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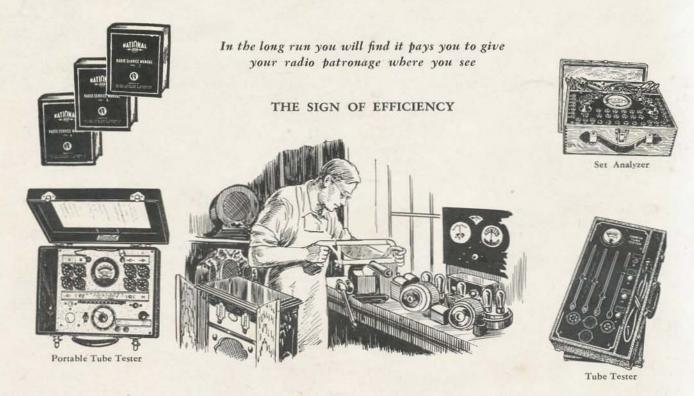
AN AMAZING STORY ABOUT RADIO SOUND EFFECTS Complete Listings of Broadcasting, Short Wave, and Police Stations



NATIONAL UNION manufactures the finest radio tubes that modern science, plus years of experience, can devise. But that is not all National Union means to you.

The ability to repair the thousand and one makes of radio sets quickly and efficiently, depends not only on the intelligence and training of the serviceman, but also on his information about your set circuit and the instruments with which he has to work.

National Union works hand in hand with your radio serviceman so that he can render more efficient service to you in your radio problems. It costs less to have your radio repaired quickly and correctly the first time without a repeat visit to the shop.



# WHO'S WHO BEHIND THE MIKE

MEET THE ANNOUNCERS



HARLOW WILCOX • • • has the job of announcing the majority of evening programs from Columbia's Chicago studios because he's the ace announcer there. Being a salesman by profession and an actor by inclination, he was in a devil of a fix until radio came along and offered him a chance to combine the roles. He's six feet tall, 185 pounds, black hair, brown eyes, is single and 32.



CHARLES O'CONNOR . . . is the youngest of the young at NBC. Was born in Cambridge, Mass., only 23 years ago. Attended Boston College for a year, acted in stock companies and in a theatrical colony and started announcing over WBZ in Boston. He's very much unmarried (girls, address him in care of RADIO STARS), stands five feet eleven and is real good-looking.

PAUL DOUGLAS • • • a six-footer, with blue eyes and dark brown hair, is the fellow who runs the children's show at Columbia. Announces lots of other shows, too, He's 26 years young, tips the scales at 195 (but doesn't look it) and is married. Philadelphia is the old home town. Paul is an extra friendly fellow and everybody's friend in the studio and out.



**CHARLES LYON** • • • was born in Detroit in 1905. He's from NBC, played in movies, was an ordinary seaman on an ocean freighter, juggled dishes at night for a N. Y. cafe. 'Tis said he lost 9 pounds announcing the first days of the Democratic Convention last summer. Won fame when he flew to Edmonton, Canada, to announce the arrival of Mattern, who didn't arrive, and Post, who did.



6

LOUIS DEAN ••• is from down in Alabama. Valley Head is the town. He's 32 years old, five feet eleven, weighs 160 pounds. Eyes are blue and hair is dark brown. Yes, he's single. Likes double-breasted suits and is awfully neat. Likes, too, to dance and golf and read good books. He's the fellow who announced Col. Stoopnagle and Bud.



JOHN 5. YOUNG . . . is NBC's best-dressed announcer, they say. And he's a Doctor of Law, if you please. Born in Springfield, Mass., educated at Yale, he debuted before one of those WBZ mikes in Boston in 1925. A choice job he had was on the special program for Admiral Byrd at Little America at the South Pole.

New Yorker—born there and always lived there. He's two inches over six feet, weighs 175 pounds and has black curly hair and brown eyes. Though only 23 years old, he's married (love will find a way). Frequently poses before wooden mikes, just for atmossphere, Columbia has him. You hear him announcing lots of dance bands.



HOWARD A. PETRIE . . . j ust a few months ago took unto himself a bride (as announcers sometimes do). Miss Alice Wood, NBC hostess, is now Mrs. Petrie. Like so many others of his tribe, he, too, started in Boston and graduated to NBC. Then he studied music and was bass in a Boston Church. He's also a violinist of note. He's six feet four inches, blond and blue-eyed.





HARRY VON ZELL . . . from Indianapolis, Ind., came to announce for Columbia. His tailor reports 160 pounds, five feet eight inches and easy to fit. His friends say he's happily married and 27 years old. We know he has blue-grey eyes and light brown hair. Folks find it easy to misspell his last name, But it doesn't annoy him.



JEAN PAUL KING . . . was born in North Bend, Nebraska (that state scores again), as the son of a Methodist pastor. Moved to Tacoma, Washington, where he attended the University and was a Beta Theta Pi and Sigma Delta Chi (What! No Tappa Keg!). Played in stock, started for NBC in San Francisco and ended up in Chicago.

ANDRE BARUCH • • • is Paris, France's gift to the Columbia Broadcasting System. He's a 29-year-old, blue-eyed announcer of five feet ten. And if you really want to know, he weighs exactly 165 pounds and has dark brown hair. And is single—so far. Speaks English with a complete lack of his native accent.



FORD BOND • • • since his thirteenth year has earned his own way as a musician. Not that he had to, but he wanted to. To humor his parents, he pretended to study medicine, but by 19 was directing choirs and glee clubs. Radio claimed him in Louisville, Ky. New York got him in 1930. On the side he still sings in a church.





Ball of CBS for having a name easy to catch over the air. Block Island, R. I., was his home before he reached 11 inches over 5 feet in his vertical movement. Weighing 165 pounds and with reddish brown, wavy hair and blue eyes, he could convince anyone to buy Ipsy Wipsy Wash Cloths. He's 29 and married.



wallace Butterworth...
from a store clerk to a radio announcer was
the step Wallace took when he went with NBC.
Graduated from high school in 1920. From
clerking he got funds to study voice. Father
was a concert pianist. Caruso was his idol.
Wallingford, Pa., was the home town. Did
concert work. Net result: a swell announcer.

# BACKSTAGE AT



R ADIO has conquered the elements. Fact is, it's conquered about everything in the role of life and nature and even the unreal.

When a broadcaster wants rain, he gets rain. When he wants thunder, he gets thunder. And when he wants the roar of an airplane screaming into the kilocycles, he gets all the roaring he wants. And therein lies one of the most fascinating tales of modern radio.

Let's go backstage and see how this business works. Studios, sometimes, are small rooms, but large or small there's a place in a corner for tubs and wagons, and drain pipes and bells and what-have-you. That's the case in this

typical broadcast. Look at that table. See the bells, the old shoes, the electric motor and the other little doo-dads. Well, they all are going to have something to do with this broadcast.

The clock hands point out the hour. The announcer says his bit and we're on the air. A stirring tune from the orchestra fades and then—CRASH! What the devil! Did you ever hear such thunder. But look! See that fellow over there shaking that big sheet of tin for all he's worth. So that's the thunder is it. Of course, this is a mystery drama and thunder always starts off a mystery drama.

The thunder dies and we hear the roar of an airplane. It's the hero coming to save our little Nell who, at the end of last week's episode, was left dangling in the web of Fagan, the Villain.

Hummm . . . hummm. The plane comes closer-the noise

of the motor is beginning to deafen our ears.

But we're forgetting ourselves. That's no plane. Look at the guy in a smock at the sound table. He's speeding up just a common every-day electric motor. The wabbly table makes the motor louder than usual. And little pieces of leather on the fly-wheel hitting against the necks of bottles make the noise. And right smack in front of the motor is a microphone. We're seeing and hearing an ordinary motor playing on bottles. Radio listeners are hearing Yes. But that's the sound effects chief's business. He gets paid to think up those ideas.

But there's more. The drama has progressed and the

But there's more. The drama has progressed and the plane has landed, allowing our hero to grope his way through the forest to the villain's cabin in the pines.

Hear that rain? It's pouring. Some listener out in Minnesota might even be looking out his window to see

if it's real or radio. But we know what it is. It's the chief pouring sand on cellophane. Well! Of all things!

Northern woods where villains have cabins usually have waterfalls. And so we hear the roar of the falls while Mr.

Sound Effects Man spins a home-made paddle in a tub of water—just like they do on the Show Boat program when the boat steams up the Mississippi—only the Show Boat paddle is smaller. After all, our broadcast is a waterfall. Not a river boat.

Of course there must be some wind moaning through the night. And there it is. Listen to it. Sounds positively creepy. But glance again to the corner. In front of the dear old mike which hears all and sees nothing is that same motor which represented the airplane. But this time a ring carrying four long sticks is attached to it. As the motor turns, the sticks fly through the air like an electric fan. Sticks like this give a moaning, swishing sound. Try it with a switch some time. That's wind. It's one of the things these sound men have figured out.

Our hero walks on. But, lo! The banks of the chasm are slipping. There's a landslide. We know, however, that it's just a box of gravel dumped on a child's play-yard slide, rushing and tumbling down to a box on the floor.

But our hero is safe.

And now the drama picks up speed. Mr. Hero is at the cabin. He tip-toes to the door, but he doesn't tip-toe enough. We hear his footsteps. The listeners on the outside hear them, too—but you and I see that it's merely a fellow crunching shoes in a pan of corn flakes. The effect is that of footsteps on gravel.

In he goes, and the door slams. It's not a studio door, but a wooden door set in a frame that has been brought

to the studio for this program.

Look at that fellow slapping leather with a stick. Could that be the pistol shot we just heard? That's it.

Like all good dramas-the kind that parents don't want children to listen to-we must have action. So as our hero shoots to defend himself (he mustn't shoot under any other circumstance), the old villain throws an explosive of some sort. The cabin bursts into flames. Fire shoots skyward, burning and crackling and sizzling and—well, whatever else fire does in mystery dramas.

But look to our table of element conquerors. There stands that same fellow crushing a lot of cellophane. And he's got to crush a lot for this fire. It's a big one.

# BROADCAST



Come backstage and see how those funny-and real, toosounds are made! Too bad all thunder can't be just a sheet of tin

# By WILSON BROWN

(Opposite page) Scene from an actual broadcast of Fred Allen's show. The girl is Portland Hoffa. Next, Jack Smart of many voices. Then Fred himself. (Left) Sound Effects Chief Johnson and assistant of CBS standing before a waterfall (the tub), and other sound doo-dads.

In the excitement, our hero and his Nell escape and the

flames die (the man is running out of paper).

As they escape they hear the cabin fall under the burnt timbers. And back in that same old corner, a wooden basket—the sort in which you buy grapes and peaches and apples—is being crushed in front of a microphone.

And as the cabin collapses, we hear the breaking of glass as windows fall. That's a hammer being dropped

into a box of cracked glass. Outside, safe and nearing home, the weather is kind to our characters. The sun is out and the birds are singing. And doesn't that man look funny standing there blowing on water whistles. But if we must have birds we must have them. And he blows on one and blows on another and so on until the larks, the sparrows, the robins and all the other birds have had their say.

The couple now hear the family dog barking a welcome.

The couple now hear the family dog barking a welcome. It's Bradley Barker (yes, that's his real name) standing at a mike barking with all his heart for so many dollars per bark. That happens to be Bradley's specialty. When they want dogs, they call him. He substitutes now and then for cats and cows and horses and chickens and such. But tonight it's a dog they want.

then for cats and cows and horses and chickens and such. But tonight it's a dog they want.

In the house they go. Another dog lies tapping his tail on the floor. It's really a man tapping his forehead with a padded stick. And so, safe at last, they turn on the phonograph which is the orchestra's excuse to come in and play a ditty or two. There must be music, you know.

Again the music fades and outside in the fields we hear a threshing machine. (It's in the country, you see.) But again it's a combination of intricate machinery and a baby's rattle making the noise. A horse gallops by the open window. It's a man slapping his chest with both hands. A little dog yelps into the microphone—or so it sounds—but it's really a rosined string being pulled through the bottom of a tin pail. That fellow better watch his stuff. If it's a big pail, he'll get the roar of a lion. And lions don't roam in this neck of Nell's woods.

Outside bees are swarming and buzzing their buzz, while Mr. Sound Man does it with a little toy horn.

It's getting late and our hero must go home. Otherwise how can the story ever end? And time on the air costs lots of money. So he leaves, and that door that leads nowhere except through that frame is slammed, and Nell hums a tune which the orchestra takes up.

Theme songs seem to be the vogue, so up steps a slender, dapper baritone. He takes his position at the side of a mike (by singing from the side he changes somewhat the quality of his voice) and warbles a few lines about moonquality of his voice) and warbles a few lines about moonlight and love. Notice that he has his hand to his ear. That's so he can hear himself above the music of the orchestra. This studio is sound proof and sounds are a bit odd anyway to a person in the studio. By cupping his ear he can tell if he's on pitch.

In the last bars of the song the music calls for a short trombone solo. The trombone player comes up from his chair in the very last row to the mike so the little black box that registers all sound for radio listeners will get a full share of trombone. He plays his part and returns to his place while some other instrument gets the glory.

Now, the number is over. Up steps the announcer in his double-breasted suit (they always wear double-breasted suits) to a stand on which is a little red light. That light

Now, the number is over. Up steps the announcer in his double-breasted suit (they always wear double-breasted suits) to a stand on which is a little red light. That light is his signal that the program is "on the air." From a sheaf of papers in his hand, he reads. And he tells you that this program of Nell and her hero came to you through the courtesy of Ipsy Wipsy Tooth Paste and proceeds to expound the merits of this paste, telling you that Nell and the boy friend will be back next week at the same time, and then—he's only got four seconds to go—comes the words: "This is the So-in-So Broadcasting Company."

That sentence is the cue to a couple of men sitting behind a glass window to shut the program off for station announcements all over the country.

These men, by the way, on the other side of that glass window, are busy throughout the program turning dials and throwing switches and making funny signs to the people in the studio. You see they're the engineers and they must tone down the harsh and loud parts, tone up the too soft parts and see that all goes smoothly. Microphones are sensitive things, and every sound that goes into them

are sensitive things, and every sound that goes into them must be controlled. And those funny signs the men make are signals to the actors and musicians to sing or talk louder or softer or to stand further away from the mike or

louder or softer or to stand further away from the mike or to stand closer and all of those things.

And so another broadcast is over. Over in the corner the sound man packs up his doo-dads and what-have-yous preparatory to going home, bed and a well-earned rest. Tomorrow may be worse. Maybe it will be a zoo or a World War scene. So it goes, day after day after day.

