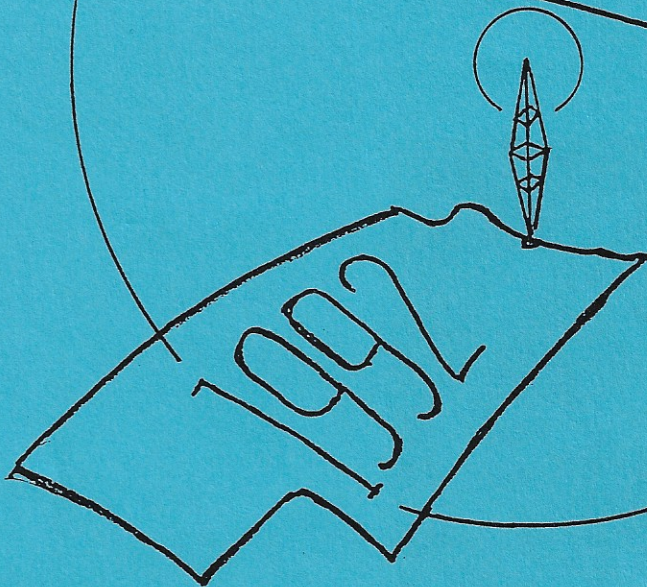




NATIONAL RADIO CLUB

Omaha, Nebraska



Annual
Convention

September 4-5-6

Welcome!

Welcome to OMAHA...
and the 1992 NATIONAL RADIO CLUB CONVENTION!

Your Convention Hosts want this to be a memorable event. We hope that you will enjoy the Convention activities we have arranged for you, meet new and old friends, and have a chance to see some of our city, the Big O.

If you have any questions, please ask one of your Hosts. You'll know them by the Big Red shirts.

Your 1992 Convention Hosts:

Ernie Wesolowski
Bob McCoy
Dan Bartek

Cum Chadwick
Neil Zank
Carl Mann

Mike Hawk
Skip Dabelstein
Rodger Merritt



NATIONAL RADIO CLUB


1992 CONVENTION SCHEDULE OF EVENTS

THURSDAY

7:05 P.M. Omaha Royals vs Denver Zephyrs AAA Baseball Rosenblatt Stadium


FRIDAY

1:00 P.M. **REGISTRATION OPENS.** Nebraska Room

1:10 P.M.  Meet for van ride. **CHECK NOTICE BOARD.** West Parking Lot


1:30 P.M. Tour: KIOS, FM 91.5, by Will Perry, G.M.


2:00 P.M. Tour: Union Pacific R.R. Harriman Dispatch Center

3:00 P.M.  Meet for Van Ride. West Parking

3:30 P.M. Tour: Union Pacific R.R. Harriman Control Center.

5:30 P.M. Return to Hotel.

8:00 P.M.  **VIDEO PRESENTATION: History of Omaha Radio & TV** Nebraska Room
by Ernie Wesolowski.


9:45 P.M.  **PRESENTATION: NEBE: Nebraska Beverage Antenna Project-1972** Nebraska Room
by Skip Dabelstein.

12:00 Midnight Nebraska Room Closes.

SATURDAY

6:30 A.M. FRIENDSHIP ROOM opens for Breakfast for Hotel Guests.

7:30 A.M. NEBRASKA ROOM opens. ☐ Coffee Available.

12:00 NOON  Meet in WEST parking lot for tour departure. West Parking Lot.

1:00 P.M. U.S. STRATCOM Underground Command Post. Offutt A.F.B.

No cameras or bags permitted!


2:00 P.M. Bus will drive by stations.

3:30 P.M. **Tour:** 911 Emergency Communications Center. Civic Center

5:00 P.M. Return to Hotel.

6:00 P.M.  Meet for bus departure for BANQUET. West Parking Lot.

6:30 P.M. **N.R.C. BANQUET** Venice Inn, 69th & Pacific.

8:00 P.M.  Guest Speaker: Bruce Elving, Esko, MN: *FM DXing*

9:15 P.M.  Bus departs for Hotel.

10:30 P.M.  **59TH ANNUAL N.R.C. BUSINESS MEETING** Nebraska Room

No Proxy Votes! No Weapons! No NonMember Lawyers unless invited!

12:00 Midnight Nebraska Room Closed.

DX TESTS: KNRC AM-640 & FM-99.3. Reg programming ND Ant.

SUNDAY


5:00 A.M. Friendship Room OPEN for Breakfast for Hotel Guests.

7:30 A.M. Nebraska Room opens. ☐ Coffee available.

9:00 A.M.  **TECHNICAL TALK: JOHN BOWKER, FLORIDA.** Nebraska Room

10:00 A.M.  **TECHNICAL TALK: FRED VOBBE, OHIO.** Nebraska Room

11:00 A.M. **DX QUIZ** by Frank Merrill, Illinois. Nebraska Room

12:00 NOON  Meet for van trip to **Luncheon.** East Parking Lot

12:45 P.M. **LUNCHEON.** BOHEMIAN CAFE, 1406 S.13th.

