for 42800 kc, 40000w,			spec. em. for FM, from 3 a.m., EST, 12-26-41 to 3 a.m., EST, 2-24-42.
S.A.	12-10-41	Exten. of S.A. to retransmit the trans-			missions of W2XAG, W65H & W43B from 3 a.m., EST, 12-26-41 to 3 a.m., EST, 2-24-42.
S.A.	12-31-41	Exten. of S.A. to opr. on 117430 kcs, 40			kw, spec. em. for FM with max. band width not to exceed 200 kcs from 1-7-42 to 3-7-42.
S.A.	1-29-42	Exten. of S.A. to opr. on 43 megacycles,			40kw, using FM from 2-7-42 to 4-7-42.
S.A.	2-9-42	Exten. of S.A. to opr. on 42800 kcs,			40000w, spec. em. for FM, from 3 a.m., EST, 2-24-42 to 3 a.m., 4-25-42.
S.A.	2-9-42	Exten. of S.A. to retransmit transmis-			sions W2XAG, W65H, & W43B for period 3 a.m., EST, 2-24-42 to 3 a.m., EST, 4-25-42.
S.A.	3-12-42	Exten. of S.A. to opr. on 43 megacycles,			40kw, using FM, from 4-8-42 to 6-6-42.
S.A.	4-7-42	Exten. of S.A. to opr. on 42800 kcs,			40000w, spec. em. for FM, from 3 a.m., EST, 4-25-42 to 3 a.m., EST, 6-24-42.
S.A.	4-7-42	Exten. of S.A. to retransmit transmis-			sions of W2XAG, W65H & W43B for period 3 a.m., EST, 4-25-42 to 3 a.m., EST, 6-24-42.
S.A.	6-9-42	Exten. of S.A. to opr. on 42800 kcs,			40000w, spec. em. for FM, from 3 a.m., EST, 6-24-42 to 3 a.m., EST, 8-23-42.
S.A.	6-12-42	Exten. of S.A. to retransmit transmis-			sions of W2XAG, W65H & W43B for period 3 a.m., EST, 6-24-42 to 3 a.m., EST, 8-23-42.
S.A.	8-7-42	Exten. of S.A. to opr. 42800 kcs, 40000w,			spec. em. for FM, from 8-23-42 to 10-21-42.
S.A.	8-7-42	Exten. of S.A. to retransmit transmission			of W2XAG, W65H & W43B from 8-23-42 to 10-21-42.
S.A.	10-8-42	Exten. of S.A. to opr. on 42800 kc, 40kw,			spec. em. for FM, from 10-22-42 to 12-20-42.
S.A.	10-8-42	Exten. of S.A. to retransmit transmission			of W2XAG, W65H & W43B from 10-22-42 to 12-20-42.

n-s-

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BROADCASTING STATION LICENSE RECORD

Card #5

HIGH FREQUENCY BROADCAST

Date first licensed

Call letters W 2 X K N

Name of licensee

EDWIN H. ARMSTRONG

Transmitter location

Main studio location

FCC-65

CONSTRUCTION PERMIT AND LICENSE RECORD

APPL. No.	DATE ISSUED	FREQ.	POWER	TIME DIV.	PERIOD
					From— To—
S.A.	12-19-42	Exten. of S.A. to opr. on 42800 kc, 40kw, spec. emis. for FM, from 12-21-42 to 2-18-43			
S.A.	12-21-42	Exten. of S.A. to retransmit transmissions of W65H and W43B from 12-21-42 to 2-18-43.			
S.A.	2-15-43	Exten. of S.A. to retransmit transmissions of W65H & W43B from 2-19-43 to 4-19-43.			
S.A.	2-10-43	Exten. of S.A. to opr. on 42800kc, 40kw, spec. emis. for FM, from 2-19-43 to 4-19-43			
S.A.	4-19-43	Exten. of S.A. to opr. on 42800 kc, 40kw spec. emis. for FM, from 4-20-43 to 5-19-43.			
S.A.	4-19-43	Exten. of S.A. to retransmit transmissions of W65H & W43B from 4-20-43 to 6-18-43.			
S.A.	5-14-43	Exten. of S.A. to opr. on 42800 kc, 40kw, spec. emis. for FM, from 5-20-43 to 6-18-43.			
S.A.	6-18-43	Exten. of S.A. to retransmit transmission of W65H & W43B from 6-19-43 to 7-18-43.			
S.A.	6-18-43	Exten. of S.A. to retransmit transmission of W65H & W43B from 6-19-43 to 7-18-43.			
S.A.	6-18-43	Exten. of S.A. to opr. on 42800, 40kw, spec emiss. for FM from 6-19-43 to 7-18-43.			
S.A.	7-14-43	Exten. of S.A. to opr. on 42800, 40kw, spec. emiss. for FM from 7-19-43 to 8-17-43.			
S.A.	7-14-43	Exten. of S.A. to retransmit transmission of W65H and W43B from 7-19-43 to 8-17-43.			
S.A.	8-7-43	Exten. of S.A. to opr. on 42800, 40kw, spec emiss. for FM from 8-18-43 to 9-16-43.			
S.A.	8-10-43	Exten. of S.A. to retransmit transmissions of W65H and W43B from 8-18-43 to 9-16-43.			
S.A.	9-15-43	Exten. of S.A. to retransmit transmission of W65H and W43B from 9-17-43 to 10-16-43.			
S.A.	9-16-43	Exten. of S.A. to opr. on 42800, 40kw, spec. emiss. for FM from 9-17-43 to 10-16-43.			
S.A.	10-13-43	Exten. of S.A. to retransmit transmiss. of W65H and W43B from 10-17-43 to 11-15-43.			
S.A.	10-13-43	Exten. of S.A. to opr. on 42800, 40kw, spec. emiss. for FM from 10-17-43 to 11-15-43.			