# OUR RADIO LOG

# Our Radio Log

In attempting to present a radio log, the editors must strive for accuracy, completeness and simplicity in presentation. In the following pages you will find a log as complete as any ever published for practical use. Accuracy has been our foremost consideration. The very latest information available at time of press was secured through the Federal Radio Commission of the United States and the Canadian Radio Commission and other sources. One thing, however, must be noted. Changes in station power, station ownership, kilocycle allocation and even call letters are constantly being made. Such changes made after this log was compiled could not, of course, be incorporated in these pages. We have aimed toward simplicity—to present the log in a way easily read and easily understood for your convenience. We hope it meets your needs.

## **ABBREVIATIONS**

T:—where transmitter location differs from main studio, same is shown below main studio location.

C. P.:-construction permit authorized.

w:-watts. kw:-kilocycles. Exp:-experimental. L. S.:-Local sunset.

# Stations of the United States

Call		Kilo-
Letter	Location Power	cycles
		1.100
KABC	San Antonio, Texas 100w	1420
KALE	Portland, Ore. 500w	1300
KARK	Little Rock, Ark. 250w	890
KASA	Elk City, Okla. 100w	1,210
KBPS	Portland, Ore. 100w	1,420
KBTM	Paragould, Ark 100w	1,200
KCMC	Texarkana, Ark. 100w	1,420
KCRC	Enid, Okia. 100w	1,370
110110	250w-LS	022,000
KCRJ	Jerome, Ariz. 100w	1.310
	Santa Barbara, Calif. 100w	1,500
KDB	- Control - Cont	1,440
KDFN	Casport as Juniors	980
KDKA		
KDLR	Devils Lake, N. D. 100w	1,210
KDYL	Salt Lake City, Utah 1kw	1,290
KECA	Los Angeles, Calif. 1kw	1,430
KELW	Burbank, Calif. 500w	780
KERN	Bakersfield, Calif 100w	1,200
KEX	Portland, Ore. 5kw	1.180
KEAB	Lincoln, Nebr. 5kw	770
IXT MID	C.P. 25kw	
KFAC	Los Angeles, Calif. 1kw	1,300
		1,280
KFBB	Great Falls, Mont. 1kw 236kw-LS	1,400
Service 2	272KW-LO	1.070
KFBI	Abilene, Kans, T-Milford 5kw	1,050
KFBK	Sacramento, Calif. 100w	1,310
KFBL	Everett, Wash. 50w	1,370
KFDM	Beaumont, Texas 500w	560
	1kw-LS	
KFDY	Brookings, S. D. 1kw	550
KFEL	Denver, Colo., T-Edgewater 500w	920
KFEQ	St. Joseph, Mo. 21/2kw	680
KFGQ	Boone, lowa 100w	1.310
KFH	Wichita, Kans. 1kw	1,300
KFI	Los Angeles., Calif.	-
KEI	T-Buena Park 50kw	640
were		1,120
KFIO		1,420
KFIZ		
KFJB	Marshalltown, Iowa 100w	1,200
	250w-LS	****
KFJI	Klamath Falls, Ore. 100w	1,210
KFJM	Grand Forks, N. D. 100w	1,370
KFJR	Portland, Ore. 500w	1,300
KFJZ	Fort Worth, Texas. 100w	1,370
KFKA	Greeley, Colo. 500w	880
	fkw-LS	
KEKU	Lawrence, Kan., T-Tonganoxie 500w	1.220
KFLV	Rockford, III. 500w	1.410
KFLX	Call letters changed to KLUF	
	Northfield, Minn. 1kw	1,250
KFMX	and the state of t	890
KFNF	Shenandoah, Iowa 500w	000

KFOR	Lincoln, Nebr.	100w	1.210	
		250w-LS		
KFOX	Long Beach, Calif.	1kw	1.250	
KFPL	Dublin, Texas	100w	1,310	
KFPM	Greenville, Tex.	15w	1,310	
KFPW	Ft. Smith, Ark.	100w	1.210	
KFPY	Spokane, Wash.	1kw	1,340	
KFQD	Anchorage, Alaska	250w	600	
KFRC	San Francisco, Calif.	1kw	610	
KFRU	Columbia, Mo.	500w	630	
KFSD	San Diego, Calif.	1kw	600	
KFSG	Los Angeles, Calif.	500w	1,120	
KFUL	Galveston, Texas	500w	1,290	
KFUO	Clayton, Mo.	500w	550	
		1kw-LS		
KFVD	Los Angeles, Calif.	250w	1,000	
KFVS	Cape Girardeau, Mo.	100w	1,210	
KFWB	Hollywood, Calif.	1kw	950	
KFWF	St. Lnuis, Mo.	100w	1,200	
KFWI	San Francisco, Calif.	500w	930	
KFXD	Nampa, Idaho	100w	1,200	
KFXF	Denvar, Colo.	500w	920	
KFXJ	Grand Junction, Colorado	100w	1,200	
KFXM	San Bernardino, Calif.	100w	1,210	
KFXR	Oklahoma City, Okla.	100w	1,310	
		250w-LS		
KFYO	Lubbock, Texas	100w	1,310	
		250w-LS		
KFYR	Bismarck, N. D.	1kw	550	
		2½kw-LS		
KGA	Snokane, Wash.	5kw	1,470	



Jeannie Lang is heard with Jack Denny and his orchestra.

KGAR	Tucson, Ariz.	100w	1,370
3008	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	250w-LS	2000
KGB	Dan Diego, Calif.	1kw	1,330
KGBU	Ketchikan, Alaska	500w	900
KGBX	Springfield, Mo.	100w	1,310
KGBZ	York, Neb.	500w	930
		1kw-LS	
KGCA	Decorah, Iowa	100w	1,270
KGCR	Watertown, S. D.	100w	1,210
KGCU	Mandan, N. D.	250w	1,240
KGCX	Wolf Piont, Montana	100w	1,310
		250w-LS	
KGDA	Mitchell, S. D.	100w	1,370
KGDE	Fergus Falls, Minn.	100w	1.200
-11-		250w-LS	
KGDM	Stockton, Calif.	250w	1,100
KGDY	Huron, S. D.	100w	1,200
	1000000	C.P. 250w	1,340
KGEF	Los Angeles, Calif.	1kw	1,300
KGEK	Yuma, Colo.	100w	1,200
KGER	Long Beach, Calif.	1kw	1,360
KGEW	Ft. Morgan, Colo.	100w	1,200
KGEZ	Kalispell, Montana	100w	1,310
KGFF	Shawnee, Okla.	100w	1,420
KGFG	Oklahoma City, Okla.	100w	1,370
KGFI	Corpus Christi, Texas	100w	1,500
Karı	Ourpus Omissu, rexas	250w-LS	11000
KGFJ	Los Angeles, Calif.	100w	1,200
KGFK	Moorhead, Minn.	100w	1,500
KGFL	Raton, N. Mex., C. P. Rosy		1,370
Kurt		Anti TOOM	1,010
WATH	T and studio Roswell	100w	1 210
KGFW	Kearney, Nebr.		1,310
KGFX	Pierre, S. D.	200w	630
KGGC	San Francisco, Calif.	100w	1,420
KGGF	Coffeyville, Kans., T. South		1,010
	Coffeyville, Okla.	1kw-LS	1.000
KGGM	Albuquerque, N. M.	250w	1,230
		500w-LS	

KGHF	Pueblo, Colo.	500w-LS	1,520
KGHI	Little Rock, Ark.	100w-Lis	1,200
North.	artino rivoni Prins	250w-LS	- always
KGHL	Billings, Montana	1kw	950
water		2½kw-LS	7 000
KGIR	Butte, Montana	500w 1kw-LS	1,360
KGIW	Trinidad. Colo.	100w	1,420
7.7	C.PT. & studio Alamosa		Sie
KGIX	Las Vepas, Nev.	100w	1,420
KGIZ	Grant City, Mo.	500w	560
	T and studio Springfield Tyler, Texas San Angelo, Texas		
KGKB	Tyler, Texas	100w	1,500 1,370
KGKL	San Angelo, Texas	100w	1,370
KGKO	Witchita Falls, Texas	250w 500w-LS	570
KGKX	Sandpoint, Idaho, C. P. Lewi		1,420
KGKY	Scottsbluff, Nebr. Honolulu, Hawaii Elk City, Okla.	100w	1,500 1,320 1,210
KGMB	Honolulu, Hawaii	250w	1,320
KGMP	Elk City, Okia.	100w	1,210
KGNF	North Platte, Nebr. Dodge City, Kans.	500w 250w	1,430 1,210
KGO	San Francisco, Calif.,	20011	31737
		73/2kw	790
KGRS	Amarillo, Texas Honolulu, Hawaii Missoula, Montana Portland, Ore., T-Faloma Olympia, Wash.	1kw	1,410
KGU	Honolulu, Hawaii	2½kw	750 1,200
KGV0 KGW	Portland Ore T-Faloma	100w 1kw	620
KGY	Olympia, Wash.	100w	1,210
KHJ	Los Angeles, Calif.	1kw	900
KHQ	Spokane, Wash.	1kw	590
WID.	And H Man	2kw-LS	4 970
KICK	Covis, N. Mex.	100w 100w	1,370 1,420
KIOK	Red Oak, Iowa C.P., T. and studio Carter I	Lake	A) TAO
KID	Idaho Falls, Idaho	250w	1,320
		500w-LS	
KIDO	Boise, Idaho	1kw	1,350
KIDW	Lamar, Colo.	100w	1,420 1,210
KIEV	Eureka, Calif. Glendale, Calif.	100w 100w	850
KIFH	Juneau, Alaska	100w	1,310
KIGY	Call letters changed to KSI		21777
KIT	Yakima, Wash.	100w	1,310
KJBS	San Francisco, Calif.	100w	1.070
KJR	Seattle, Wash. Blytheville, Ark.	5kw	970
KLCN	Blytheville, Ark.	50w	1,290
KLO	Onden IIIah	C.P. 100w 500w	1,400
KLPM	Ogden, Utah Minot, N. D. Little Rock, Arkansas	250w	1,240
KLRA	Little Rock, Arkansas	1kw	1,240 1,390
KLS	Oakland, Calif.	250w	1,440
KLUF	Galveston, Texas	100w	1,370
KLX	Oakland, Calif. Denver, Colo. Shenandoah, Iowa	1kw 1kw	880 560
KMA	Shenandoah, lowa	500w	930
		1kw-LS	
KMAC	San Antonio, Texas Kansas City, Mo., TKansas City, Kan.	100w	1370
KMBC	Kansas City, Mo.,	1kw	050
KMED	Medford Ore	100w	950 1,310
KMJ	Medford, Ore. Fresno, Calif. Monroe, La.	500w	580
KMLB	Monroe, La.	100w	1,200
KMMJ		Ikw	740
KMO	Tacoma, Wash. St. Louis, Mo. Beverly Hills, Calif.	250w	1,330
KMOX	Reverly Hills Calif	50kw 500w	1,090 710
KMPC		500w	570
KNOW	Austin, Tex. Los Angeles, Calif.	100w	1,500
KNX	Los Angeles, Calif.	25kw	1,050
KOA	Denver, Colo.	121/2kw	839
KOAC	Corvallis, Ore.	C.P. 50kw 1kw	550
KOR	Albuquerque, New Mexico	10kw	1,180
KOCW	Chickasha, Okla. C.P., T. & studio Tulss	250w	1.400
	C.P., T. & studio Tulsa	500w-LS	
KOH	Reno, Nevada	500w	1,308
KOIL	Council Bluffs, Iowa	1kw	1,260
KOIN	Portland, Ore. Seattle, Wash.	1kw	940 1,270
KOL	Oklahoma City, Okla	1kw 5kw	1,480
KOMO	Seattle, Wash.	1kw	920
KONO	San Antonio, Texas Marshfield, Ore.	100w	920 1,370 1,370
KOOS	Marshfield, Ore.	100w	1,370
VARE	F O	1kw-LS	1,420
KORE	Eugene, Ore. Phoenix, Ariz.	100w 500w	1,390
	Transmit State	1kw-LS	1,000
KPCB	Seattle, Wash.	100w	650
KPJM	Prescott, Ariz.	100w	1,500
KPO	San Francisco, Calif, C.P. T		
VDCE	Near Belmont	50kw	680
KPOF	Denver, Colo. Pasadena, Calif.	500w 50w	880 1,210
KPQ	Wenatchee, Wash.	100w	1,500
KPRC	Houston, Texas	1kw	920
	T-Sugarland	2½kw-LS	
KQV	Pittsburgh, Pa.	500w	1,380
KRE	San Jose, Calif. Berkeley, Calif	500w 100w	1,010 1,370
KREG	Santa Ana, Calif.	100w	1,500
KRGV	Santa Ana, Calif. Harlingen, Tex.	500w	1,260
KRKD	Los Angeles, Calif.	500w	1,120
KRLD	Dallas, Texas	10kw	1,040
KRMD	Shreveport, La.	100w	1,310

Shreveport, La.
Oakland, Calif.
T-Richmond
Seattle, Wash.
Manhattan, Kansas

Pueblo, Colo.