2:00 P.M. Depart for Hotel.

3:00 P.M. **NEBRASKA CRISS-CROSS QUIZ** by Mike Hawk. Nebraska Room

3:30 P.M. Bring AUCTION items to Nebraska Room.

4:00 P.M. **1992 N.R.C. AUCTION.** Nebraska Room

6:30 P.M. Break for Dinner.

8:00 P.M.  **SLIDE PRESENTATION: Latin American Stations** Nebraska Room
by Don Moore, Iowa.

12:00 MIDNIGHT **NEBRASKA ROOM CLOSSES!!**

LOCAL BROADCASTERS

AM

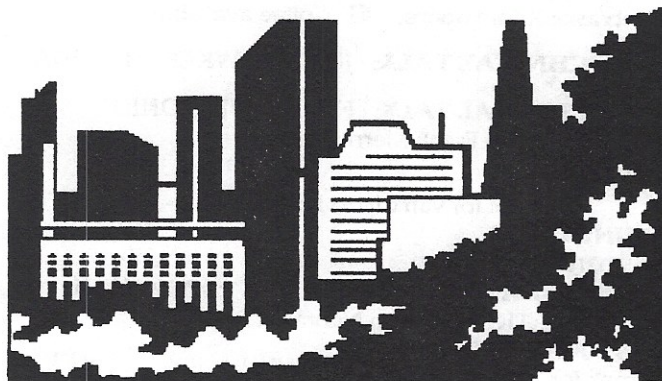
WOW	590	5000/5000	U1	615 N. 90TH St.	68114
KCRO	660	1000	D1	3615 DODGE St.	68131
KFAB	1110	50000/50000	U2	5010 UNDERWOOD St.	68132
KKAR	1180	5000/1000	U4	1001 FARNAM St..	68102
KOIL	1290	5000/5000	U2	1108 DOUGLAS St.	68102
KESY	1420	1000/330	U3	4807 DODGE St.	68132
KEZO	1490	1000/1000	U1	11128 JOHN GALT BLVD.	68137
KLNG	1560	1000	D1	3851 W. SO.OMAHA BRIDGE Rd.	68137
				Council Bluffs, IA	51500