B.S. #44

BROADCASTING STATION LICENSE RECORD High Freq. Exp.

CARD #6

Date first licensed

Call letters W 2 X M N.....

Name of licensee EDWIN H. ARMSTRONG.....

Transmitter location see card #1.....

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Freq.	Power	Time Div.	Period From - To
S. A.	11-11-43	Exten. of S.A. to opr. on	42800, 40kw,		spec. emiss. for FM from 11-16-43 to 12-15-43
S. A.	11-11-43	Exten. of S.A. to retransmit transmiss.			of WDRC-FM and WGTR from 11-16-43 to 12-15-43.
S. A.	12-15-43	Exten. of S.A. to retransmit transmiss.			of WDRC-FM and WGTR from 12-16-43 to 1-14-44.
S. A.	12-15-43	Exten. of S.A. to opr. on	42800, 40kw,		spec. emiss. for FM from 12-15-43 to 1-14-44.
S. A.	1-13-44	Exten. of S.A. to opr. on	42800, 40000w		power, special emiss. for FM from 1-15-44 to 2-13-44.
S. A.	1-13-44	Exten. of S.A. to retransmit transmiss.			of WDRC-FM and WGTR from 1-15-44 to 2-13-44.
S. A.	2-15-44	Exten. of S.A. to opr. on	42800 kc,		40000w power, special emiss. for FM 2-14 3-14-44
S. A.	2-15-44	to retransmit transmissions of WDRC-FM			and WGTR from 2-14-44 to 3-14-44.
S.A.	3-9-44	Exten. of S.A. to opr. on	42800 kcs,		40kw, Special Emiss. for FM from 3-15-44 to 4-13-44
S.A.	3-9-44	Exten. of S.A. to retransmit transmissions			from WDRC-FM & WGTR from 3-15-44 to 4-13-44.
S.A.	4-12-44	Exten. of S.A. to opr. on	42800 kcs,		44 40kw, Special emiss. for FM from 4-14-44 to 5-13-
S.A.	4-12-44	Exten. of S.A. to retransmit transmissions			from WDRC-FM & WGTR from 4-14-44 to 5-13-44.
S.A.	5-10-44	Exten. of S.A. to retransmit transmis-			sions from WDRC-FM & WGTR from 5-14-44 to 6-12-44.
S.A.	5-10-44	Exten. of S.A. to opr. on	42800 kcs, 40kw,		Special Emiss. for FM from 5-14-44 to 6-12-44.
S.A.	6-9-44	Exten. of S.A. to retransmit transmissio			from WDRC-FM & WGTR from 6-13-44 to 7-12-44.
S.A.	6-9-44	Exten. of S.A. to opr. on	42800 kcs, 40kw,		Special Emiss. for FM from 6-13-44 to 7-12-44.
S.A.	7-8-44	Exten. of S.A. to opr. on	42800 kcs,		40kw, Special Emiss. for FM from 7-13-44 to 8-11-44
S.A.	7-8-44	Exten. of S.A. to retransmit transmis-			sions from WDRC-FM & WGTR from 7-13-44 to 8-11-44

B.S. #144
Card #7

BROADCASTING STATION LICENSE RECORD

EXP.H.P.B.