KSCJ	Sioux City, Ia.	1kw	1,239	WCAJ	Lincoln, Nebr.	50tys	590	WFAN	Philadelphia, Pa.	500w	610
KSD	St. Louis, Mo.	2kw-LS 500w 250w	550 900	WCAL WCAM WCAO	Northfield, Minnesota Camden, N. J.	1kw 500w	1,250 1,280	WFAS WFBC	White Plains, N. Y. Greenville, S. C.	100w 100w	1,210
KSEI	Pocatello, Idaho 500w-LS S.A. Salt Lake C ty, T-Saltair		890Kc 1,130	WCAP	Baltimore, Md. Asbury Park, N. J., T-Whitesville	250w 500w	1,280	WFBE	Cincinnati, Ohio	250w-LS 100w 250w-LS	1,200
KSOO		50w-LS	1,370	WCAT	Rapid City, South Dakota Philadelphia, Pa.,	100w	1,200	WFBG WFBL	Altoona, Pa. Syracuse, N. Y., T-Collam		1,310 1,360
KSTP	Sioux Falls, S. D. St. Paul, Minn. 25kw-LS Lowell, Ariz.	235kw (exp.) 100w	1,110 1,460 1,200	WCAX	T-Newton Square Co. Burlington, Vt.	50kw 100w 50w	1,170 1,200 1,070	WFBM WFBR	Indianapolis, Ind.	2 ½kw-LS 1kw	1,230
KTAB KTAR	San Francisco, Calif. Phoenix, Ariz	1kw 500w	560 620	WCBA WCBD	Carthage, III. Allentown, Pa. Zion, III.	250w 5kw	1,440	WFDF	Baltimore, Md. Flint, Mich. Rome, Ga.	500w 100w 100w	1,270 1,310 1,500
KTAT	Fort Worth, Tex. Additiona		1,240	WCBM	Baltimore, Md.	100w 250w-LS	1,370	WFEA WFI	Manchester, N. H. Philadelphia, Pa.	500w 500w	1,430 560
KTBS KTFI	Shreveport, La. Twin Falls, Idaho	1kw 500w	1,450 1,240	WCBS	Springfield, III. Minneapolis, Miss., T-Anoka	100w 50kw	1,210 810	WFIW WFLA-	Hopkinsville, Ky. Clearwater, Fla.	1kw 250w	040 620
KTHS	Hot Springs National Park,	kw-LS		WCDA	New York, N. Y., T-Cliffside, N. J.	250w	1,350	WSUN	Brooklyn, N. Y.	500w-LS 500w	1,400
KTM	Arkansas Los Angeles, Calif.	10kw 500w	1,040 780	WCFL	Chicago, III. Call Letters changed to WARD		970	WGAL	Lancaster, Pa. Cleveland, Ohio., T-Cuyah		1,310 1,450
KTRH KTSA	T-Santa Monica Houston, Texas San Antonio, Texas	1kw-LS 1kw 1kw	1,120 1,200	WCKY	Covington, Ky. T-Crescent Springs Janesville, Wis.	5kw 100w	1,490	WGBB WGBC WA	Heights Freeport, N. Y. (3R (See WNBR-WGBC)	1kw-LS 100w	1,210
KTSM	El Paso, Texas Seattle, Wash.	100w 1kw	1,310	WCLS	Joilet, III. Pensacola, Fla.	100w 500w	1,310	WGBF WGBI	Evansville, Ind. Scranton, Pa.	500w 250w	630 880
KUMA	Walla Walla, Washington Yuma, Ariz.	100w 100w	1,370 1,420	WCOC	Meridian, Miss	500w 1kw-LS	880	WECM	Mississippi City Miss.	100w C.P. 250w-LS	1,210
KUDA	Fayettevile, Arkansas Vermillion, S. D.	1kw 500w	1,260 890	WCOD	Harrisburg, Pa. Chicago, Ill.	100w 100w	1,200 1,210	WGCP	Newark, N. J. Chicago, III.	250w 500w	1,250 1,360
KVL	Tacoma, Wash., T-Des Moines Seattle, Wash.	500w 100w 500w	570 1,370	WCSC	Charleston, S. C. Portland, Me., T-Scarboro	500w 1kw	1,360 940	WGH	Newport News, Va.	LS (Sunday) 100w	1,310
KVOA	Tulsa, Okla.	5kw 2. 25kw	1,260 1,140	WDAE	Tampa, Fla. Kansas City, Mo.	2kw-LS 1kw 1kw	1,220 610	WGLC	Ft. Wayne, Ind. Glens Falls, N. Y., T. and studio Hudson Falls, N.		1,370
KVOR	Colorado Springs, Colo. Bellingham, Wash.	1lcw 100w	1,270 1,200	WDAG WDAH	Amarillo, Tex. El Paso, Texas	1kw 100w	1,410 1,310	WGMS-W	LB (See WLB-WGMS) Chicago, III., T-Elgin	25kw	720
KWCR	Cedar Rapids, Iowa	100w 50w-LS	1,420	WDAS	Philadelphia, Pa.	100w 250w-LS	1,370	WGNY	Chester Township, N. Y. Buffalo, N. Y., T-Amherst	50w	1,210
KWEA	Shreveport, La. Hilo, Hawaii	100w 100w	1,210 1,210	MDAY	Fargo, N. D., T-West Fargo Roanoke, Va.	1lcw 250w	940 930	WGST	Township Atlanta, Ga.	1kw 250w	550 890
KMII	Stockton, Cal. Portland, Ore.	100w 500w	1,200			500w-LS		WGY -	Schenectady, N. Y., T-Son		200
KWKC KWKC	St. Louis, Mo., T-Kirkwood Kansas City, Mo. Shreveport, La., T-Kennonwood	1kw 100w 1 10kw	1,350 1,370 850	TESTER !				WHAD	Sehenectady Madison, Wis. Milwaukee, Wis	50kw 1kw 250w	790 940 1,120
KWLC KWSC	Decorah, Iowa Pullman, Wash.	100w	1,270 1,220					WHAM	Rochester, N. Y. T-Victor Twp.	25kw	1,150
KWWG		2kw-LS 500w	1,260		16			WHAS	Louisville, Ky., T-Jefferso Philadelphia, Pa.		820 1,310
KXA		250w 00w-LS	760		6			WHAZ	Troy, N. Y. Kansas City, Mo., T-Nort		1,300
KXL KXO KXRO	Portland, Orc. El Centro, Calif. Abordeen, Wash.	100w 100w 100w	1,420 1,500 1,310		291	4		WHBC	Canton, Ohio	500w 100w	1,200
KXYZ KYA	Houston, Texas Sun Francisco, Calif.	250w 1kw	1,440 1,230			12		W HBD WHBF WHBL	Mt. Orab, Ohio Rock Island, III. Sheboygan, Wis	100w 100w 500w	1,370 1,210 1,410
KYW	Chicago, Ill., T-Bloomingdale Township	10kw	1,020			1		WHBU	Memphis, Tenn. Anderson, Ind.	100w 100w	1,370 1,210
WAAB	Boston, Mass., T-Quincy Chicago, III.	500w 500w	1,410 920			1 1 1 1 E		WHBY	Green Bay, Wis., T-West Pere		1,200
WAAM		lkw kw-LS	1,250					WHDF	Calumet, Mich.	100w 250w-LS	1,370
WAAT WAAW WABC-	Jersey City, N. J. Omaha, Nebr. New York, N. Y.	500w 500w 50kw	940 660 860			18		WHDH	Boston, Mass., T-Saugus Tupper Lake, N. Y.	1kw 100w	830 1,420
WBOQ WABI	T-Wayne, N. J. Bangor, Maine	100w	1,200			180		WHEC	Portsmouth, N. H. T-Newington Rochester, N. Y.	250w 500w	740 1,440
WABZ	Call letters changed to WBBX Waco, Texas	100w	1,420					WHEF	Kosciusko, Miss.	100w 250w-LS	1,500
WADC	Tallmadge, Ohio Presque Isle, Maine	1kw 100w	1,320		THE REAL PROPERTY.			WHET	Troy, Ala. Cicero, III.	100w 100w	1,210 1,420
WALR WAMC	Zanesville, Ohio Anniston, Ala.	500w 100w 100w	640 1,210 1,420					WHIS WHK	Bluefield, W. Va. Cleveland, O., T-Seven	250w	1,410
WAML	Laurel, Miss. Birmingham, Alabama	100w 5kw	1,310 1,140					WHN	Hills New York, N. Y.	2½kw-LS 250w	1,010
WARD	Brooklyn., N. Y., T-Long Island	2. 25kw	7,610,000					WHO	C.P., T-Astoria, L. I. (Consolidated with WOC)		
WASH	City Grand Rapids, Mich.	500w 500w	1,400	Ethe	Shutta, whom you	may ha	IVA	WILLOW	Des Moines, Iowa, T- Mitchellville	50kw	1,000
WAZL WBAA	Zarephath, N. J. Hazieton, Pa. W. Lifayette, Indiana	250w 100w 500w	1,350 1,420 1,400	hear	d on the Nestlé	progra	ım.	WHOM	Jersey City, N. J. Harrisburg, Pa., T-Lemoy	250w 500w 1kw-LS	1,430
WBAK	Harr sburg, Pa. Balti nore, Md., T-Glen Morris	Ikw	1,430	WDBO	Orlande, Fla.	250w	580	WIAS	Ottumwa, Iowa Madison, Wis	100w 500w	1,310 1,280
WBAP	T-Pikesville, Md. Fort Worth, Texas,	10kw	1,060	WDEL	Wilmington, Del.	250w 500w-LS	1,120	WIBG	Glenside, Pa., T-Elkins P	ark 25w	930
WBAX	T-Grapevine Wilkes-Barre, Pa.	50kw	800	WDEV	Waterbury, Vt. Minneapolis, Minn. Chattagenes, Tenn	500w 1kw	1,180	WIBM	Jackson, Mich. Chicago, III.	100w 1kw	1,370 560
WBBC	T-Plains Twp. Brooklyn, N. Y. Richmond, Va.	100w 500w 100w	1,210 1,400 1,210	WDOD	Chattanooga, Tenn. T-Brainerd 2 Hartford, Conn., T-Bloomfield	1kw kw-LS 500w	1,280	WIBU	T-Des Plaines Poynette, Wis. Topeka, Kansas	11/2kw-LS 100w 1kw	1,210 580
WBBM WBBR	Chicago, Ill., T-Glenview Brooklyn, N. Y., T-Rossville	25kw 1kw	770 1,300	WDSU	New Orleans, La., T-Gretna Tuscola, III.	1kw 100w	1,250 1,070	WIBX	Utica, N. Y.	100w 300w-LS	1,200
WBBX	New Orleans, La. Ponca City., Okla. Bay City, Mich.	100w 100w	1,200 1,200	WEAF	New York, N. Y., T-Bellmore Providence, R. I.	50kw 250w	660 780	MICC	Bridgeport, Conn.	250w C.P. 500w-LS	600
WBCM	Bay City, Mich. T-Hampton Twp. Buffalo, N. Y., T-Martinsville	500w	1,410	WEAO	Call letters changed to WOSO			WIL	St. Louis, Mo.	100w 250w-LS	1,200
WBEN WBEO WBHS	Marquette, Mich. Huntsville, Alabama	1kw 100w 100w	900 1,310 1,200	WEBC	Superior, Wis Harrisburg, III.	1kw-LS 255kw 100w	1,290 1,210	WILL	Urbana, III. Wilmington, Del., T-Edge	250w 500w-LS	1,420
WBIG	Greensboro, North Carolina	500w 1kw-LS	1,440	WEBR	Buffalo, N. Y.	100w 250w-LS	1,310	WIND	Gary, Ind. New York, N. Y.,	1kw	560
WBMS WBNX	Hackensack, N. J. New York, N. Y.	250w 250w	1,450 1,350	WEDC	Chicago, Ill. Greenville, N. C.	100w 100w	1,210 1,420	WIOD-	T-Caristadt, N. J. Miami, Fla.	500w 1kw	1,180 1,300
WBO Q-W	T-Cliffside, N. J. ABC (See WAEC-WBOQ)	100		WEEL	Boston, Mass., T-Weymouth Reading, Pa.	Ikw Ikw	590 830	WMBF	T-Miami Beach Philadelphia, Pa.	500w	610
WBRC	Terre Haute, Indiana Birmingham, Ala.	100w 500w 1kw-LS	930	WEHS	Emory, Va. (transmitter and s Charlesville, Va	L) 500w	1,350	WIS	Columbia, S. C.	500w 1kw-LS 250w	1,010
WBRE WBSO	Wilkes-Barre, Pa. Needham, Mass.	100w 500w	1,310 920	WELL	Cicero, III. Battle Creek, Mich. Americus, Ga.	100w 50w 100w	1,420 1,420 1,420	WISN	Milwaukee, Wis Johnstown, Pa. Norfolk, Nebr.	100w 1kw	1,310 1,060
WBT WBTM	Charlotte N C	25kw 100w	1,080 1,370	WENR	Chicago, Ill., T-Downers Grov	6 50kw	870 1,420	WJAR	Providence, R. I.	250w ditional night	890
WBZA	Danville, Va. Boston, Mass., T-Millis Twp, Boston, Mass., T-East	25kw	990	WESG WEVD	Elmira, N. Y., T-Ithaca New York, N. Y., T-Brooklyn St. Louis, Mo. Royal Oak, Mich.	1kw 500w	1,040 1,300	WJAS	Pittsburgh, Pa. T-North Fayette Twp.	1kw 2½kw-LS	1,290
WCAC	Storrs, Conn.	1kw 250w	990 600	WEXL	St. Louis, Mo. Royal Oak, Mich.	1kw 50w	760 1,310	WJAX	Jacksonville, Fla. Cleveland, Ohio	1kw 500w	900 610
WCAE	Canton, N. Y. Pittsburgh, Pa. T-Baldwin Twp.	500w 1kw	1,220 1,220	WFAA	Dallas, Texas, T-Grapevine New York, N. Y., T-Carlstadt, N. J.	50kw 1kw	1,300	M 1BC	La Salle, III. Red Bank, N. J.	100w 100w	1,200
WCAH	Columbus, Ohio	500w	1,430	WFAM	South Bend, Ind.	100w	1,200		(Continued on f	bage 9)	
											7

# A LOVELY VOICE

JESSICA DRAGONETTE . . . deliberately forsook a stage career, that promised to be as bright as any, to seek her fortune in radio. And before that, she cast aside being a nun to take a fling at the stage. The lovely Jessica was born in Calcutta, India. While very young, she was placed in Georgian Court convent at Lakewood, New Jersey, where she was educated and where she studied music in all its phases. When "The Miracle" was to be performed and the directors looked about for an angelic voice, they picked her. From then on, her voice has belonged to the public. She's now the star of the Cities Service program over NBC.





RUDY VALLEE . . . turned on the old gramophone in his home state of Maine, heard Rudy Wiedoeft playing the saxophone and then and there decided to study the saxophone and become an orchestra director. His father was a druggist, and Rudy had been jerking sodas, but now he went to the University of Maine and practised the sax. Then to Yale in 1924 and formed an orchestra. After an engagement in London, where the Prince of Wales praised his work, he graduated from Yale and began work at the Heigh-Ho Club in New York. The rest is history.

HEIGH-HO EVERYBODY



BING CROSBY... The Crosbys' named him Harry L., but he has been Bing for all but three years of his twenty-eight. He attended college in Seattle, Wash., where he edited a school newspaper and later clerked in a law office. Since 1926 he's appeared in theatres all over the country. He came to radio from the Coconut Grove in California and immediately was a sensation. Then he started making phonograph records which sold all over the world. Even in England and France his records are now being broadcasted. Not so long ago the movies claimed him and he's making just as much of a sensation there. Maybe you saw "Too Much Harmony," his latest talkie. The husky, handsome Crosby weighs 165 pounds, has blue eyes, brown hair and a tanned skin.



JANE FROMAN . . . an alluring, blue-eyed brunette, started out to be a newspaper reporter at the University of Missouri School of Journalism located in her home town of Columbia where her father was mayor and her mother a music teacher in a college. She studied first from her mother; then at the Cincinnati Conservatory of Music where Powell Crosley, Jr., president of WLW, heard her sing at a party and signed her up. Later NBC and then CBS got her. Despite the fact that she stutters, Jane now sing's on more commercial programs than any other girl soprano. And she's making movie-shorts, too. Husband Don Ross, baritone, sings over CBS.