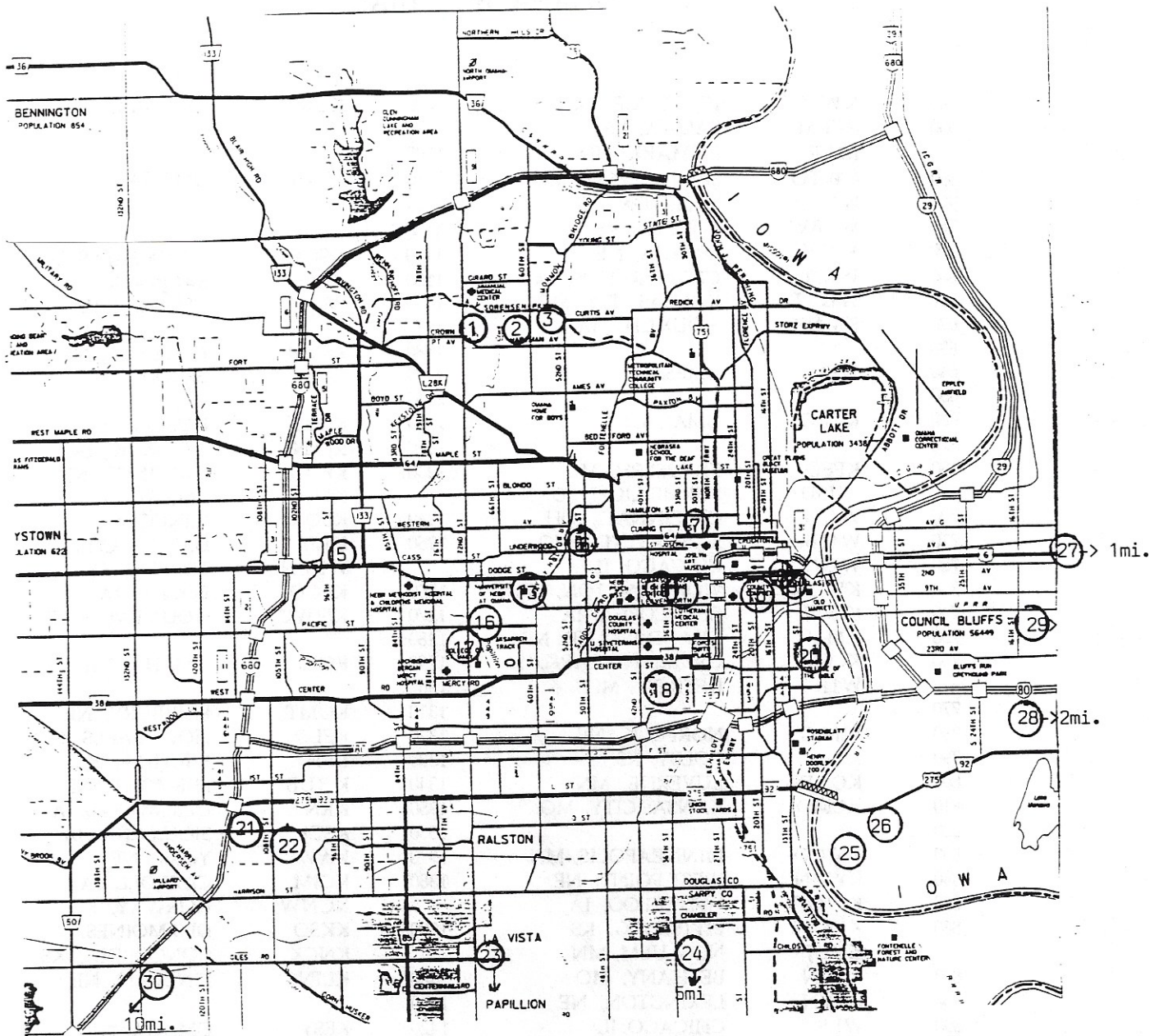
FM

KIWR	89.7	10000	1070 ft.	1700 College Rd.,Council Bluffs IA	51501
KVNO	90.7	3000	3000	6300 DODGE ST.	68182
KIOS	91.5	55000	554	3230 BURT ST.	68131
KEZO	92.3	85000	1211	11128 JOHN GALT BLVD	68137
KRRK	93.3	6000	328	1600 S. 72ND ST	68124
WOW-FM	94.1	100000	1257	615 N.90TH ST.	68114
KEFM	96.1	100000	1440	105 S.70TH ST.	68132
KQKQ	98.5	100000	1086	1001 FARNAM ST.	68102
KGOR	99.9	115000	1230	5010 UNDERWOOD AV.	68132
KGBI	100.7	100000	1161	831 PINE ST.	68108
KXKT	103.7	99000	1247	1108 DOUGLAS ST.	68102
KESY	104.5	100000	1086	4807 DODGE ST.	68132
KKCD	105.9	6000	328	6910 PACIFIC ST.	68106

TV

KMTV	ch 3/cable 5	100000	1370ft.	10714 MOCKINGBIRD DR.	68137
WOWT	6/ 8	100000	1380	3501 FARNAM ST.	68131
KETV	7/ 9	316	1356	2700 DOUGLAS ST.	68131
KUON	12/ 20		830	1800 N.33RD ST.,LINCOLN,NE	68583
KYNE	26/ 11		670	6300 DODGE ST.	68182
KBIN	32/ 12		316	IOWA PUB.TV,DES MOINES ,IA	50306
KPTM	42/ 10	5000		4625 FARNAM ST.	68132





KEY TO MAP OF OMAHA BROADCASTERS

#	Station	Freq.	Tr./Studio	#	Station	Freq.	Tr./Studio
1	KMTV	ch3	T	15	KEFM	96.1	S
	WOWT	ch6	T	16	KKCD	105.9	S
	KETV	ch7	T	17	KRRK	93.3	S
	WOW-FM	94.1	T	18	KEZO	1490	T
2	KCRO	660	T	19	WOWT	ch6	S
3	WOW	590	T	20	KGBI	100.7	S
4	KIOS	91.5	T	21	KEZO AM/FM	1490/92.3	S
5	WOW AM/FM	590/94.1	S	22	KMTV	ch3	S
6	KFAB	1110	S	23	KOIL	1290	T
	KGOR	99.9	S	24	KFAB	1110	T
9	KKAR	1180	S	25	KESY	1420	T
	KQKQ	98.5	S	26	KLNG	1560	S/T
10	KETV	ch7	S	27	KIWR	89.7	T
11	KCRO	660	S	28	KKAR	1180	T
12	KESY AM/FM	104.5/1420	S	29	KBIN	ch32	T
13	KVNO	90.7	S	30	KPTM	ch42	T
	KYNE	ch26	S		KGBI	100.7	T
14	KPTM	ch42	S				