Date first licensed

Call letters W 2 X M N

Name of licensee EDWIN H. ARMSTRONG

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Freq.	Power	Time Div.	Period From- To-
S.A.	8-8-44	Exten. of S.A. to opr. on 42800 kcs, 40kw, Special Emis. for FM			8-12 9-10-44
S.A.	8-8-44	Exten. of S.A. to retransmit transmissions from WDRC-FM and WGTR			8-12 to 9-10-44
S.A.	9-11-44	Exten. of S.A. to opr. on 42800 kcs, 40kw, Special Emis. for FM			9-11-44 to 10-10-44
S.A.	9-11-44	Exten. of S.A. to retransmit transmissions from WDRC-FM and WGTR			9-11-44 to 10-10-44
S.A.	10-16-44	Exten. of S.A. to retransmit transmissions from WDRC-FM and WGTR			10-11-44 to 11-9-44
S.A.	10-16-44	Exten. of S.A. to opr. on 42800 kcs, 40kw, Special Emis. for FM			10-11-44 to 11-9-44
S.A.	11-9-44	Exten. of S.A. to retransmit transmissions from WDRC-FM and WGTR			11-10-44 to 12-9-44
S.A.	11-9-44	Exten. of S.A. to opr. on 42800 kcs, 40kw, Special Emis. for FM			11-10-44 to 12-9-44
S.A.	12-11-44	Exten. of S.A. to retransmit transmissions from WDRC-FM and WGTR			12-10-44 to 1-8-45
S.A.	12-11-44	Exten. of S.A. to opr. on 42800 kcs, 40kw, Special Emis. for FM			12-10-44 to 1-8-45
S.A.	1-9-45	Exten. of S.A. to opr. on 42800 kcs., 40kw, Special Emis. for FM			1-9-45 to 2-7-45
S.A.	1-9-45	Exten. of S.A. to retransmit transmissions from WDRC-FM and WGTR			1-9-45 to 2-7-45
S.A.	2-8-45	Exten. of S.A. to opr. on 42800 kcs, 40kw, Special Emis. for FM			2-8-45 to 3-9-45

B.S.

#44
Card #8

BROADCASTING STATION LICENSE RECORD

EXP. H.F.B.

Date first licensed

Call lettersW.2.X.M.N.....

Name of licenseeEDWIN H. ARMSTRONG.....

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Freq.	Power	Time Div.	Period From- To-
S.A.	2-8-45	Exten. of S.A. to retransmit transmissions from WDRC-FM and WGTR from 2-8-45 to 3-9-45			
S.A.	3-10-45	Exten. of S.A. to opr. on 42800 kcs. 40kw, Special Emiss. for FM from 3-10-45 to 4-8-45			
S.A.	3-10-45	Exten. of S.A. to retransmit transmissions from WDRC-FM and WGTR from 3-10-45 to 4-8-45			
S.A.	4-9-45	Exten. of S.A. to opr. on 42800 kcs. 40kw, Special Emiss. for FM from 4-9-45 to 5-8-45			
S.A.	4-9-45	Exten. of S.A. to retransmit transmissions from WDRC-FM and WGTR from 4-9-45 to 5-8-45			
S.A.	5-5-45	Ext. of S.A. to retransmit transmissions from WDRC-FM and WGTR from 5-9-45 to 6-7-45			
S.A.	5-5-45	Exten. of S.A. to operate on 42,800 kcs. 40kw, Special Emiss. for FM from 5-9-45 to 6-7-45			
S.A.	6-6-45	Ext. of S.A. to retransmit transmission from WDRC-FM and WGTR from 6-8-45 to 7-7-45			
S.A.	6-6-45	Exten. of S.A. to operate on 42.8 Mcs. 40kw, Special Emiss. for FM from 6-8-45 to 7-7-45			
S.A.	7-2-45	Exten. of S.A. to operate on 42.8 Mcs. 40kw, Special Emiss. for FM from 7-8-45 to 8-6-45			
S.A.	7-2-45	Ext. of S.A. to retransmit transmissions from WDRC-FM and WGTR from 7-8-45 to 8-6-45			
S.A.	8-6-45	Ext. of S.A. to retransmit transmissions from WDRC-FM and WGTR from 8-7-45 to 9-5-45			
S.A.	8-6-45	Ext. of S.A. to operate on 42.8 mcs., 40kw, Special Emiss. for FM from 8-7-45 to 9-5-45			

B.S. #44

BROADCASTING STATION LICENSE RECORD

EXP. H.F.B.