# Our Radio Log

(Continued	from page	7)

This carry	and the same and t						
WJBK	Detroit, Mich., T-Highland Parl	k 50w	1,370	WNBW	Carbondale, Pa.	10w	1,200
WJBL	Decatur. III. New Orleans, La., C.P. Baton	100w	1,200	WNBX		100w-LS	1,260
WARO	Rouge	100w	1,420	WNBZ	Springfield, Vt. Saranac Lake, N. Y.	250w 50w	1,200
WJBU	Call letters changed to WKO	K	1,140	WNEL	San Juan, P. R.	500w	1,290
WJBW	New Orleans, La.	100w	1,200	WNJ	Newark, N. J.	250w	1,450
WJBY	Gadsden, Ala.	100w	1,210	WNOX	Knoxville, Tenn.	1kw	560
MIDX	Jackson, Miss.	1kw	1,270	District of the last	officers of presents	2kw-LS	
WJEJ	Hagerstown, Md.	100w	1,210	WNRA	Florence, Ala.	100w	1,420
WJEM	Tupelo, Miss.	500w	990	WNYC	New York, N. Y.	500w	810
MIED	Williamsport, Pa. Mooseheart, Ill.	100w 20kw	1,370	WOAN	San Antonio, Tex., T-Selma REC (See WREC-WOAN)	50kw	1,190
WJKS	Call letters changed to WIND	20KW	1,130	WOAX	Call letters changed to WTNJ	Trenton I	LV
WJMS	Ironwood, Mich.	100w	1,420	WOBU	Charleston, W. Va.	250w	580
WJR	Detroit, Mich., T-Sylvan		41.40		The state of the s	500w-LS	000
*******	Lake Village	10kw	750	WOC	(Consolidated with WHO)		
WJSV	Alexandria Va.	10kw	1,460	Week	Davenport, Iowa, T-Mitchellvil	lle 50kw	1,000
WJTL	Oglethorpe University, Ga.	100w	1 976	WOCL	Jamestown, N. Y.	50w	1,210
WJW	T-Atlanta Akron, Ohio	100w	1,370 1,210	WODA	Paterson, N. J.	1kw	1,250
WJZ	New York, N. Y., T-Bound	10011	4,440		C.P. consolidate WODA		
	Brook, N. J. S.A. (exp.)	50kw	760		and WAAM; T-near Carl-		
WKAQ	San Juan, P.R.	Ikw	1,240		stadt, N. J.; studio New- ark; Power 214 kw-LS.		
WKAR	E. Lansing, Mich.	Ikw	1,040	WODX	Mobile, Ala., T-Springhill	500w	1,410
WKAV	Laconia, N. H.	100w	1,310	WOI	Ames, Iowa	5kw	640
MKBB	Joliet, Ill., C.P.E. Dubuque C.P. 1	100w	1,310	WOKO	Albany, N. Y.	500w	1,440
WKBC	Birmingham, Ala.	100w	1,310	WOL	Washington, D. C.	100w	1,310
WKBF	Indianapolis, Ind., T-Indianapolis	500w	1,400	WOMT	Manitowoc, Wis.	100w	1,210
MKBH	La Crosse, Wis.	Ikw	1,380	WOOD	Grand Rapids, Mich.	500w	1,270
WKB1	Cicero, III.	100w	1,420	WOPI	Bristol, Tenn. Kansas City, Mo.	100w 1kw	1,500 1,300
WKBN	Youngstown, O.	500w	570	WOR	Newark, N. J., T-Kearny	5kw	710
WKBS	Galesburg, Ill.	100w 100w	1,310 1,500		C	P. 50kw	20000
	C.P.—T. & studio Richm	ond	1,000	WORC	Worcester, Mass., T-Auburn	100w	1,200
WKBW	Buffalo, N. Y., T-Amherst	matthe a		WORK	York, Pa., T-W. Manchester	1kw	1.000
	Township	5kw	1,480	WOS	Jefferson City, Mo.	500w	630
WKBZ	Ludington, Mich.	100w	1,500	WOSU	Columbus, Ohio New York, N. Y.	750w	570
WKEU	La Grange, Ga.	100w	1,500	WOV	T-Secaucus, N. J.	1kw	1,130
WKFI	Greenville, Miss.	100w 100w	1,210	wow	Omaha, Nebr.	1kw	590
WKOK	Lancaster, Pa. Lewisburg, Pa.	100w	1,200	wowo	Ft. Wayne, Ind.	10kw	1,160
*******	T. & Studio Sunbury, Pa.	240.0		WPAD	Paducah, Ky.	100w	1,420
WKRC	Cincinnati, O.	500w	550	WPAP-WQ	AD (See WQAO-WPAP)		-
-2.00000	500w-additional		75.00	WPCC	Chicago, III.	500w	560
WKY	Oklahoma City, Oklahoma	1kw	900	WPCH	New York, N. Y., T-Flushing	500w	570
WKZO	Kalamazoo, Mich.	1kw 5kw	590	WPEN	Philadelphia, Pa.	100w 250w-LS	1,500
WLAP	Nashville, Tenn. Louisville, Ky.	100w	1,470 1,200	WPFB	Hattiesburg, Miss.	100w	1,370
WENT	25	Ow-LS	*1200	WPG	Atlantic City, N. J.	5kw	1,100
WLB	Minneapolis, Minn., T-St. Paul	1kw	1,250	WPHR	Petersburg, Va., T-Ettrick	100w	1,200
WLBC	Muncie, Ind.	50w	1,310	The state of the s		250w-LS	
WLBF	Kansas City., Kansas	100w	1,420	WPRO	Providence, R. I., T-Providence	ce 100w	1,210
MEBL	Stevens Point, Wisconsin,	01/1	000	WPTF		C.P.5kw	680
WLBW	T-Nr. Ellis Erie, Pa., T-Summit Township	2½kw 500w	900 1,260	WQAM	Miami, Fla. Scranton, Pa.	1kw 250w	560 880
***		w-LS	1,200	WQAO-	New York, N. Y.	250w	1,010
WLZB	Bangor, Me.	500w	620	WPAP	T-Cliffside, N. J.		4,010
WLCI	Ithaca, N. Y.	50w	1,210	M G3C	Vicksburg, Miss.	500w	1,360
WLEU	Erie, Pa.	100w	1,420	WQDM	St. Albans, Vt.	100w	1,370
WIEV		0w-LS	1 970	WQDX	Thomasville, Ga.	100w	1,210
WLEY	Lexington, Mass.	100w 0w-LS	1,370	WRAK	Williamsport, Pa. Wilmington, N. C.	100w 100w	1,370 1,370
WLIT	Philadelphia, Pa.	500w	560	WRAW	Reading, Pa.	100w	1,310
WLOE	Boston, Mass., T-Chelsea	100w	1,500	WRAX	Philadelphia, Pa.	250w	1,020
		50w-LS	070	WRBL	Columbus, Ga.	100w	1,200
WLS	Chicago, Ill., T-Downers Grove	50kw	870	WRBX	Roanoke, Va.	250w 500w	1,410
WLTH	Call letters changed to WARD	100w	1,370	WRC	Washington, D. C. Augusta, Me.	100w	950 1,370
WLW	Lynchburg, Va. Cincinnati, O., T-Mason	50kw	700	WRDW	Augusta, Ga.	100w	1,500
WLWL	New York, N. Y., T-Kearny,			WREC	Memphis, Tenn.	500w	600
	N. J.	5kw	1,100		T-Whitehaven	1kw-LS	4 220
	SYR (See WSYR-WMAC)	050	630	WREN	Lawrence, Kansas, T-Tongano		1,220
WMAL	Washington, D. C.	250w 00w-LS	050	WRHM	Minneapolis, Minn., T-Fridley Racine, Wis.	1kw 100w	1,250 1,370
WMAQ	Chicago, Ill., T-Addison	5kw	670	WRNY	New York, N. Y.,	1000	1,010
WMAS	Springfield, Mass.	100w	1,420	STREET, ST.	T-Coytesville, N. J.	250w	1,010
		)w-LS	2700	WROL	Knoxville, Tenn.	100w	1,310
WMAZ	Macon, Ga.	500w	1,180	WRR	Dallas, Texas	500w	1,280
WMBC	Detroit, Mich.	100w 60w-LS	1,420	WRUF	Gainesville, Fla. Richmond, Va.	5kw	830
WMBD	Peoria, III., T-Peoria	500w	1,440	AA LI A W	T-Mechanicsville	5kw	1,110
	Heights Co.	w-LS		WSAI	Cincinnati, O.	500w	1,330
	OD (See WIOD-WMBF)		1000		T-Mason	1kw-LS	
WMBG	Richmond, Va.	100w	1,210	WSAJ	Grove City, Pa.	100w	1,310
WMBH	Joplin, Mo.	100w	1,420	WSAN	Allentown, Pa. Fall River, Mass.	250w 250w	1,440
WMBI	Chicago, Ill., T-Addison	0w-LS 5kw	1,080	WSAZ	Huntington, W. Va.	500w	1,450 1,190
WMBO	Auburn, N. Y.	100w	1,310	WSB	Atlanta, Ga.	50kw	740
WMBQ	Brooklyn, N. Y	100w	1,500	WSBC	Chicago, III.	100w	1,210
WMBR	Tampa, Fla.	100w	1,370	WSBT	South Bend, Ind.	500w	1,230
WMC	Memphis, Tenn.	1500w	780	WSEN	Columbus, O.	100w	1,210
WARDA	T-Barlett	kw-LS 500w	570	WSFA	Montgomery, Ala. Springfield, Tenn.	500w 100w	1,410 1,210
WMCA	New York, N. Y., T-Flushing Call letters changed to WNRA	JUUW	010	WSJS	Winston-Salem, N. C.	100w	1310
WMED	Brooklyn, N. Y.	100w	1,500	WSM	Nashville, Tenn., T-Franklin	50kw	650
WMMN	Fairmont, W. Va.	250w	890	WSMB	New Orleans, La.	500w	1,320
	500	w-LS		WSMK	Dayton, O.	200w	1,380
WMPC	Lapeer, Mich.	100w	1,500	WSOC	Gastonia, N. C.	100w	1,210
WMSG	New York, N. Y.	250w 500w	1,350 600	WSPA	C.P., T and studio Charlotte Spartanburg, S. C.	100w	1,420
WMT	Waterloo, Iowa Boston, Mass., T-Quincy	1kw	1,230	11.01.14	-paramonigi or or	250w-LS	11320
WNAD	Norman, Okla.	500w	1,010	WSPD	Toledo, Ohio	1kw	1,340
WNAX	Yankton, S. D.	1kw	570	WSUI	Iowa City, Iowa	500w	880
	23/2	cwLS		WSUN-WF	LA (See WFLA-WSUN)		
WNBF	Binghamton, N. Y.	100w	1,500	WSVS	Buffalo, N. Y.	50w	1,370
MNBH	New Bedford, Mass. T-Fairhaven 25	100w 0w-LS	1,310	WSYB WSYR-	Rutland, Vt. Syracuse, N. Y.	100w 250w	1,500 570
WNBO	Silverhaven, Pa.	100w	1,200	WMAC			
WNBR	Memphis, Tenn.	500w	1,430	WTAD	Quincy, III.	500w	1,440
WHON							

WTAG	Worcester, Mass.	250w LS (exp.)	580
WTAM	Cleveland, O.		
WTAQ	T-Brecksville Village Eau Claire, Wis., T-Twp. of	50kw	1,070
WTAR	Washington	1kw 500w	1,330
WTAW	Norfolk, Va. College Station, Texas	500w	1,120
WTAX	Springfield, III. Cumberland, Md.	100w 100w	1,210
100000000000000000000000000000000000000	THE DESCRIPTION OF THE PARTY OF	250w-LS	
WTEL	Philadelphia, Pa. Athens, Ga.	100w   500w	1,310
WTIC	Athens, Ga. Hartford, Conn., T-Avon Jackson, Tenn.	50kw 100w	1,060
		250w-LS	1,310
WTMJ	Milwaukee, Wis. T-Waukesha	1kw 2½kw-LS 500w	620
WTNJ	Trenton, N. J.	500w	1,280
WTCC	Savannah, Ga. Eikhart, Ind.	500w 50w	1,260
WTSL	(Call letters changed to WAN	100w-LS	
WWAE	Hammond Ind	100w	1,200
WWJ	Detroit, Mich. New Orleans, La., T-Kenner	1kw 10kw	920 850
WWNC	Asheville, N. C. Woodside, N. Y.	LEW	570
WWRL	Pittshurah Pa	100w 100w	1,500
WWVA	T-Wilkinsburg	250w-LS 5kw	1,160
WXYZ	Wheeling, W. Va. Detroit, Mich.	1kw	1,240
	U. S. Stations		
(Ar	ranged According to I		
Ontorio_V	Vindeor (CKLW)		now ar
Ontario 1			
Illinois-Ch	icago (WIBO)	Nights	2,500
Minageneri	hicago (WPCC)	Down	1.000
MISSOUTI	St. Louis (Ar CO),	Nights	1,000
Missouri-	St. Louis (KSD)	*******	1.000
North Dak	St. Louis (KSD)  Buffalo (WGR)  ota-Bismarck (KFYR)	Days	2,500
Ohio-Cine	einnati (WKRC)	Nights	1,000
Oregon-C	orvallis (KOAC)		1,000
Vermont-	cinnati (WKRC)	**** ** ** ** * * * *	1,000
California-	San Francisco (KTAB)		1.000
Colorado	Denver (KLZ)		1,000
Indiana—C	San Francisco (KTAB).  Denver (KLZ).  fiami (WQAM).  Gary (WIND).	Days	1,000
Panneelear	nia_Dhiladalphia (WEI)	Nights	1,000
Pennsylvar	nia—Philadelphia (WFI) nia—Philadelphia (WLIT) —Knoxville (WNOX)		500
Tennessee-	-Knoxville (WNOX)	Nights	2,000
Texas—Be	aumont (KFDM)	Days	1,000
	570 KILOCYCLES	Nights	500
California- New York-	-Los Angeles (KMTR)		500
New York-	-Syracuse (WMAC)		250
North Care	570 KILOCYCLES  -Los Angeles (KMTR).  -New York (WMCA-WPCH).  -Syracuse (WMAC).  -Syracuse (WSYR).  Jilna—Asheville (WWNC).  mabus (WOSO).  ngstown (WKBN).  tchita Falls (KGKO).		1,000
Ohio-Colu	mbus (WOSO)	*******	1,000
South Dak	ota-Yankton (WNAX)	Days	2,500
Texas-Wi	tehita Falls (KGKO)	Days	500
Washingto	n—Tacoma (KVI)	Nights	500 250 500
CLUZ-	n—Tacoma (KVI)	Colored than	000
Kansas-N	fanhattan (KSAC)	Days	1,000
Kansas-T	riando (WDBO).  lanhattan (KSAC).  opeka (WIBW)  otts—Worcester (WTAG)  harleston (WOBU).	rights	1,000
Massachus	etts-Worcester (WTAG)	Nights	500 250
W. Va.—C	harleston (WOBU)	Days	500
970	590 KILOCYCLES	Nights	250
Massachus Michigan-	etts—Boston (WEEI) -Kalamazoo (WKZO)		1,000
Nebraska-	-Lincoln (WCAJ)		500
Washingto	etts—Boston (WEEI).  -Kalamazoo (WKZO).  -Lincoln (WCAJ).  -Omaha (WOW).  n—Spokane (KHQ).	Days	2,000
	600 KILOCYCLES	Nights	1000
California-	-San Diego (KFSD)		1,000
Connecticu	San Diego (KFSD)t.—Bridgeport (WICC)t.—Storra (WCAC)	Nights	500 250
Connecticu	tt—Bridgeport (WICC)  tt—Storrs (WCAC)  terloo (WMT)  Baltimore (WCAO)  -Memphis (WREC)  810 KILOCYCLES		250
Maryland-	-Baltimore (WCAO)		250
Tennessee-	-Memphis (WREC)	Days Nights	1,000
California	San Francisco (KERC)	- 10-110	1.00
Missouri-	-San Francisco (KFRC) Kansas City (WDAF) reland (WJAY) aia—Philadelphia (WFAN) aia—Philadelphia (WIP)	** ** ** ** ** **	1,000
Ohio-Cler Pennsylva	reland (WJAY)		500
Pennsulvar	The transfer of the transfer o		UUI
A CHILOST VIII	na-Philadelphia (WIP)		500