OMAHA BCB DIAL

540	KWMT	FT. DODGE, IA	1080	KOAK	RED OAK, IA
550	KFRM	SALINA, KS	1090		
	KFYR	BISMARCK, ND	1100		
560	KWTO	SPRINGFIELD, MO	1110	KFAB	OMAHA, NE
570	WNAX	YANKTON, SD	1120		
580	WIBW	TOPEKA, KS	1130		
590	WOW	OMAHA, NE	1140	KSOO	SIoux FALLS, SD
600	WMT	CEDAR RAPIDS, IA	1150	KSAL	SALINA, KS
610	WDAF	KANSAS CITY, MO	1160	WJJD	CHICAGO, IL
620	KMNS	SIoux CITY, IA	1170		
630			1180	KKAR	BELLEVUE, NE
640	WOI	AMES, IA	1190	KVSV	BELOIT, KS
650			1200		
660	KCRO	OMAHA, NE	1210	KOKK	HURON, SD
670			1220	KJAN	ATLANTIC, IA
680	KFEQ	ST, JOSEPH, MO	1230	KHAS	HASTINGS, NE
690	KUSD	VERMILLION, SD		KTNC	FALLS CITY, NE
700	WLW	CINCINNATI, OH	1240	KFOR	LINCOLN, NE
710	WHB	KANSAS CITY, MO	1250	KTFJ	DAKOTA CITY, NE
720	WGN	CHICAGO, IL		WREN	TOPEKA, KS
730	KWOA	WORTHINGTON, MN	1260	KFGQ	BOONE, IA
740	KBOE	OSKALOOSA, IA	1270	KNWC	SIoux FALLS, SD
750	KMMJ	GRAND ISLAND, NE	1280		
760	KCCV	OVERLAND PARK, KS	1290	KOIL	OMAHA, NE
	WJR	DETROIT, MI	1300		
770			1310	KGMT	FAIRBURY, NE
780	WJAG	NORFOLK, NE	1320	KELO	SIoux FALLS, SD
790	KXXX	COLBY, KS	1330	KFH	WICHITA, KS
800	KQAD	LUVERNE, MN	1340	KHUB	FREMONT, NE
810	KCMO	KANSAS CITY, MO	1350	KRNT	DES MOINES, IA
820			1360	KSCJ	SIoux CITY, IA
830	WCCO	MINNEAPOLIS, MN	1370	KAWL	YORK, NE
840	KWPN	WEST POINT, NE	1380	KCIM	CARROLL, IA
850	KWOF	WATERLOO, IA		KCNW	FAIRWAY, KS
860	KKOW	PITTSBURG, KS	1390	KKSO	DES MOINES, IA
	KNUJ	NEW ULM, MN		KNCK	CONCORDIA, KS
870	KAAN	BETHANY, MO	1400	KLIN	LINCOLN, NE
880	KRVN	LEXINGTON, NE	1410		
890	WLS	CHICAGO, IL	1420	KESY	OMAHA, NE
900	KJSK	COLUMBUS, NE	1430	KRGI	GRAND ISLAND, NE
910	KINA	SALINA, KS	1440	KMAJ	TOPEKA, KS
	WSUI	IOWA CITY, IA	1450	KWBE	BEATRICE, NE
920	KYFR	SHENANDOAH, IA	1460	KGGO	DES MOINES, IA
930	KOGA	OGALLAL, NE	1470	KWSL	SIoux CITY, IA
940	KIOA	DES MOINES, IA	1480	KFMQ	LINCOLN, NE
950			1490	KEZO	OMAHA, NE
960	KMA	SHENANDOAH, IA	1500		
970	KQAQ	AUSTIN, MN	1510	KTTT	COLUMBUS, NE
980	KMBZ	KANSAS CITY, MO	1520	KSIB	CRESTON, IA
990	KAYL	STORM LAKE, IA	1530	KDSN	DENISON, IA
1000	KOTD	PLATTSMOUTH, NE		KHAT	LINCOLN, NE
1010			1540	KXEL	WATERLOO, IA
1020			1550	KSFT	ST. JOSEPH, MO
1030	KBUF	HOLCOMB, KS	1560	KLNG	COUNCIL BLUFFS, IA
1040	WHO	DES MOINES, IA	1570	KNDY	MARYSVILLE, KS
1050	KLOH	PIPESTONE, MN	1580	KNIM	MARYSVILLE, MO
1060	KNLV	ORD, NE	1590	KTCH	WAYNE, NE
1070	KILR	ESTHERVILLE, IA	1600	KNCY	NEBRASKA CITY, NE

RADIO BROADCASTING STATIONS IN NEBRASKA

AS OF MAY 15, 1922 (From a book by WWJ, DETROIT NEWS)

WOU	Metropolitan Utilities District	Omaha	830,620kcs*
WCAJ	Nebraska Wesleyan University	University Place	830,620kcs
WAAW	Omaha Grain Exchange (on air 3/14)	Omaha	830kcs
WDV	Omaha Daily News (John O. Yeiser, Jr.)	Omaha	830kcs

AS OF 1925 (RADIO AGE, NOV. 1925)