Card #9

Date first licensed

Call letters W 2 X M N

Name of licensee EDWIN H. ARMSTRONG

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Freq.	Power	Time Div.	Period From- To-
S.A.	9-6-45 10-5-45	Ext. of S.A. to retransmit trans- missions from WDRC-FM and WGTR from 9-6-45 to			
S.A.	9-6-45 10-5-45	Ext. of S.A. to operate on 42.8 mcs., 40kw, Special Emiss. for FM from 9-6-45 to			
S.A.	10-1-45	Ext. of S.A. to retransmit transmissions from WDRC-FM and WGTR from 10-6-45 to 11-4-45			
S.A.	10-2-45	Ext. of S.A. to operate on 42.8 mcs., 40kw, Special Emission for FM from 10-6-45 to 11-4-45.			
S.A.	11-6-45	EXT. of S.A. to retransmit transmis- sions from WDRC-FM and WGTR from 11-5-45 to 12-4-45.			
S.A.	11-6-45	EXT. of S.A. to operate on 42.8 mcs., 40kw, special emiss. for FM from 11-5-45 to 12-4-45.			
S.A.	12-5-45	EXT. of S.A. to retransmit transmissions from WDRC-FM and WGTR from 12-5-45 to 1-3-46.			
S.A.	12-5-45	EXT. of S.A. to operate on 42.8 mcs., 40kw, Special Emission for FM from 12-5-45 to 1-3-46.			
S.A.	1-3-46	EXT. of S.A. to retransmit transmissions from WDRC-FM and WGTR from 1-4-46 to 2-2-46			
S.A.	1-3-46	EXT. of S.A. to operate on 42.8 mcs., 40kw Special Emission for FM from 1-4-46 to 2-2-46			
S.A.	2-1-46	EXT. of S.A. to retransmit the trans- missions of High Frequency B/C Stations WDRC-FM and WGTR for the period beginn- ing 2-3-46 and ending in no event later than 3-4-46, in order to continue re- broadcasting experiments.			
S.A.	2-1-46	EXT. of S.A. to operate a High Frequen- cy Experimental B/C Station on 42.8mcs. 40000 watts power, special emission for frequency modulation, with transmitter			

B.S. 44
Card #10
BROADCASTING STATION LICENSE RECORD

Date first licensed

Call letters W 2 X M N

Name of licensee EDWIN H. ARMSTRONG

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Freq.	Power	Time Div.	Period From- To
					located at North of Alpine, N. J. and described as follows: Composite, Type RCA, maximum rated carrier power output 40000 watts, for a period beginning 2-3-46 and ending in no event later than 3-4-46 pending commencement of operation of station in accordance with terms of license granted under call WFMN(B1-LH-41).
S.A.	3-4-46	Ext. of S.A.	to operate a	High Frequency	Experimental Broadcast Station on 42.8 Mcs., 40,000 watts power, special emission for frequency modulation, with transmitter located at North of Alpine, N.J. and described as follows: Composite, Type RCA maximum rated carrier power output 40,000 watts, for a period beginning Mar. 5, 1946 and ending in no event later than Apr. 3, 1946 pending commencement of operation of station in accord. with terms of license granted under the call WFMN(B1-LH-41).
S.A.	3-5-46	Ext. of S.A.	to retransmit the trans-	missions of H.F. B/C Sta. WDRC-FM and WGTR for the period beginning Mar. 5, 1946 and ending in no event later than Apr. 3, 1946, in order to continue rebroadcasting experiments.	
S. A.	4-1-46	Ext. of S. A.	to retransmit the trans-	missions of High Frequency B/C Stations WDRC-FM and WGTR for the period beginning 4-4-46 and ending in no event later than 5-3-46, in order to continue rebroadcasting experiments.	
S. A.	4-1-46	Ext. of S. A.	to operate a High Frequency	Experimental B/C Station on 42.8 mcs., 40,000 watts power, special emission for frequency modulation, with transmitter located at North of Alpine, N. J. and described as follows: Composite Type RCA, maximum rated carrier power output 40,000 watts, for a period beginning 4-4-46 and ending in no event later than 5-3-46 pending commencement of operation of station in accordance with terms of license granted under the call WFMN(B1-LH-41).	
S. A.	4-29-46	Ext. of S. A.	to operate a High Fre-	quency Experimental Broadcast Station on 42.8 mcs., 40,000 watts power, special emission for FM, with transmitter located at North of Alpine New Jersey, and described as follows: Composite	

#44

B.S.

BROADCASTING STATION LICENSE RECORD

EXP. H. F. B.

CARD #11

Date first licensed

Call lettersW.Z.X.M.U.....

Name of licenseeEDWIN H. ARMSTRONG.....

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Freq.	Power	Time Div.	Period From- To-
					Type RCA, maximum rated carrier power output 40,000 watts, for a period beginning May 4, 1946 and ending in no event later than June 2, 1946, pending commencement of operation of station in accordance with terms of license granted under the call WFMN (21-LH-41).
S. A.	4-29-46				Ext. of S. A. to retransmit the transmissions of High Frequency Broadcast Stations WDRC-FM and WGTR for the period beginning May 4, 1946 and ending in no event later than June 2, 1946, in order to continue rebroadcasting experiments.
Letter	6-5-46				STA to operate a HF broadcast station on 42.8 mcs. 40 kw power, special emission for FM, with trans. located at Alpine, NJ Composite, Type RCA, max. rated carrier power output 40 kw. for period June 5 to July 4, 1946 pending commencement of operation of station in accordance with terms of license granted under call WFMN
STA	6-5-46				STA to retransmit the transmissions of HF broadcast station WDRC-FM and WGTR for period June 5 to July 4, 1946 in order to continue rebroadcasting experiments
Letter	7-2-46				Ext. of STA to operate HF experimental broadcast station on 42.8 mcs. 40,000 watts, special emission for FM with transmitter located at North of Alpine, NJ and described as follows: Composite, type RCA, max. rated carrier power output 40 kw for period beginning 7-5-46 and ending in no event later than 8-3-46 pending commencement of operation of station in accordance with terms of license granted under WFMN
Letter	7-2-46				Ext. of STA to retransmit the transmissions of HF broadcast stations WDRC-FM and WGTR for period beginning 7-5-46 and ending in no event later than 8-3-46 in order to continue rebroadcasting experiments.