618.5 KILOCYCLES Philippine Islands—Manila (KZRM)		
Philippine Islands—Manila (KZRM)	50	0,000
620 KILOCYCLES		
Arizona—Phoenix (KTAR)	Days	1,000
Florida—Clearwater (WFLA)	Nights	500
Florida—Clearwater (WFLA)	Days	2,500
Florida-St. Petersburg (WSUN)	Nights 1	
Fiorida—St. Petersburg (WSUN)	Nights	2,500
Maine—Bangor (WLBZ)	1vignts	500
Oregon—Portland (KCW)		000
Oregon—Portland (KGW)	Dove	500
		000
630 KILOCYCLES	141gires 1	1000
1) C — Weshington (WMAI)	Dove	500
Indiana—Evansville (WGBF) Missouri—Columbia (KFRU) Missouri—Jefferson City (WOS) South Deleter Bigger (KGEY)	Nights	250
Indiana-Evansville (WGBF)	-	500
Missouri-Columbia (KFRU)		500
Missouri-Jefferson City (WOS)		500
South Dakota—Pierce (KGFX)		200
640 KILOCYCLES		WATER OF
California—Los Angeles (KFI)	50	0,000
Iowa—Ames (WOI)		,000
California—Los Angeles (RF1) Iowa—Ames (WOI). Ohio—Columbus (WAIU). 550 KILOCYCLES Tennesee—Nashville (WSM). Washington—Seattle (KPCB). 860 KILOCYCLES Nebraska—Omaha (WAAW). New York—New York (WEAF). 670 KILOCYCLES		500
650 KILOCYCLES		nnn
Tennesee—Nashville (WSM)		1000
washington—Seattle (KrCb)	**********	100
Nahaala Omaha (WAAW)		500
New York New York (WEAE)	50	000
670 KILOCYCLES		,000
Illinois—Chicago (WMAQ)	management !	5.000
680 KILOCYCLES		1000
California Son Francisco (KPO)	-50	1.000
Missouri—St. Joseph (KFEQ)		,500
North Carolina-Raleigh (WPTF)	1	,000
Missouri—St. Joseph (KFEQ) North Carolina—Raleigh (WPTF) 700 KILOCYCLES Ohio—Cincinnati (WLW) 710 KILOCYCLES		
Ohio-Cincinnati (WLW)		,000
710 KILOCYCLES		
California—Reverly Hills (KMPC)		DUU
New Jersey—Newark (WOR)	C D 50	,000
720 KILOCYCLES	U.P. 50	,000
720 KILOCYCLES Illinois—Chicago (WGN). 740 KILOCYCLES Georgia—Atlanta (WSB).  Nebraska—Clay Center (KMMJ). New Hampshire—Portsmouth (WHEB). 750 KILOCYCLES Michigan—Detroit (WJR).	95	000
740 KILOCYCLES		,000
Georgia-Atlanta (WSB)	5	.000
Georgia Melanta (Web)	C.P. 50	.000
Nebraska-Clay Center (KMMJ)	1	.000
New Hampshire-Portsmouth (WHEB)	*****	250
750 KILOCYCLES		
Michigan-Detroit (WJR)	10	,000
Hawaii—Honolulu (KGU)	2	,500
Hawaii—Honolulu (KGU)	Secretary and a second	
Missouri—St. Louis (WEW)		,000
New York—New York (WJZ)		,000
Washington—Seattle (KXA)	Days	000
770 VII 00V01 F0	Nights	200
770 KILOCYCLES Illinois—Chicago (WBBM)	95	000
Nebraska—Lincoln (KFAB)	5	000
Neoraska-Lincoln (Krab)		,000



AL JOLSON ... ventured into talking pictures during their pioneer days to become the first outstanding star of sound movies. Born in St. Petersburg, Russia. Came to U. S. when a child and studied to be a cantor.



Seattle, Wash, in 1906. Made his stage bow at age of 2, played with Ben Greet Shakesperian players at 4. Graduate of Yale where he was a track star. was a track star. Studied law.

GUY LOMBARDO... is 31 years old. Weighs 158 pounds. Speed-boating is his hobby.



London, Ontario, was the old home town where Guy took his first violin lesson. His debut was made when he was 12.

# MORTON DOWNEY . . . vocalist



for Paul Whiteman, did recording, movies and went on the air 2½ years ago. Weighs 172, stands 5 feet 10, married to Barbara Bennett and has one son. Born in 1901 in Conn.

	RADIO LOG	
	780 KILOCYCLES	500
	California-Burbank (KELW). California-Los Angeles (KTM). Days Nights	1,000 500 500
	Rhode Island—Providence (WEAN)	000,1
	Virginia—Norfolk(WTAR)   Nights	7,500
	New York—Schenectady (WGY)	0,000
	Texas—Fort Worth (WBAP)	0,000
	New York, Flushing (WPCH). New York, New York (WNYC). 820 KILOCYCLES	500
	Kentucky—Louisville (WHAS)	2,500
	Florida—Gainesville (WRUF).  Massachusetts—Boston (WHDH).  Pennsylvania—Reading (WEEU).  850 KILOCYCLES	5,000 1,000 1,000
	New York—Schenectady (WGY)   50	100 0,000 0,000
	Missouri—Kansas City (WHB)	500
	1	0,000
	California—Oakland (KLX). Colorado—Denver (KPOF).	,000 500
	Colorado—Greeley (KFKA)	500
	Mississippi—Meridian (WCOC),	,000 500
	Pennsylvania—Seranton (WQAN).  890 KILOGYCLES	250 250
	Arkansas—Little Rock (KARK)	250 500 250
	Illinois—Urbana (WILL)	500 250
	Iowa—Shenandoah (KFNF)	500
	Rhode Island—Providence (WJAR)	500 250 500
	S. D.—Vermillion (KUSD). W. Va.—Fairmont (WMMN). Days Nights	500 250
	Florida—Jacksonville (WJAX)	,000 ,000 250
	Idaho, Poeatello (KSEI)         Nights           Days         Days           New York—Buffalo (WBEN)         1           Oklahoma—Oklahoma City (WKY)         1           Wisconsin—Stevens Point (WLBL)         2           Alaska—Ketchikan (KGBU)         820 KILOCYCLES           Colorado—Denver (KFEL)         Colorado—Denver (KFXF)           Illinois—Chicago (WAAF)         Massachusetts—Needham (WBSO)           Michigan—Detroit (WWJ)         1           Texas—Houston (KPRC)         Days           Washington—Seatle (KOMO)         1           Washington—Seatle (KOMO)         1           S30 KILOCYCLES         Alabama—Birmingham (WBRC)         Days           Xights         California—Oakland (KROW)         Days	,000 ,000 ,000
	920 KILOCYCLES  Colorado—Denver (KFEL).  Colorado—Denver (KFXF).  Ulinois—Chigaga (WAAF).	500 500 500
	Massachusetts—Needham (WBSO)         Indicate of the control of	500 ,000 ,500
	Washington—Seattle (KOMO) 1 930 KILOCYCLES	,000
	California—Oakland (KROW). Days 1 Nights	500
	Celifornia San Francisco (KFWI)	500
	Nebraska—York (KGBZ). Days 1 Nights Virginia—Roanoke (WDBJ). Days  Output  Days 1 Nights Days  Days	,000
	Nights	250
	Wentucky—Hopkinsville (WFIW). 1 Maine—Portland (WCSH). Days 2	,000
	New Jersey—Jersey City (WAAT)         Nights 1           North Dakota—Fargo (WDAY)         1           Oregon—Portland (KOIN)         1           Wisconsin—Madison (WHA)         1           **S5 (kllocycles           California—Hollywood (KFWB)         1	500
	950 KILOCYCLES California—Hollywood (KFWB)	,000
	\$56 KILOCYCLES	,000 ,500 ,000
	Illinois—Chicago (WCFL).	,000,
	Pennsylvania—Pittsburgh (KDKA)	000
	Massachusetts—Boston (WBZ)	,000 ,000 500
	1,000 KILOCYCLES	250 000 000 000
	1,010 KILOCYCLES  California—San Jose (KQW).  Kansas—Coffeyville (KGGF)	500
Separate Separate	New York—New York (WPAP) New York—New York (WHN) New York—New York (WQAO)	500 250 250 250 250
	The second secon	