KFAB	Nebraska Buick Auto Co.	Lincoln	880kcs
KFCZ	Omaha Central High School	Omaha	1160
KFEQ	J. L. Scroggin	Oak	1120
KFKX	Westinghouse Elec. & Mfg. Co.	Hastings	1040
KFOR	David City Tire & Electric Co.	David City	1320
KFOX	Board of Ed., Technical High School	Omaha	1210
KFRZ	The Electric Shop	Hartington	1350
WAAW	Omaha Grain Exchange	Omaha	1110
WCAJ	Nebr. Wesleyan Univ., Dept. of Physics	Univ. Place	1050
WFAV	Univ. of Nebr., Dept. of Elec. Engineering	Lincoln	1090
WJAB	American Electric Co.	Lincoln	1310
WJAG	Norfolk Daily News	Norfolk	1060
WNAL	Omaha Central High School	Omaha	1170
WOAE	Midland College	Fremont	1070
WOAW	Woodmen of the World	Omaha	570

AS OF APRIL 13, 1929 (RADIO NEWS, JUNE 1929)

KFAB	Nebraska Buick Auto. Co	5000w	Lincoln	770kcs
KFOR		100w	Lincoln	1210
KGBZ		500w	York	930
KGFW	Roy McConnell	50w	Ravenna	1420
KMMJ		1000w	Clay Center	740
WAAW	Omaha Grain Exchange	500w	Omaha	660
WCAJ	Nebr. Wesleyan Univ.	500w	Lincoln	590
WJAG	Norfolk Daily News	1000w	Norfolk	1060
WOW	Woodmen of the World	1000w	Omaha	590

* Frequencies converted from wavelength in meters by formula $F(kc) = 30000 / \text{Wavelength}$

Researched and edited by CARL MANN (c) 1992

In 1928 radio is still in its first decade. KDKA has been on just 8 years, using 950kHz by the way, and is one of only five 50kw stations in the country. CPs for 4 more are on file with the FCC. CBS and NBC are just one year old, with NBC just this year becoming the first radio network to complete its coast-to-coast hookup.

Radio Magazine estimates 12 million radios in the country with 40 million listeners. Still a novelty, radio DXing starts out strong, but by 1928 the interest is starting to shift toward the tonal quality of the sets. Your radio is huge with heavy outboard batteries and lots of tuning squeals. But low noise levels and uncluttered frequencies let the relatively low powered stations of the nation entertain you from around the country without leaving your easy chair. Signals are bouncing nightly off the ionosphere, careening across the Rockies, skipping against the Great Lakes, allowing millions to hear and picture the ballroom dance bands playing in the late evening hours from hotels that are part of distant city skylines.

But daytime listeners were treated to news, weather, and market reports, plus tea time dance bands (some played even before lunch) as the daytime dial served up regional fare. Most stations came on only for a few hours during the day saving most of their programming resources for the prime evening and night hours. Sundays especially would see stations on in midday with church services, perhaps followed by a dinner hour classic orchestra. This was beginning to change in 1928, thanks to networks supplying daytime programs. By 1930 many stations signed on at 6am and ran all day long.

In Omaha, this is likely what the daytime dial would produce, based on the 1928 Mona Oil (KOIL) New Radio Log, and experiences of the Big O DXers in hearing the 6-state area during midday hours. Daylight operating hours probably varied for most stations but the daytime logbook would fill out like this: (* = licensed to share the frequency)

550	KFDY	Brookings SD	500w	Long gone. May have become KSOO-1140 Sioux Falls.
560	WHO	Des Moines	5kw	Now a 50kw clear on 1040kHz
590	WOW	OMAHA	1kw	Stayed on 590, now 5kw
650	KFNF	Shenandoah IA	2kw	Later shifted to 920kHz, now KFYZ Family Radio
680	WAAW	OMAHA	500w	Omaha's 1st, 50's KOWH-660 Top 40 pioneer, now KCRO
740	WCCO	Minneapolis	5kw	Twin City's only powerhouse then, now 830 50kw
760	KMA	Shenandoah	1kw	On 960 with 5kw today, good regional signal
790	WCAJ	LINCOLN	500w	Has evolved into WJAG on 780 in Norfolk NE
810	WDAF	Kansas City	1kw	810 now has 50kw KCMO; WDAF took 610kHz.
880	*WHB	Kansas City	500w	Went to 710, complex pattern allows 10kw days
	*WOQ	Kansas City	500w	Shared freq with WHB, later disappeared
900	KSAC	Manhattan KS	500w	Later to 580 sharing with WIBW Topeka, now KKSU.
940	*KOIL	COUNCIL BLUFFS	5kw	Moved to Omaha 1936, to 1290kHz in 1941.
	*KFAB	LINCOLN	5kw	Moved to 770 11 mos. later; now Omaha's 50kw 1110kHz
990	WNAX	Yankton SD	1kw	Now producing a mega-groundwave on 570, 5kw
1080	KMMJ	Clay Center NE	500w	Moved to Grand Island NE and 750kHz 10kw daytimer
1110	*KLDS	Independance MO	1.5kw	Went to 1190. 1110 now is Omaha's near-clear KFAB
	*KMBC	Kansas City	1.5kw	Moved to 980 where today it's 5kw
1130	WOI	Ames IA	2.5kw	Owned by IA State Univ, now covers state on 640kHz
1180	*WREN	Lawrence KS	750w	Now on 1250 from Topeka; was off for a while.
	*KFKU	Lawrence KS	500w	Later shared 1250 with WREN, now dark.
1230	KSCJ	Sioux City IA	500w	Still around but at 1360 with 5kw.
1300	KFEQ	St Joseph MO	1kw	Another pioneer, now at 680 5kw
1320	KSO	Clarinda IA	500w	Now Des Moines; recently discarded calls for KGGO-AM.