B-S CARD #12

BROADCASTING STATION LICENSE RECORD

EXP. H.F.B.

Date first licensed

Call letters W 2 X M N

Name of licensee EDWIN H. ARMSTRONG

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Freq.	Power	Time Div.	Period From To
Letter	7-30-46	EXT. of STA to operate a HF experimental B/cast station on 42.8 mc. 40,000 watts power, special emission for FM, with trans. located at North Alpine, N.J. and described as follows: Composite, type 1CA, max. rated carrier power output 40,000 watts, for period 8-4-46 to 9-2-46 ending commencement of operation of station in accordance with terms of license granted under call WFMN (B1-LH-41).			
Letter	7-30-46	EXT of STA to retransmit the transmissions of HF B/cast stations WDRC-FM and WGTR for period 8-4-46 to 9-2-46 in order to continue rebroadcastings exp.			
Telegram	12-20-46	Temporary assignment effective 1-1-47 or as soon thereafter as equipment may be modified, in no event later than 2-1-47.			
Telegram	12-24-46	Ext. Sta. to retransmit the transmissions of HF B/C stns WDRC-FM and WGTR fr 1-1-47 to 3-2-47 & 12-24-46 EXT & MOD of STA to oper. HF Exp. B/ on 44.1mcs. 40kw, Spec-FM with transm. Alpine, N.J.			1-1-47 3-2-47
Letter	2-28-47	EXT. STA to operate HF Exp. B/C on 44.1mc 40kw power, Spec-FM with transmitter at North of Alpine, N.J. for period beginning 3-3-47 and ending in no event later than 5-1-47 pdg. commencement of operation in acc. with terms of license granted under Call WFMN(B1-LH-41).			
Letter	2-29-47	EXT STA to retransmit HF B/C stn. WDRC-FM & WGTR for period beginning 3-3 to continue rebroadcasting experiments.			3-3 5-1-47
Letter	4-29-47	EXT. STA. to operate on 44.1mc .40 kw, Special Emission for FM with transmitter located at North of Alpine, N.J. for period beginning 5-1-47 and ending in no event later than 3 am EST 6-29-47, pdg. commencement of operation in acc. with terms of license granted under Call WFMN (B1-LH-41).			
Letter	4-29-47	EXT. STA to retransmit the transmissions WDRC-FM and WGTR for period beginning 3 am EST, 5-1-47 and ending in no event later than 6-29-47 in order to continue rebroadcasting experiments.			

BROADCASTING STATION LICENSE RECORD

Card #13

Date first licensed

Call letters W 2 X M N

Name of licensee EDWIN H. ARMSTRONG

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Mcs. Freq.	E. R. P. Power	Time Div.	Period From- To-
Telegram	5-28-47	Relet Attorney. Authority extended operate 92.5 mcs. max. power 5 kw purpose investigating problems of 400 kc separation of FM stations using special emission for frequency modulation for period ending 7-1-47. Authorization is in addition to 44.1 mcs. authorization.			
Telegram	6-27-47	Relet Attorney. Authority extended operate 92.5 mcs. max. power 5 kw purpose investigating problems of 400 kc separation of FM stations using special emission for frequency modulation for period ending 8-1-47. Authorization is in addition to 44.1 mcs. authorization.			
Telegram	7-23-47	Ext. authority operate on 92.5 mcs., etc. (as above) period ending 9-1-47			
	6-25-47	EXT. of STA to operate a High Frequency Exp. B/O station on 44.1 mcs, 40 kw power, Special Emission for FM, with transmitter located at North of Alpine, N.J. and described as follows: Comsolite, Type 30A, maximum rated carrier power output 40 kw, for a period beginning 6-30-47 and ending in no event later than 3 a.m., EST, 8-28-47 pending commencement of operation in accordance with terms of license granted under Call WFM (31-24-41).			
	6-25-47	EXT. of STA to retransmit the transmissions of FM B/O stations WDRG-FM and WTR for a period beginning 6-30-47 and ending in no event later than 3 a.m., EST, 8-28-47 in order to continue retransmitting experiments.			
Telegram	8-26-47	EXT. of STA operate on 92.5 mcs., etc period ending 10-1-47			
	8-26-47	EXT. of STA to operate a High Frequency Exp. B/O station on 44.1 mcs, 40 kw power, Special Emission for FM, with transmitter located at North of Alpine, N.J. and described as follows: Comsolite, Type 30A, maximum rated carrier power output 40 kw, for a period beginning 8-30-47 and ending in no event later than 3 a.m., EST, 10-27-47 pending commencement of operation in accordance with terms of license granted under Call WFM (31-24-41).			
	8-26-47	EXT. of STA to retransmit the transmissions of FM B/O stations WDRG-FM and WTR for a period beginning 8-30-47 and ending in no event later than 3 a.m., EST, 10-27-47 in order to continue retransmitting experiments.			
		etc. ending 10-27-47 WDRGFM & WTR			

B.S.