New York—New York (WRNY)		25
New York—New York (WRNY). Oklahoma—Norman (WNAD). South Carolina—Columbia (WIS).	Days Nights	1,00
1,020 KILOCYCLES	Talking	00
South Carolina—Columbia (WIS).  1,020 KILOCYCLES  Illinois—Chicago (KYW).  Pennsylvania—Philadelphia (WRAX) 1,040 KILOCYCLES  Arkansas—Hot Springs (KYHS).  Michigan—East Jansing (WKAR).  New York—Elmira (WESG).  Texas—Dallas (KRLD) 1,050 KILOCYCLES  California—Los Angeles (KNX).  Kansas—Abilene (KFBI). 1,060 KILOCYCLES  Connecticut—Hartford (WTIC).  Maryland—Baltimore (WBAL).  Nebraska—Norfolk (WJAG).  Oregon—Portland (KWJJ). 1,070 KILOCYCLES  California—San Francisco (KJBS).  Illinois—Carthage (WCAZ).  Illinois—Tuscola (WDZ).  Ohio—Cleveland (WTAM). 1,080 KILOCYCLES  Illinois—Chicago (WMBI).		25
Arkansas—Hot Springs (KTHS)		0.00
New York—Elmira (WESG).		1,00
1,050 KILOCYCLES		10,00
California—Los Angeles (KNX) Kansas—Abilene (KFBI)		5,00
Connecticut—Hartford (WTIC)		50,00
Maryland—Baltimore (WBAL),		1,00
Oregon—Portland (KWJJ)		50
California—San Francisco (KJBS)		10
Illinois—Tuscola (WDZ)		10
1,080 KILOCYCLES		5.00
Illinois—Chicago (WMBI). Illinois—Zion (WCBD) North Carolina—Charlotte (WBT) 1,090 KILOCYCLES	,	5,00
1,090 KILOCYCLES		0,00
Missouri—St. Louis (KMOX)		05,00
New Jersey—Atlantic City (WPG)		5,00
1,100 KILOCYCLES  California—Stockton (KGDM).  New Jersey—Atlantic City (WPG).  New York—New York (WLWL).  1,110 KILOCYCLES  South Dekota—Siow Ealls (KSOG).		0,00
Virginia—Richmond (WRVA)		5,00
California—Los Angeles (KFSG)		00
Delaware—Wilmington (WDEL)	Days	50 50
Oklahoma—Elk City (KASA)	Nights	25 10
California—Los Angeles (KLOCYCLES California—Los Angeles (KFKD) California—Los Angeles (KRKD) Delaware—Wilmington (WDEL)  Oklahoma—Elk City (KASA) Texas—College Station (WTAW) Texas—Houston (KTRH). Weshington—Seattle (KPSC)	******	50 50
1exas—College Station (W1AW) Texas—Houston (KTRH). Washington—Seattle (KRSC). Washington—Spokane (KFIO). Wisconsin—Milwaukee (WHAD). Wisconsin—Milwaukee (WISN). 1,130 KILOCYCLES Illinois—Mooseheart (WJJD).		10
Wisconsin—Milwaukee (WHAD) Wisconsin—Milwaukee (WISN)		25 25
1,130 KILOCYCLES Illinois—Mooseheart (WJJD)	2	0,00
New York—New York (WOV) Utah—Salt Lake City (KSL)	5	1,00
Illinois		5,00
Oklahoma—Tulsa (KVOO)	C.P. 2	5,00
1.150 KILOCYCLES	C.P. 2	5,000
1,156 KILOCYCLES  New York—Rochester (WHAM). 1,160 KILOCYCLES  Indiana—Fort Wayne (WOWO). West Virginia—Wheeling (WWVA). 1,170 KILOCYCLES  Pennsylvania—Philadelphia (WCAU). 1,180 KILOCYCLES  Georgia—Macon (WMAZ).	2	5,00
Indiana—Fort Wayne (WOWO)	1	0,00
1,170 KILOCYCLES Pennsylvania—Philadelphia (WCAU)	5	0.000
1,180 KILOCYCLES Georgia—Macon (WMAZ)	4022	500
Minnesota—Minneapolis—St. Paul (WDGY) New Mexico—Albuqueroue (KOB)		1,000
New York—New York (WINS) Oregon—Portland (KEX)		500 5.000
Georgia—Macon (WMAZ). Minnesota—Minneapolis—St. Paul (WDGY). New Mexico—Albuquerque (KOB). New York—New York (WINS). Oregon—Portland (KEX). 1,190 KILOCYCLES Texas—San Antonio (WOAI). W. Va.—Huntington (WSAZ). 1,200 KILOCYCLES Alabama—Huntsville (WBHS).	5	0.000
W. Va.—Huntington (WSAZ)	5	0,000
Alabama—Huntsville (WBHS)Arkansas—Little Rock (KGHD)		100
Arkansas—Paragould (KBTM)		-117
Arizona—Lowell (KSUN)		100
Arizona—Lowell (KSUN) California—Bakersfield (KERN)		100 100 100
Arizona—Lowell (KSUN) California—Bakersfield (KERN). California—Los Angeles (KGFJ). California—Stockton (KWG). Colorado—Fort Morgan (KGFW).		100 100 100 100 100 100
Arizona—Lowell (KSUN) 2alifornia—Bakersfield (KERN) California—Los Angeles (KGFJ) California—Stockton (KWG) Colorado—Fort Morgan (KGEW) Colorado—Grand Junction (KFXJ) Colorado—Grand Junction (KFXJ)		100 100 100 100 100 100 100 100
Arizona—Lowell (KSUN) California—Bakersfield (KERN) California—Los Angeles (KGFJ) California—Stockton (KWG). Colorado—Fort Morgan (KGEW). Colorado—Grand Junction (KFXJ). Colorado—Yuma (KGEK). Georgia—Columbus (WRBL). (Juho—Numa (KFXJ).		100 100 100 100 100 100 100 100 100
Arizona—Lowell (KSUN) California—Bakersfield (KERN). California—Los Angeles (KGFI). California—Los Angeles (KGFI). California—Stockton (KWG). Colorado—Fort Morgan (KGEW). Colorado—Grand Junction (KFXJ). Colorado—Yuma (KGEK). Georgia—Columbus (WRBL). Idaho—Nampa (KFXD). Illinois—Decatur (WJBL). Illinois—Decatur (WJBL).		100 100 100 100 100 100 100 100 100 100
Arizona—Lowell (KSUN) California—Bakersfield (KERN). California—Los Angeles (KGFI). California—Los Angeles (KGFI). California—Stockton (KWG). Colorado—Fort Morgan (KGEW). Colorado—Grand Junction (KFXJ). Colorado—Yuma (KGEK). Georgia—Columbus (WRBL). Idaho—Nampa (KFXD). Illinois—Decatur (WJBL). Illinois—LaSalle (WJBC). Illinois—Losalle (WJBC). Indiata—Hammond (WWAE). Indiata—Hammond (WWAE). Indiata—Hammond (WWAE). Indiata—Sutt Bond (WYAM).		100 100 100 100 100 100 100 100 100 100
Arizona—Lowell (KSUN) California—Bakersfield (KERN) California—Los Angeles (KGFJ) California—Los Angeles (KGFJ) California—Stockton (KWG) Colorado—Fort Morgan (KGEW) Colorado—Grand Junction (KFXJ) Colorado—Yuma (KGEK) Georgia—Columbus (WRBL) Idaho—Nampa (KFXD) Illinois—Decatur (WJBL) Illinois—LaSalle (WJBC) undiata—Hammond (WWAE) undiana—South Bend (WFAM) Iowa—Marshalltown (KFJB)	Days	100 100 100 100 100 100 100 100 100 100
Arizona—Lowell (KSUN) California—Bakersfield (KERN) California—Los Angeles (KGFJ) California—Stockton (KWG) California—Stockton (KWG) Colorado—Fort Morgan (KGEW) Colorado—Grand Junction (KFXJ) Colorado—Yuma (KGEK) Georgia—Columbus (WRBL) (daho—Nampa (KFXD) Illinois—Decatur (WJBL) Illinois—La8alle (WJBC) undiata—Hammond (WWAE) undiana—South Bend (WFAM) (owa—Marshalltown (KFJB)	Days Nights	100 100 100 100 100 100 100 100 100 100
Arizona—Lowell (KSUN) California—Bakersfield (KERN) California—Los Angeles (KGFJ) California—Stockton (KWG) California—Stockton (KWG) California—Stockton (KWG) Colorado—Fort Morgan (KGEW) Colorado—Yuma (KGEK) Georgia—Columbus (WRBL) (Idaho—Nampa (KFXD) Illinois—Decatur (WJBL) Illinois—LaSalle (WJBC) Indiata—Hammond (WWAE) Indiata—Hammond (WWAE) Indiana—South Bend (WFAM) Iowa—Marshalltown (KFJB) Kentucky—Louisville (WLAP) Louisiana—Monree (KMLB)	Days Nights Days Nights	100 100 100 100 100 100 100 100 100 100
Arizona—Lowell (KSUN) California—Bakersfield (KERN) California—Los Angeles (KGFJ) California—Stockton (KWG) California—Stockton (KWG) California—Stockton (KWG) Colorado—Grand Junction (KFXJ) Colorado—Grand Junction (KFXJ) Colorado—Yuma (KGEK) Georgia—Columbus (WRBL) Idaho—Nampa (KFXD) Illinois—Decatur (WJBL) Illinois—LaSalle (WJBC) Indiata—Hammond (WWAE) Indiata—Hammond (WWAE) Indiana—South Bend (WFAM) Iowa—Marshalltown (KFJB), Kentucky—Louisville (WLAP) Louisiana—Monree (KMLB) Louisiana—Now Orleans (WBBX) Louisiana—New Orleans (WJBW)	Days Nights Days Nights	100 100 100 100 100 100 100 100 100 100
W. Va.—Huntangton (WSAL) Alabama—Huntsville (WBHS). Arkanasa—Little Rock (KGHI). Arkanasa—Little Rock (KGHI). Arkansas—Paragould (KBTM). Arizona—Lowell (KSUN). California—Los Angeles (KGFI). California—Stockton (KWG). California—Stockton (KWG). Colorado—Fort Morgan (KGEW). Colorado—Grand Junction (KFXJ). Colorado—Grand Junction (KFXJ). Colorado—Grand Junction (KFXJ). Illinois—Lassale (WJBL). Illinois—Lassale (WJBL). Illinois—Lassale (WJBC). Indiata—Hammond (WWAE). Indiana—South Bend (WFAM). Iowa—Marshalltown (KFJB). Kentucky—Louisville (WLAP). Louisiana—Monree (KMLB). Louisiana—New Orleans (WJBW). Maine—Bangor (WABD). Massachusetts—Worcester (WORC). Minneasta—Ferrus Falls (KGDE).	Days Nights Days Nights	100 100 100 100 100 100 100 100 100 100
Louisiana—Monree (KMLB). Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WJBW) Maine—Bangor (WABI). Massachusetts—Worcester (WORC). Minnesota—Ferrus Falls (KGDE).	Davs	100 100 100 100 100 250 100
Louisiana—Monree (KMLB). Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WJBW). Maine—Bangor (WABI). Massachusetts—Worcester (WORC). Minnesota—Fergus Falls (KGDE). Missouri—St. Louis (KWF). Missouri—St. Louis (WII).	.Days Nights	100 100 100 100 100 250 100 250
Louisiana—Monree (KMLB). Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WJBW). Maine—Bangor (WABI). Massachusetts—Worcester (WORC). Minnesota—Fergus Falls (KGDE). Missouri—St. Louis (KWF). Missouri—St. Louis (WII).	.Days Nights	100 100 100 100 100 250 100 250 100 100
Louisiana—Monree (KMLB). Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WJBW). Maine—Bangor (WABI). Massachusetts—Worcester (WORC). Minnesota—Fergus Falls (KGDE). Missouri—St. Louis (KFWF). Missouri—St. Louis (WIL). Montana—Missoula (KGVO). New York—Utica (WIBX).	Days Nights Days Days	100 100 100 100 100 250 100 250 100 300 100
Louisiana—Monree (KMLB). Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WJBW). Maine—Bangor (WABI). Massachusetts—Worcester (WORC). Minnesota—Fergus Falls (KGDE). Missouri—St. Louis (KFWF). Missouri—St. Louis (WIL). Montana—Missoula (KGVO). New York—Utica (WIBX).	Days Nights Days Days	100 100 100 100 100 250 100 250 100 100 300 100 250
Louisiana—Monree (KMLB). Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WBBX) Maine—Bangor (WABI). Massachusetts—Worcester (WORC). Minnesota—Fergus Falls (KGDE). Missouri—St. Louis (KFWF). Missouri—St. Louis (KFWF). Montana—Missoula (KGVO). New York—Utica (WIBX). Ohio—Canton (WHBC). Ohio—Cincinnati (WFBE).	Days Nights Days Nights Days Nights	100 100 100 100 100 100 100 250 100 100 250 100 100 100 100 100 100 100 100 100 1
Louisiana—Monree (KMLB). Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WBBX) Maine—Bangor (WABI). Massachusetts—Worcester (WORC). Minnesota—Fergus Falls (KGDE). Missouri—St. Louis (KFWF). Missouri—St. Louis (KFWF). Montana—Missoula (KGVO). New York—Utica (WIBX). Ohio—Canton (WHBC). Ohio—Cincinnati (WFBE).	Days Nights Days Nights Days Nights	100 100 100 100 100 100 100 250 100 100 250 100 100 100 100 100 100 100 100 100 1
Louisiana—Monree (KMLB). Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WBBX) Maine—Bangor (WABI). Massachusetts—Worcester (WORC). Minnesota—Fergus Falls (KGDE). Missouri—St. Louis (KFWF). Missouri—St. Louis (KFWF). Montana—Missoula (KGVO). New York—Utica (WIBX). Ohio—Canton (WHBC). Ohio—Cincinnati (WFBE).	Days Nights Days Nights Days Nights	100 100 100 100 100 100 100 250 100 100 250 100 100 100 100 100 100 100 100 100 1
Louisiana—Monree (KMLB). Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WBBX) Maine—Bangor (WABI). Massachusetts—Worcester (WORC). Minnesota—Fergus Falls (KGDE). Missouri—St. Louis (KFWF). Missouri—St. Louis (KFWF). Montana—Missoula (KGVO). New York—Utica (WIBX). Ohio—Canton (WHBC). Ohio—Cincinnati (WFBE).	Days Nights Days Nights Days Nights	100 100 100 100 100 100 100 250 100 100 250 100 100 100 100 100 100 100 100 100 1
Louisiana—Monree (KMLB) Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WBBX) Maine—Bangor (WABD) Massachusetts—Worcester (WORC) Minesota—Fergus Falls (KGDE) Missouri—St. Louis (KFWF) Missouri—St. Louis (KFWF) Missouri—St. Louis (WIL) Montana—Missoula (KGVO) New York—Utica (WIBX) Dhio—Canton (WHBC) Dhio—Cineinnati (WFBE) Dklahoma—Ponea City (WBBZ) Pennsylvania—Carbondale (WNBW) Pennsylvania—Laneaster WKJC) Pennsylvania—Laneaster WKJC) Pennsylvania—Silverhaven (WNBO) South Carolina—Greenville (WFBC)	Days Nights Days Nights Days Nights Days Nights Days Nights Nights	100 1000 1000 1000 1000 1000 250 1000 100
Louisiana—Monree (KMLB). Louisiana—New Orleans (WBBX) Louisiana—New Orleans (WBBX) Maine—Bangor (WABI). Massachusetts—Worcester (WORC). Minnesota—Fergus Falls (KGDE). Missouri—St. Louis (KFWF). Missouri—St. Louis (KFWF). Montana—Missoula (KGVO). New York—Utica (WIBX). Ohio—Canton (WHBC). Ohio—Cincinnati (WFBE).	Days Nights Days Nights Days Nights Days Nights Days Nights Nights	100 1000 1000 1000 1000 1000 250 1000 100