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* Frequencies converted from wavelength in meters by formula $F(kc) = 30000 / \text{Wavelength}$

LOCAL AMATEUR RADIO REPEATERS

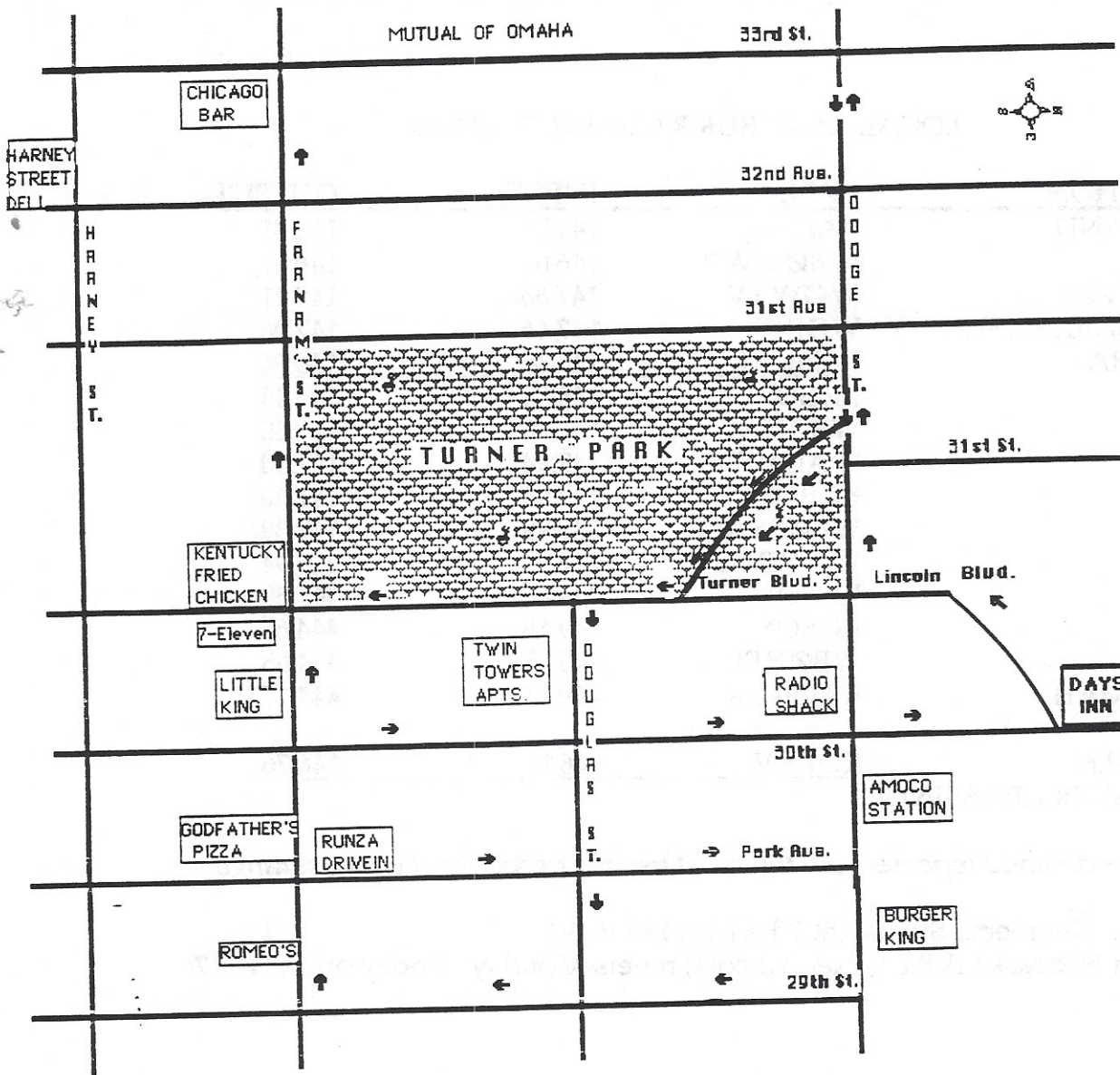
<u>LOCATION</u>	<u>CALL</u>	<u>INPUT</u>	<u>OUTPUT</u>
ASHLAND	KAØBOJ	144.71	145.31
BLAIR	WBØMWB	146.01	146.61
BELLEVUE	WØWYV	147.66	147.21
COUNCIL BLUFFS	WØJJK	147.66	147.06
OMAHA	WØEQU	146.34	146.94
	KØBOY	144.85	145.45
	WBØCMC	146.40	147.00
	WAØWTL	147.90	147.30
	KØBOY	147.96	147.36
	WBØEXA	147.99	147.39
	WBØCMC	222.34	223.94
	KØBOY	449.60	444.60
	KØBOY	449.65	444.65
	WBØHEU	449.65	444.65
TEKAMAH	KAØNCR	449.175	444.175
LINCOLN (BEAVER CROSSING)	<u>KØKKV</u>	146.16	146.76