CARD #14

BROADCASTING STATION LICENSE RECORD

Date first licensed

Call letters W. D. X. 11. 7

Name of licensee ROBERT H. ARMSTRONG

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Freq.	Power	Time Div.	Period From- To
	10-3-47	STA to rebroadcast transmissions of Frequency Modulation b/c station WFAS-FM, White Plains, New York, for a period beginning 10-3-47 and ending in no event later than 12-31-47, in order to continue rebroadcasting experiments.			
	10-21-47	Ext. of STA to retransmit the transmissions etc. WDRC-FM and WGTR ending 12-31-47.			
	10-24-47	Ext. of STA operate on 92.5 mcs., etc. period ending 12-31-47.			
	10-24-47	Ext. of STA to operate a High Frequency Exp. B/C Station 44.1 mcs, 40 kw power, Special Emission for FM, with trans. located at North of Alpine, N. J. etc. period ending 12-31-47.			
	10-21-47	Ext. of STA to rebroadcast transmissions of FM b/c station WOPA-FM, Bethlehem, Pa., for a period beginning 11-2-47 and ending in no event later than 12-31-47.			
	12-23-47	STA to rebroadcast transmissions of Frequency Modulation B C Station WFAS-FM, White Plains, New York, for a period beginning 1-1-48 and ending in no event later than 3-31-48, in order to continue rebroadcasting experiments.			
	12-23-47	Ext. of STA to rebroadcast transmission of Frequency Modulation b/c station WOPA-FM, Bethlehem, Pa for a period beginning 1-1-48 and ending in no event later than 3-31-48.			
	12-23-47	Ext. of STA to operate on 92.5 mcs. etc. for the period beginning 1-1-48 and ending in no event later than 3-31-48.			
	12-23-47	Ext. of STA to operate a High Frequency Experimental Broadcast Station on 44.1 mcs, 40 kw power, special emission for FM, with transmitter located at North of Alpine, N. J. for a period beginning 1-1-48 and ending in no event later than 3-31-48.			

BROADCASTING STATION LICENSE RECORD

Date first licensed

Call letters W 2 X M NName of licensee EDWIN H. ARMSTRONG

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Freq.	Power	Time Div.	Period From To
	12-23-47	Ext. of	STA to retransmit		the transmission of High Frequency B/C Stations WDRC-FM and WGTR, for a period beginning 1-1-48 and ending in no event later than 3-31-48, in order to continue rebroadcasting experiments.
	2-20-48	STA to rebroadcast	transmissions of Frequency Modulation B/C WABF, New York, N. Y. for the evening February 20, 1948 in connection with special arranged commemorative program, produced by Stromberg-Carlson.		
B/C Station on 92.5 mcs. ending no event later than 12-31-47, etc.	3-26-48	Mod. & Ext. STA to operate	Developmental		period beginning April 1, 1948 ending no event later than June 1, 1948. Accordance author.
Station on 44.1 mcs., Alpine, N. J. etc.	3-26-48	Mod. & Ext. STA operate	Developmental B/C		period beginning April 1, 1948 and ending no event later than June 1, 1948.
New York, WGPA-FM, Bethlehem, Pa. 1948 ending no event later than June 1, 1948. etc.	3-26-48	Ext. STA rebroadcast	WFAS-FM, White Plains		period beginning April 1, 1948 ending no event later than June 1, 1948. etc.
period beginning April 1, 1948 ending no event later than June 1, 1948, etc.	3-26-48	Ext. STA retransmit	WDRC-FM & WGTR,		period beginning April 1, 1948 ending no event later than June 1, 1948, etc.
Station on 44.1 mcs., Alpine, N. J. 1948 ending no event later than August 1, 1948., etc.	5-25-48	EXT. STA to operate as	Developmental B/C		Station on 44.1 mcs., Alpine, N. J. period beginning June 2, 1948 ending no event later than August 1, 1948., etc.
N. Y., WGPA-FM, Bethlehem, Pa. ending no event later than August 1, 1948.	5-25-48	Ext. STA rebroadcast	WFAS-FM, White Plain		N. Y., WGPA-FM, Bethlehem, Pa. period beginning June 2, 1948 ending no event later than August 1, 1948.
period beginning 6-2-48 ending no event later than 8-1-48 etc.	5-25-48	Ext. STA retransmit	WDRC-FM & WGTR		period beginning 6-2-48 ending no event later than 8-1-48 etc.
Station WNYC-FM, N.Y. ending no event later than 8-30-48 in order to continue rebroadcasting experiments.	6-30-48	STA to rebroadcast	transmissions FM B/C		Station WNYC-FM, N.Y. period beginning 6-30-48 ending no event later than 8-30-48 in order to continue rebroadcasting experiments.