Vermont—Springfield (WNBX)	250
Virginia—Petersburg (WPHR)	250 100
Washington—Bellingham (KVOS)	100 100
Virginia—Petersburg (WPHR). Days Washington—Bellingham (KVOS). Nights Wisconsin—Green Bay (WHBY). Wisconsin—Janesville (WCLO). 1.210 KILOCYCLES Alabama—Gadsden (WJBY).	100
Alabama—Gadsden (WJBY)	100
Alabama—Troy (WHET) Arkansas—Fort Smith (KFPW)	100
California—Eureka (KIEM)	100 50
California—San Bernardino (KFXM)	100
Illinois—Chicago (WCRW)	100 100
Hlinois—Chicago (WEDC)	100
Illinois—Harrisburg (WEBQ). Illinois—Rock Island (WHBF).	100
Wisconsin—Janesville (WCLO)  Alabama—Gadsden (WJBY)  Alabama—Groy (WHET)  Arkansas—Fort Smith (KFPW) California—Eureka (KIEM) California—Pasudena (KPFC) California—Pasudena (KPFC) California—Pasudena (KPFC) California—San Bernardino (KFXM) Georgia—Thomasville (WQDX) Illinois—Chicago (WEDC) Illinois—Chicago (WEDC) Illinois—Chicago (WEDC) Illinois—Harrisburg (WEBQ) Illinois—Harrisburg (WEBQ) Illinois—Springfield (WCBS) Illinois—Springfield (WCBS) Illinois—Springfield (WTAX) Indiana—Anderson (WHBC) Kansas—Dodge City (KGNO) Louisinna—Shreveport (KWEA) Maryland—Hagerstown (WJEJ) Mississippi—Greenville (WKFI)	100
Indiana—Anderson (WHBU)	100
Louisiana—Shreveport (KWEA)	100
Maryland—Hagerstown (WJEJ)	100
Missouri—Cape Girardeau (KFVS)	100
Nebraska—Lincoln (KFOR)	250 100
New Jersey—Red Bank (WJBI)  New York—Chester Township (WGNY)  New York—Freeport (WGBB)  New York—Hthace (WLCI)  New York—Jamestown (WOCL)  New York—White Plains (WFAS)  North Carolina—Gastonin (WSOC)  North Dakota—Devils Lake (KDLR)	
New York—Freeport (WGBB)	50 100
New York—Ithaea (WLCI) New York—Jamestown (WOCL)	50
New York—White Plains (WFAS)	100
North Dakota—Devils Lake (KDLR)	100
Ohio—Columbus (WSEN)	100
Okl. homa—Elk City (KASA)	100
Oklahoma—Elk City (KGMP) Oregon—Klamath Falls (KFJI)	100
Pennsylvania—Wilkes Barre (WBAX)	100
South Dakota Watertown (KGCR)	100
Virginia—Richmond (WBBL)	100
Virginia—Riehmond (WMBG) Washington—Olympia (KGY)	100
Wisconsin—Manitowoe (WOMT)	100
1,220 KILOCYCLES	1,000
Kansas-Lawrence (KFKU)	500
New York—Canton (WCAD)	1,000 500
North Carolina—Gastonia (WSOC) North Dakota—Devils Luke (KDLR) Ohio—Akron (WJW) Ohio—Columbus (WSEN) Ohio—Zanesville (WALR) Oki homa—Eik City (KASA) Oki homa—Eik City (KASA) Oki homa—Eik City (KASA) Okinboma—Eik City (KGMP) Oregor—Klamath Falls (KFII) Pennsylvania—Wilkes Barre (WBAX) Rhode Island—Providence (WPRO) South Dakota—Putkes Barre (WBAX) Virginia—Richmond (WBBL) Virginia—Richmond (WBBL) Virginia—Richmond (WBBL) Virginia—Richmond (WBBL) Virginia—Richmond (WBBL) Virginia—Richmond (WBBL) Virginia—Pichmond (WBBL) Florida—Tarpa (WDAE) Kansas—Lawrence (KFKU) Kansas—Lawrence (KFKU) Kansas—Lawrence (WREN) New York—Canton (WCAD) Pennsylvania—Pittaburgh (WCAE) Washington—Pullman (KWSC) Days Washington—Sautle (KTW)	1,000 2,000
Washington—Seattle (KTW)Nights	1,000 1,000
1,230 KILOCYCLES	250
California—San Francisco (KYA)	1,000
Indiana—Indianapolis (WFBM)	1,000 500
Washington—Seattle (KTW)  1,230 KILOCYCLES  Alaska—Anchorage (KPQD) California—San Francisco (KYA) Indiana—Indianapolis (WFBM) Indiana—South Bend (WSBT) Massachusetts—Boston (WNAC) New Mexico—Albuquerque (KGGM)  1,240 KILOCYCLES	1,000 500
1,240 KILOCYCLES Nights	250
Idaho—Twin Falls (KTFI)	
Michigan—Detroit (WXYZ)	1,000
North Dakota—Mandah (KGC-U) North Dakota—Minot (KLPM)	250
Porto Rico—San Juan (WKAQ) Texas—Fort Worth (KTAT)	1,000
Michigan—Detroit (WXYZ),   Nights	1,000
Louisiana—New Orleans (WDSU)	1,000
Minnesota Minneapolis St. Paul (WRHM)	1,000
New Jersey—Newark (WAAM) Days	2,500
New Jersey—Newark (WGCP)         Nights           New Jersey—Patte son (WODA)         1,280 KILOCYCLES           Arizona—Tucson (KVOA)         Arkansas—Fayettevi le (KUOA)           Georgia—Savannah (WTOC)         Iowa—Counceli Bluffs (KOIL)           Pennsylvania—Eric (WLBW)         Days           Niebts         Niebts	1,000 250
New Jersey—Patte son (WODA)	1,000
Arizona—Tueson (KVOA)	500 1,000
Georgia—Savannah (WTOC)	500
Pennsylvania—Erie (WLBW)	1,000 1,000
Texas—Brownsville (KWWG) Nights	500
Texas—Brownsville (KWWG). Texas—Harlingen (KRGV). Vermont—Springfield (WNBX). 1,270 KILOCYCLES	500 250
1,270 KILOCYCLES Colorado—Colorado Springs (KVOR)	1,000
Iowa—Decorah (KGCA)	100
Michigan—Grand Rapids (WOOD)	500 500
Colorado—Colorado Springs (KVOR).  Iowa—Decorah (KGCA).  Maryland—Baltimore (WFBR).  Michigan—Grand Rapids (WOOD).  Mississippi—Jackson (WJDX).  Washington—Seattle (KOL).  1,280 KILOCYCLES	1,000
Montana Ofent Paus (APDD)	2,500
	1,000
New Jersey—Asbury Park (WCAP). New Jersey—Camden (WCAM). New Jersey—Trenton (WTNJ). Tennessee—Chattanooga (WDOD). Days	500
Tennessee—Chattanooga (WDOD) Days	500 2,500
Texas—Dallas (WRR)	1,000 500
Nights	1,000
1.290 KILOCYCLES	50
New York—Saranac Lake (WMBZ). Pennsylvania—Pittsburgh (WJAS). Days	2,500
Porto Rico-San Juan (WNEL)	1,000 500
Texas—Galveston (KFUL). Texas—San Antonio (KTSA)	1,000

KADIO LOO	
Utah—Salt Lake City (KDYL)	1,000 2,500
1 200 KH OCYCLES Nights	1,000
California-Los Angeles (KGEF)	1,000
Florida—Miami (WIOD)	1,000
Kansas—Wiehita (KFH) Missouri—Kansas City (WOQ)	1,000
New York—Brooklyn (WBBR) New York—New York (WEVD)	1,000
New York—New York (WFAB)	1,000
Oregon—Portland (KALE)	500
California—Los Angeles (KFAC) Florida—Miami (WIOD) Kansas—Wichita (KFH) Missouri—Kansas City (WOQ) New York—Brooklyn (WBBR) New York—New York (WEVD) New York—New York (WFAB) New York—Troy (WHAZ) Oregon—Portland (KALE) Oregon—Portland (KALE)  1,310 KILOCYCLES  Alabama—Birmingham (WKBC)	500
Alabama—Birmingham (WKBC). Alaska—Juneau (KIFH).	100
Arizona—Jerome (KCRJ).  California—Sacramento (KFBK).	100
District of Columbia—Washington (WOL)	100
Illinois—Joliet (WCLS)	100
Alabama—Birmingham (WKBC). Alaska—Juneau (KIFH). Arizona—Jerome (KCRJ). California—Sacramento (KFBK). District of Columbia—Washington (WOL). Illinois—Galesburg (WKBS). Illinois—Joliet (WCLS). Illinois—Joliet (WKBB). Indiana—Elkhart (WTRC). Days Nights	100
Indiana—Muncie (WLBC)	50
Iowa—Boone (KFGQ)	100
Iowa—Ottumwa (WIAS)	100
Massachusetts—New Bedford (WNBH) Days Nights	250 100
Michigan—Flint (WFDF) Michigan—Marquette (WBEO) Mississippi—Laurel (WAML) Mississippi—Laurel (WAML) Michigan—Royal Oak (WEXL) Missouri—Springfield (KGBX) Montana—Kalispell (KGEZ) Montana—Wolf Point (KGCX) Days	100
Mississippi—Laurel (WAML)	100
Missouri—Springfield (KGBX).	100
Montana—Wolf Point (KGCX) Days	250
Nebraska—Kearney (KGFW)Nights	100 100
New York—Auburn (WMBO)	100
Montana	250 100
North Carolina—Winston Salem (WSJS)  Oklahoma—Oklahoma City (KFXR)  Days Nights	100 250
Organ Mulford (FMFD)	100
Pennsylvania—Altoona (WFBG).	100
Pennsylvania—Grove City (WSAJ). Pennsylvania—Johnstown (WJAC)	100
Pennsylvania—Laneaster (WGAL)	100
Pennsylvania—Philadelphia (WTEL) Pennsylvania—Reading (WRAW)	100
Pennsylvania—Wilkes-Barre (WBRE)	100 250
Oregon—Medford (KMED). Pennsylvania—Altoona (WFBG). Pennsylvania—Grove City (WSAJ). Pennsylvania—Grove City (WSAJ). Pennsylvania—Johnstown (WJAC). Pennsylvania—Laneaster (WGAL). Pennsylvania—Haladelphia (WHAT). Pennsylvania—Philadelphia (WHEL). Pennsylvania—Reading (WRAW). Pennsylvania—Wilkes-Barre (WBRE). Tennessee—Jackson (WTJS). Days Nights	100
Tennessec = Knoxyllfe (WROL)   Texas = Dublin (KFPL)   Texas = El Paso (KTSM)   Texas = El Paso (WDAH)   Texas = Freenville (KFPM)   Texas = Creenville (KFPM)   Days   Wights   Wigh	100
Texas—El Paso (WDAH)	100
Texas—Lubbock (KFYO)	57.0
Texas—Lubbock (RFYO).   Days	100
Washington—Yakima (K1T)	100
Colorado—Pueblo (KGHF)	500
Idaho—Idaho Falls (KID)	500
Toano-Toano Fans (KID). Days Louisiana—New Orleans (WSMB). Nights Ohio—Tallmadge (WADC). Hawaii—Honolulu (KGMB). California—San Diego (KGB).	250 500
Ohio—Tallmadge (WADC) Hawaii—Honolulu (KGMB)	1,000
1,330 KILOCYCLES           California—San Diego (KGB).         Connecticut—Hartford (WDRC)           Lowa—Sioux City (KSCJ)         Days           Nights         Nights	1,000
Connecticut—Hartford (WDRC)	500
10wa—sioux Gity (KSCJ)	1,000
Washington—Tacoma (KMO)Nights	500 250
Wisconsin—Eau Claire (WTAQ)	1,000
Florida—Pensacola (WCOA) Kansas—Dodge City (KGNO) Ohio—Toledo (WSPD) Washington—Spokane (KFPY)	500 250
Ohio—Toledo (WSPD)	1,000
A APP WILL A AWAY TO	4,000
Idaho—Boise (KIDO)  Missouri—St. Louis (KWK)	1,000
New Jersey—Zarephath (WAWZ)	250 250
New York—New York (WCDA)	250 250
Idaho—Boise (KIDO).  Missouri—St. Louis (KWK). New Jersey—Zarephath (WAWZ). New York—New York (WBNX). New York—New York (WCDA). New York—New York (WMSG). Virginia—Emory (WEHC).	500
1,360 KILOCYCLES  California—Long Beach (KGER). Sundays Illinois—Chicago (WGES). Sundays Weekdays	1,000
Illinois—Chicago (WGES),	1,000
Mississippi Vicksburg (WQBC).  Mississippi Vicksburg (WQBC).  Montana—Butte (KGIR).  Days  Nights	500 1,000
New lore Syracuse (Wf DL) Days	2.500
South Carolina—Charleston (WCSC)	1,000
1,370 KILOCYCLES Arizona—Tuscon (KGAR)	250
California—Berkeley (KRF) Nights	100
Florida—Tampa (WMBR)	100
California—Berkeley (KRE). Nights California—Berkeley (KRE). Nights Florida—Tampa (WMBR) Georgia—Atlanta (WJTL). Indiana—Fort Wayne (WGL). Iowa—Des Moines (KSO). Days Nights	100 250
Maine Augusta (WDDA)	100
Maine—Augusta (WRDO)	100

# PAUL WHITEMAN ... was the



first exponent of modern music to crash "Who's Who", the first to garb popular rhythms in symphonic attire and elevate them to the formal atmosphere of the concert stage.



DAVID ROSS . . . tried his hand as a newsboy, reporter, actor and teacher before he took up radio. Writes poetry. Born in New York in 1895. Struggled against poverty; worked his way through college. He's 5 feet 5 inches tall.



known as the Fire Chief, started his career in the millinery shop of his father, and still likes to appear on the stage in unbelievable headgear. Fame was made first on the stage. Makes movies.



Greenville, Va., 24 years ago. Spent her childhood as a tomboy in Washington, D. C., where she sang and received the praises of Presidents Wilson and Harding. Studied nursing.

	Studied	nursii	ıg.
Maryland—Baltimore (	WCBM)	Days	250
			100
Massachusetts-Lexingt	on (WLEY)	Days	250
			100
Michigan-Calumet (W	HDF)	Days	250
			100
Michigan-Detroit (WJ)	BK))		50
Michigan-Jackson (WI	BM)		100
Michigan—Detroit (WJI Michigan—Jackson (WI Mississippi—Hattiesburg	(WPFB)		100
Missouri-Kansas City	KWKC)		100
Missouri—Kansas City ( New Mexico—Clovis (K New Mexico—Raton (K	CEL	*******	50
New York—Buffalo (WS New York—Glens Falls North Carolina—Wilmin North Dakota—Grand I	GFL)		50
New York—Glane Folls	(WGLC)		50
North Carolina—Wilmin	neton (WRAM)		100
North Dakota-Grand I	Forks (KFJM)		100
Ohio-Mount Orab (WI	HBD)		100
Ohio-Mount Orab (WI Oklahoma-Enid (KCR)	C)	Days	250
			100
Oklahoma-Oklahoma C	City (KGFG)		100
Oregon-Marshfield (K	00s)	Constant?	100
Oregon—Marshfield (K Pennsylvania—Philadel)	phia (WDAS)	Days	250 100
n i went	wind (W.HZO)	Nights	100
Pennsylvania—Williams Pennsylvania—Williams South Dakota—Mitchell	port (WJEAZ)		100
South Dekota Mitchell	(KGDA)		100
Tennessee—Memphis (V	VHBO)		100
Texas-Fort Worth (KF	JZ)		100
Tennessee — Memphis (W Texas — Fort Worth (KF Texas — Galveston (KFL	X)		100
Texas-San Angelo (KG	KL)		100
Texas-San Antonio (K.	MAC)		100
Texas—Galveston (KFL Texas—San Angelo (KG Texas—San Antonio (K Texas—San Antonio (K Vermont—St, Albans (W Virginia—Danville (W Virginia—Lyachburg (W Washington—Everett (K Washington—Seatile (W Washington—Walla Wal	ONO)	*********	100
Vermont-St. Albans (W	TAD TAD	******	100
Virginia Lanchburg (W.	TVA		100
Washington-Everett (F	(FBL)		50
Washington-Seattle (K	VL)		100
Washington-Walla Wal	lla (KUJ)		100
Wisconsin—Racine (WR 1,38	JN)		100
1,38	KILOCYCLES		700
Nevada-Reno (KOH)	****	DESCRIPTION AND ADDRESS OF	500
Ohio-Dayton (WSM K)	T (MON)	** ** ** ** **	200 500
Wissonsin In Crosse (	WKBH)		1,000
Ohio—Dayton (WSMK) Pennsylvania—Pittsburg Wisconsin—La Crosse (1,39	KILOCYCLES		*10.00
			1,000
		Nights	500
Arkansas-Little Rock (	KLRA)		1,000
Arkansas—Little Rock ( Ohio—Cleveland (WHK 1,40 Indiana—Indianapolis (	NII OOVOL PO		1,000
To House To Hammadia (	O KILUCIGLES		500
			500
New York—Brooklyn (1	WARD)		500
New York-Brooklyn (V	VBBC)	*********	500
New York-Brooklyn (V	WFOX)	*******	500
Oklahoma-Chickasha (	KOCW)	Days	500
Indiana—W. Lafayette ( New York—Brooklyn () New York—Brooklyn () New York—Brooklyn () Oklahoma—Chickasha ()		Nights	250
Utah—Ogden (KLO)	A WILL ORVELES		500
Alabama—Mobile (WO)	KILUCICLES		500
Alabama - Mobile (WO)		12\	
(Contin	ued on page	15)	

# The Scenes

In the Daily Drama of Producing Tone Perfect National Union Radio Tubes.



An operator working at one of the new National Union high speed stem making machines. She was formerly with West-inghouse Lamp Works and has had seven years experience in tube manufacture.



Dr. Ralph E. Myers, Vice President in Charge of Engineering and Production of National Union Radio Corporation. An acknowledged leader in the field of radio tube science.