The underlined repeaters are the most used & generally of greatest range.

A.R.E.S. Net meets Sunday at 9 P.M. on 146.34/94.

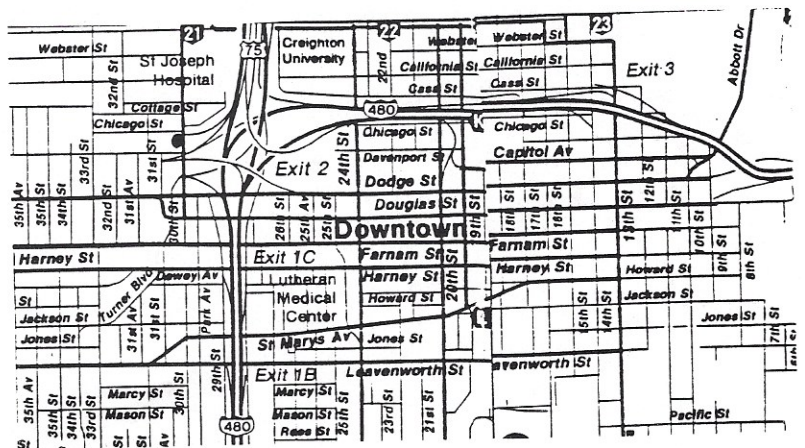
Eastern Nebraska A.R.E.S. Net (Lincoln) meets Monday - Friday on 146.16./76.





Some Restaurants Within Easy Walking Distance of the DAYS INN

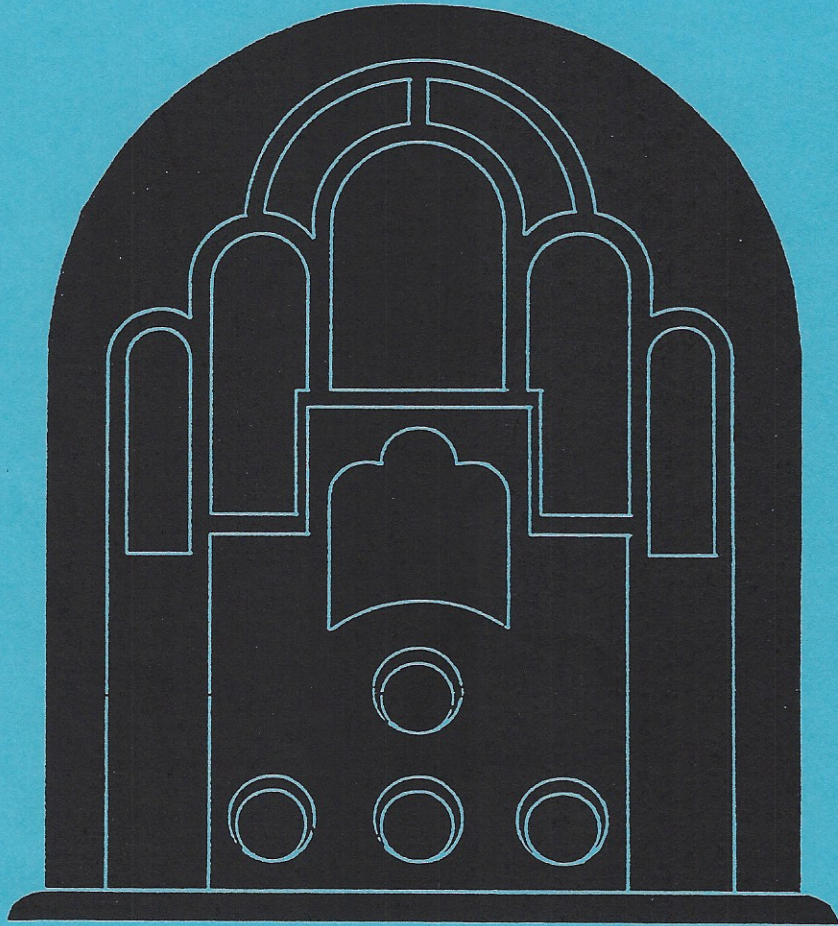
- Burger King 2912 Dodge St.
- Chicago Bar 3259 Farnam St. Hamburgers, etc.
- Godfather's Pizza 2951 Farnam St.
- Harney Street Deli 3229 Harney St.
- Kentucky Fried Chicken 3109 Farnam St.
- Little King 3029 Farnam St. Sandwiches, Pizza.
- Romeo's Mexican Food and Pizza 29th & Farnam
- Runza 2952 Farnam St. Hamburgers, Runza Sandwiches.