BROADCASTING STATION LICENSE RECORD

HIGH FREQUENCY BROADCAST

Date first licensed

Call letters W 2 X M N

Name of licensee EDWIN H. ARMSTRONG

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Freq.	Power	Time Div.	Period From- To-
	7-16-48	STA to rebroadcast transmissions of freq mod. B/C sta WJLK, Asbury Park, N.J., period 7-17-48 to 9-16-48 in order to continue rebroadcasting experiments.			
	7-21-48	EXT. STA to operate as Developmental B/C Station on 44.1 mcs., Alpine, N.J. period beginning August 2, 1948 ending no event later than October 1, 1948, etc.			
	7-19-48	EXT. STA to rebroadcast transmissions of FM B/C Stations, WFAS-FM, White Plains, N. Y. and WCPA-FM Bethlehem, Pa. for a period beginning 8-2-48 ending in no event later than 10-1-48, in order to continue rebroadcasting experiments.			
	7-19-48	EXT. OF STA to retransmit the transmissions of B/C Stations WDRC-FM and WGTR, for a period beginning 8-2-48 and ending in no event later than 10-1-48 in order to continue rebroadcasting experiments.			
	8-30-48	EXT. STA to rebroadcast transmissions of Frequency Modulation Broadcast Station WNYC-FM, New York City, N.Y., for the period beginning August 31, 1948 and ending in no event later than October 30, 1948, in order to continue rebroadcasting experiments.			
	9-15-48	Ext. STA to rebroadcast transmissions of FM B/C Station 42.9 FM , etc., period 9-17-48 to 11-16-48.			
	9-20-48	Ext. STA to operate as a Developmental B/C Station on 44.1 mcs., 40 kw power, special emission for FM, with a Composite Type, RCA transmitter, located at North Alpine, N. J. for the period beginning 10-2-48 and ending in no event later than 12-1-48 etc.			
	9-24-48	Ext. of STA to rebroadcast transmissions of Frequency Modulation B/C Stations WFAS-FM, White Plains N. Y. and WCPA-FM, Bethlehem, Pa. for a period beginning 10-2-48 and ending in no event later than 12-1-48, in order to continue rebroadcasting experiments.			
	9-24-48	Ext. of STA to retransmit the transmissions of B/C Stations WDRC-FM and WGTR, for the period beginning 10-2-48 and ending in no event later than 12-1-48, in order to continue rebroadcasting experiments.			

Date first licensed

Call letters W 2 X M N (STA only)

SEE Card #1

& (operate 44.1 mg)

← STAs for rebroadcasts of
FM programs by Commercial
License Station KE2XCC (for-
merly W2XEA)

Name of licensee EDWIN H. ARMSTRONG

Transmitter location

Main studio location

CONSTRUCTION PERMIT AND LICENSE RECORD

Appl. No.	Date Issued	Freq.	Power	Time Div.	Period From- To-
	10-28-48	Ext. STA rebroadcast transmissions of FM B/C Station WNYC-FM, New York City, N.Y., for the period 11-1-48 to 12-31-48, in order to continue rebroadcasting experiments.			
	11-15-48	Ext. STA to rebroadcast transmissions of FM B/C Station WJLK, Asbury Park, N.J., period 11-17-48 to 12-31-48, to continue rebroadcasting experiments.			
	12-1-48	Ext. STA to rebroadcast transmissions of FM B/C Station WFAS-FM, White Plains, N.Y., and WGPA-FM, Bethlehem, Pa., period 12-2-48 to 12-31-48, in order to continue rebroadcasting experiments.			
	12-1-48	Ext. STA to retransmit transmissions of B/C Stations WDRG-FM and WGTN, period 12-2-48 to 12-31-48 in order to continue rebroadcasting experiments.			
	12-1-48	Ext. STA to operate as Developmental B/C Station on 44.1 mcs., 40 kw. power, special emission for FM, with Composite Type, RCA transmitter, located at North Alpine, N.J., period 12-2-48 to 12-31-48; pending commencement of operation in accordance with terms of license granted Station WFEM (BLH-41) (oper. on Stay Order since this date)			
	2-24-49	Ext. STA retransmit transmission of b/c WDRG-FM and WGTN period 3-1-49 to 5-31-49			
	2-24-49	Ext. STA rebroadcast transmission of FM Stations WFAS-FM and WGPA-FM period 3-1-49 5-31-49			
	2-24-49	Ext. STA rebroadcast transmissions of FM Station WJLK period 3-1-49 to 5-31-49			
	2-24-49	Ext. STA rebroadcast trans. of FM b/c station WJLK period 3-1-49 to 5-31-49			
	5-2-49	Ext. STA retransmit transmission of b/c Stations WDRG-FM and WGTN period 6-1-49 to 8-31-49			
	5-2-49	Ext. STA re/b/c trans. of FM b/c stations WFAS-FM and WGPA-FM period 6-1-49 to 8-31-49			
	5-2-49	Ext. STA re/b/c trans. of FM station WJLK period 6-1-49 to 8-31-49			
	5-2-49	Ext. STA rebroadcast trans. FM b/c station WJLK period 6-1-49 to 8-31-49			
	9-30-49	EXT STA rebroadcast trans. FM b/c station WJLK, WGPA-FM, WNYC-FM period 9-1-49 to 11-30-49 (three authorizations)			