ACKNOWLEDGEMENTS

The Convention Committee and the entire membership of the National Radio Club wish to express their gratitude to the following for their support:

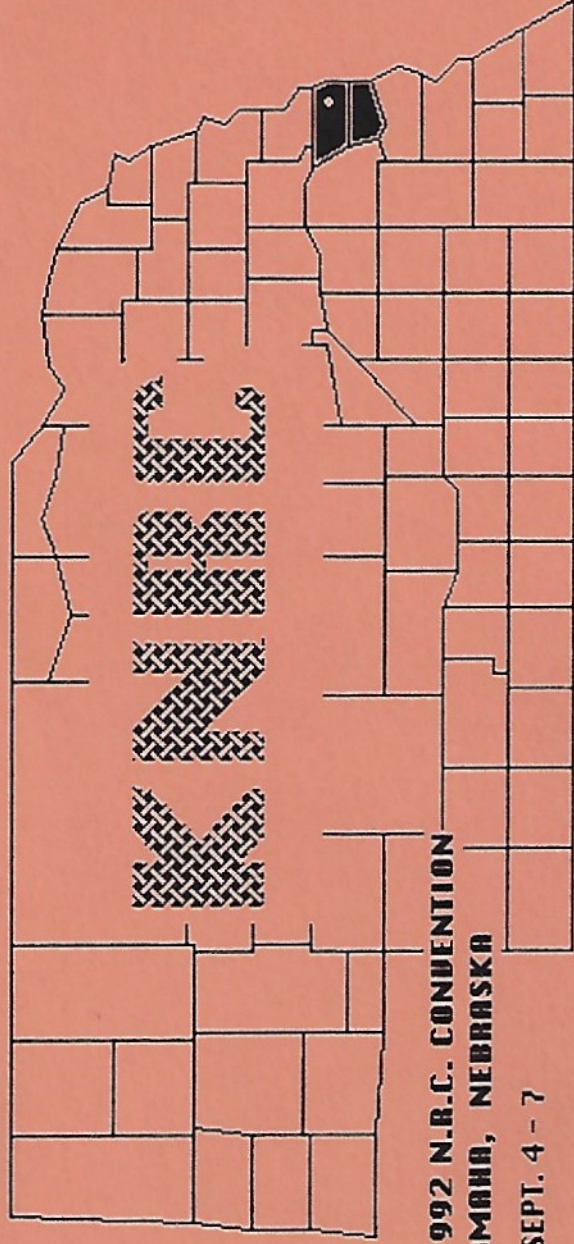
American Radio Relay League	Carl Dabelstein	WDGY
AT&T	Bruce Elving	KQRS
Back To The Bible Bcs.	Ernie Wesolowski	KOY-FM
Best Buy, Inc.	Curn Chadwick	KEEY-FM
Bohemian Cafe	Carl Mann	KRXX
City of Omaha	Rodger Merritt	KNYN
Electronic Equipment Bank	Joe Ullman	KQKQ
General Motors Corp.		KESY
Grove Enterprises		KKAR
Intl. Broadcasting Svcs., Ltd.	I.R.C.A.	WNAX
Kenwood Electronics	National Radio Club	WOWT6
Monitoring Times	S.P.E.E.D.X.	KEFM
Man From Mars Productions		KDWB
Nebr. Wesleyan Univ.		KTCZ
Popular Communications		KGOR
State of Nebraska		KMTV3
Universal Radio, Inc.		KOMJ/KXKT
Yaesu Communications		KOIL
		KKCD
		KIWR
		WOW
		KBOO
		KEZO
		KIOS



640 AM

99.3 FM

CH.4 TD



1992 N.R.C. CONVENTION
OMAHA, NEBRASKA

SEPT. 4 - 7

QSL YR RPT DE KNRC DATE _____ TIME _____ (CDT) FREQ. _____

TH. 73

CHIEF ENGINEER