BROADCASTING STATION LICENSE RECORD

Date first licensed

Call letters KE2ICC - STA'pSTAs for rebroadcast of FM programs by Commercial
License Station KE2ICC (formerly W2XEA)Name of licensee EDWIN H. ARMSTRONG

Transmitter location

Main studio location

APPLICATION RECORD - ~~COMMERCIAL~~

Class ~~General Experimental~~
HIGH FREQUENCY BROADCAST

Call
Letter W 2 X M N

Name EDWIN H. ARMSTRONG

Transmitter
Location ~~Site to be determined (New York City)~~
North of Alpine, New Jersey (Bergen Co.)
(P.O. 435 E. 52nd St., N.Y. City)

File No.	Date	Application for	Action	
			Nature	Date
B-1-PE-186	4-27-36	C.P. for 41600, 86500, 111000 kc. 40 kw. Freq. modulation emission.	GRANTED	6-12-36
B-1-MPE-24	6-22-36	Modification of C.P. to add 41600 kc.	GRANTED	7-17-36
B1-MPHB-1	10-21-36	Modification of C.P. for extension of completion date from 2-12-37 to 4-12-37 and approval of a definite transmitter site.	GRANTED	12-15-36
B1-MPHB-4	7-29-37	Modification of C.P. for extension of commencement date from 2-15-37 to 12-15-37 and completion date from 8-15-37 to six months after 12-15-37	GRANTED	8-18-37
B1-MPHB-26	5-14-38	Modification of C. P. for extension of completion date for construction from 6-15-38 to six months later.	GRANTED	10-3-38

(OVER)

File No.	Date	Application for	Action	
			Nature	Date
B1-LHB-27	9-9-38	License to cover C. P. (B1-PE-186)	GRANTED	10-3-38
B1-MLHB-10	10-31-38	Modification of License to change one of the frequencies from 41600 kc. to 42800 kc.	RETURNED Appl. not necessary	6-28-39
B1-RHB-44	1-30-39	Renewal of license	GRANTED	4-10-39
B1-RHB-44	1-31-40	Renewal of license	GRANTED	4-16-40

*Suppl. B1-LH-41 for
FM station*

About the History Cards ...

History Cards were first used by the Department of Commerce to keep track of applications filed by, and changes to, the earliest AM broadcast stations in the early 1920s. The records were subsequently transferred to the Federal Radio Commission in 1927, and after that to the Federal Communications Commission when that agency was created in 1934. These cards gradually grew into a large card file.

FM History Cards were initiated in the early 1940s, with the authorization of the earliest FM stations in the FM band, then at 42 to 50 MHz. (The band was shifted to its present location, 88 to 108 MHz, in 1946.) History Cards remained in use until the creation of the first computerized database in 1980 to track broadcast applications, the Broadcast Application Processing System (BAPS). However, the Commission did not transfer the data from the History Cards to the new system. Instead, it retained the History Cards in their original form for reference.

In 1999, the Commission moved to a new location (445 12th Street SW), and also at that time created the successor database to BAPS, the Consolidated DataBase System (CDBS). Prior to that move, the History Cards were transferred to microfiche by a contractor (only a few sets of microfiche exist), and the original paper cards were destroyed. The History Cards were stored on the microfiche as negative images, like those you see above.

History Cards contain very brief entries and notes about station facilities, applications, and ownership. They are not, and never were intended to be, a comprehensive record of a station's operations. Nevertheless, they can be useful to help determine, for example, when a station first went on the air and its call letters at that time. History Card comments were generally typed onto the cards, and thus some records will show more faintly or with more smudging than others, depending on the quality of typewriter and ribbon then used. Occasional handwritten comments, corrections, and strikeouts may also be found. Cards may be incomplete, missing, or occasionally out of sequence.

The History Cards are presented here as they were copied to microfiche, to preserve this record for public use, and with the hope that they will be of value to future researchers of radio station history.