J. H. Leggett, Foreman of Stem Making Department has supervised operations which range from vacuum tubes to giant locomotive headlight lamps during the past twenty-four years.



Upper left shows a corner of the National Union Testing Department. After manufacture every tube is double checked by a corps of experts to assure uniform precision and consistent superiority in National Union tubes.

Above shows a section of the Mounting Department. This group of inspectors, monitors and mounters represents seventy-two years of tube making experience. Most of the workers came to National Union direct from Westinghouse Lamp Works.

# Our Radio Log

-	-	2 4			446
100	1 1331	12112111111	from	DOLORS.	771
1190	A- 40.43	TTITLETT	38.00 848	puy	221

Alabama—Montgomery (WSFA). Illinois—Rockford (KFLV). Massachusetts—Boston (WAAB).	200 1							
Massachusetts-Boston (WAAB)		Massachusetts-Boston (WLOE)		250	B. Columbia-Vancouve	r (CKMO)		_ 100
THE REPORT OF THE PERSON AND THE PER	500 500	Michigan—Lapeer (WMPC)	Nights	100	Quebec-Montreal (CK. 780	KILOCYCLES		5,000
Michigan—Bay City (WBCM)	500	Michigan—Lapeer (WMPC)		100 100	Manitoba—Winnipeg (C Ontario—Fort Williams	NRW).		5,000
Texas—Amarillo (WDAG)	1,000	Mississippi – Kosciusko (WHEF)	Days	250	280	KILDCYCLE	5	
Virginia—Roanoke (WRBX) West Virginia—Bluefield (WHIS)	230		Nurbis	100	Manitoba—Winnipeg (C Nova Scotia—Sydney (C Ontario—Ottawa (CRC)	JRW)		. 1,000
Wisconsin—Sheboygan (WHBL)	500	Missouri—Grant City (KGIZ) Nebraska—Scottsbluff (KGKY) New York—Binghamton (WNBF)		100	Ontario—Ottawa (CRC) Quebec—Quebec (CKC)	0)		1,000
Alabama—Anniston (WAMC)	100	New York—Brooklyn (WMBO)		100	Saskatchewan-Moose J	aw (CJRM)	*******	500
Alabama—Florence (WNRA)	100	New York—Brooklyn (WMIL) New York—Woodside (WWRL) Pennsylvania—Philadelphia (WPEN)		100	Alberta—Lethbridge (C.	(OC)		. 100
Arkansas—Texarkana (KCMC)	100	Pennsylvania—Philadelphia (WPEN)	Days Nights	250 100	Ontario—Hamilton (CH	M (a)		. 50
Colorado—Lamar (KIDW)	100	Pennsylvania—Pittsburgh (WWSW)	Days	250	Ontario—Ottawa (CKC)	KILOCYCLE	S	£ 000
Colorado—Trinidad (KGIW)	100	Tennessee—Bristol (WOPI)	Nights	100	Manitoba—Winnipeg (C Saskatchewan—Saskato Saskatchewan—Saskato	on (CFQC)		500
Georgia—Americus (WENC)	100	Texas—Austin (KNOW). Texas—Corpus Christi (KGFI).	Days	100 250	Saskatchewan—Saskato	on (CNRS) 5 KILOCYCLE	S	. 500
Illinois—Cicero (WKBI)	100	Texas—Tyler (KGKB)	Nights	100	Ontario-Kingston (CF)	RC)	Days Night	200
Illinois—Cicero (WHFC). Iowa—Cedar Rapids (KWCR). Days		Vermont—Rutland (WSYB) Washington—Wenatchee (KPQ)				KILOCYCLE	S	
Nights	100	Washington-Wenatchee (KPQ)	**********	100	Manitoba—Brandon (C. Ontario—North Bay (C.	FCH)		100
Kansas—Kansas City (WLBF).  Kentucky—Paducah (WPAD).		Canadian Sta	tions		Ontario—Prescott (CFL	C)		. 100
Louisian — Lewisburg (WJBU) Loui iana—New Orleans (WJBO)	100				Ontario—Preston (CKP	KILOCYCLE	S	5 000
Maine—Presque Isle (WAGM)	100	CFAC Calgary, Alta. CFBO Saint John, N. B.	500 100	890 1,030	Ontario—Toronto (CRC Saskatchewan—Regina 101	(CKCK)		. 500
Maryland—Cumberland (WTBO) Days Nights	250	CFCA Toronto, Ont.		1,120	B. Columbia—Vancouve	CKCD)	S	200
Massachusetts—Springfield (WMAS)	100	CFCH North Bay, Ont.	100	930	B. Columbia Vancouve	er (CKWX)		100
Michigan—Detroit (WMBC)	250	CFCN Calgary, Alta. CFCO Chatham, Ont.		1,030 1,210	Nova Scotia—Wolfvi le Saskatchewan—Regina	(CHWC)		500
Michigan—Ironwood (WJMS)Nights	100	CFCT Victoria, B. C. CFCY Charlottetown, P. E. I.		1,430 630	Alberta-Calgary (CEC)	KILOCYCLE		10,000
Missouri—Joplin (WMBH)	250	CFJC Kamloops, B. C.	100	1,120	New Brunswick—St. Jo Ontario—Toronto (CKN	hn (CFBO)		100
Nevada—Las Vegas (KGIX),	100	CFLC Prescott, Ont. CFNB Fredericton, N. B.	100	930	105	KILOCYCLE	S	
New York—Tupper Lake (WHDL) Oklahoma—Shawnee (KGFF) Oregon—Eugene (KORE)	100	CFQC Saskatoon, Sask. CFRB Toronto, Ont.	500 10,000	910 690	Nova Scotia—Halifax (C	KILOCYCLE	S	
Oregon—Portland (KBPS)	100	CFRC Kingston, Ont.	200	915	B. Columbia Vancouve	KILOCYCLE	S	500
Oregon—Portland (KXL)	100	CHGS Summerside, P. E. I. CHLP Montreal, Que.		1,120	Ontario—Toronto (CFC P. E. I.—Summerside (C	Al		500 100
Pennsylvania—Erie (WERE).  Pennsylvania—Erie (WLEU)	100	CHMA Edmonton, Alta. CHML Hamilton, Ont.	250	580 890	Muebec - Montreal (CH)	A horasana		100
Pennsylvania—Haaleton (WAZL)	100	CHNS Halifax, N. S.	500	1,050	B. Columbia-Van ouve	KILOCYCLE		. 500
South Carolina—Spurtanburg (WSPA) Days Nights	100	CHRC Quebec, Que. CHWC Regina, Sask	100 500 1	645	New Brunswick—Freder Ontario—Chatham (CFC	ricton (CFNB)		. 100
Texas-San Antonio (KABC)	100	CJCA Edmonton, Alta. CJCB Sydney, N. S.	500 100	730 880	1310	KILOCYCLE	S	
Texas—Texarkana (KCMC). Texas—Waeo (WACO). Wiseonsin—Fond du Lae (KFIZ).		CJCJ Calgary, Alta. CJGX Yorkton, Sask.	500 500	690 630	British Columbia—Kam	KILOCYCLE	S	
Wisconsin—Fond du Lac (KFIZ)		CJOC Lethbridge, Alta.	100	890	British Columbia—Vieto	KILOCYCLE	s	50
California—Los Angeles (KECA)		CJOR Vancouver, B. C. CJRM Moose Jaw, Sask.	500 1 500	880	Ontario—Hamilton (CK	OC)		. 500
New Hampshire—Manchester (WFEA)	500	CJRW Winnipeg, Man. CKAC Montreal, Que.	1,000 5,000	880 730				
New York—Albany (WOKO). New York—Rochester (WHEC).	500	C.(CD Vancos ver, B. C.	100 1	,010	Stations of Ce	ntral Am	erica, M	exico
Ohio Columbus (WCAH)	500	CKCK Regina, Sask. CKCL Toronto, Ont.	500 500	960 580	(Arrange	ed Alphabe	tically)	
Pennsylvania—Harrisburg (WBAK) Pennsylvania—Harrisburg (WHP)Days Nights	1,000	CKCO Ottawa, Ont. CKCR Waterloo, Ont.	100	890 645	Cent	ral Amer	ica	
Tennessee—Memphis (WNBR)	500	CKCV Quebec, Que.	50 50	880 730	COSTA RICA	i di / tillei	100	
1,440 KILOCYCLES							Dawer VI	
California—Oakland (KLS)			5,000	840	Cartago	TIFS	Power Ki	1,441
Illinois—Peoria (WMBD)	1,000	CKIC Wolfville, N. S.	5,000 50 1	840 ,010		TIGA	7.5	1,441
Illinois—Peoria (WMBD)	1,000 500 500	CKIC Wolfville, N. S. CKLW Windsor, Ont. CKMO Vancouver, B. C.	5,000 -50 -5,000 100	840 ,010 540 730	Cartago	TIGA TIC TTICR	7.5 30 15 30	1,441 1,014 882 1,180
Illinois—Peoria (WMBD). Days Illinois—Quincy (WTAD). Nights New York—Alhany (WOKO). New York—Rechester (WHEC).	1,000 500 500 500 500	CKIC Wolfville, N. S. CKLW Windsor, Ont. CKMO Vancouver, B. C. CKNC Toronto, Ont. CKOC Hamilton, Ont.	5,000 -50 1,000 100 500 1 500 1	840 ,010 540 730 ,030 ,010	Cartago	TIGA TIC TTICR IEA TIEP	7.5 30 15 30 7.5 7.5	1,441 1,014 882 1,180 833 1,450
Illinois—Peoria (WMBD)	1,000 500 500 500 500 1,000	CKIC Wolfville, N. S. CKLW Windsor, Ont. CKMO Vancouver, B. C. CKNC Toronto, Ont. CKOC Hamilton, Ont. CKPB Fort William, Ont.	5,000 50 1 5,000 100 500 1	840 ,010 540 730 ,030	Cartago	TIGA TIC TTICR	7.5 30 15 30 7.5	1,441 1,014 882 1,180 833 1,450 714
Illinois—Peoria (WMBD)	1,000 500 500 500 500 1,000 500 250	CKIC Wollville, N. S. CKLW Windsor, Ont. CKMO Vancouver, B. G. CKNC Toronto, Ont. CKOC Hamilton, Ont. CKPA Fort William, Ont. CKUA Edmonton, Alta. CKWX Vancouver, B. G.	5,000 50 1 5,000 100 500 1 500 1 100 500 100	840 ,010 540 ,730 ,030 ,010 780 580 ,010	Cartago	TIGA TIC TTICR IEA TIEP TIFB TIGP TISO	7.5 30 15 30 7.5 7.5 30 75 50	1,441 1,014 882 1,180 833 1,450 714 666 600
Illinois—Peoria (WMBD)	1,000 500 500 500 500 1,000 500 250 250 250	CKIC Wollville, N. S. CKLW Windsor, Ont. CKMO Yancouver, B. C. CKNC Toronto, Ont. CKPR Fort William, Ont. CKUA Edmonton, Alta. CKWX Yancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man.	5,000 500 100 500 5	840 ,010 540 730 ,030 ,010 780 580 ,010 930 910	Cartago	TIGA TIC TTICR IEA TIEP TIFB TIGP TISO TITR TITV	7.5 30 7.5 7.5 30 75 50 75 7.5	1,441 1,014 882 1,180 833 1,450 714 666 600 1,333 999
Illinois—Peoria (WMBD)	1,000 500 500 500 500 1,000 250 250 250 250 500	CKIC Wollville, N. S. CKLW Windsor, Ont. CKMO Yancouver, B. C. CKNC Toronto, Ont. CKNC Hamilton, Ont. CKNC Edmonton, Alta. CKWX Vancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CKNS Saskatoon, Sask. CKNW Innipeg, Man.	5,000 50 1 5,000 100 500 1 500 1 100 500 100 1 5,000 5,000 5,000	840 ,010 540 730 ,030 ,010 780 580 ,010 930 910 910 780	Cartago San Jose	TIGA TIC TTICR IEA TIEP TIFB TIGP TISO TITR	7.5 30 15 30 7.5 7.5 30 75 50 75	1,441 1,014 882 1,180 833 1,450 714 666 600 1,333
Illinois—Peoria (WMBD)	1,000 500 500 500 500 1,000 500 250 250 250 250 500	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNO Toronte, Ont. CKOC Hamilton, Ont. CKPR Fort William, Ont. CKVA Edmonton, Alta. CKWX Vancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CNRS Saskatoon, Sask. DNRW Winnipeg, Man. CRCA Winnipeg, Man. CRCA Winnipeg, Man. CRCA Moneton, N. B.	5,000 50 1 5,000 100 500 1 500 1 100 500 100 500 500 5,000 5,000 5,000 5,000	840 ,010 540 730 ,030 ,010 780 580 ,010 930 910 910 780 580 580	Cartago	TIGA TIC TICR IEA TIEP TIFB TIFB TISO TITR TITV TIVL	7.5 30 15 30 7.5 7.5 30 75 50 75 75 75 7.5	1,441 1,014 882 1,180 833 1,450 714 666 600 1,333 999 860 614
Illinois—Peoria (WMBD). Days Illinois—Quiney (WTAD). Nights New York—Albany (WOKO). New York—Rechester (WHEC). North Carolina—Greensboro (WBIG). Days Pennsylvania—Allentown (WCBA). Pennsylvania—Allentown (WSAN). Texas—Houston (KXYZ). Wyuming—Casper (KDFN). 1,459 KILOCYCLES Georgia—Athens (WTF). Louisiana—Shreveport (KTBS). Maesachusetts—Fall River (WSAR).	1,000 500 500 500 500 1,000 500 250 250 250 500 1,000 1,000	CKIC Wollville, N. S. CKLW Windsor, Ont. CKMO Yancouver, B. C. CKNC Toronto, Ont. CKNC Hamilton, Ont. CKNC Edmonton, Alta. CKWX Vancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CKNS Saskatoon, Sask. CKNW Innipeg, Man.	5,000 500 100 500 100 500 100 500 100 500 100 500 5	840 ,010 540 730 ,030 ,010 780 580 ,010 930 910 910 780	Cartago San Jose  GUATEMALA Guatemala City HONDURAS	TIGA TIC TITCR IEA TIEP TIFB TIGP TISO TITR TITY TIV TIVL TIXA	7.5 30 15 30 7.5 7.5 30 75 50 75 50 75 75 75 75 75 75 75 75 75 75 75 75 75	1,441 1,014 882 1,180 833 1,450 714 606 600 1,333 999 860 614
Illinois—Peoria (WMBD). Days Illinois—Quiney (WTAD). Nights New York—Alhany (WOKO). New York—Rochester (WHEC). North Carolina—Greensboro (WBIG). Days Pennsylvania—Allentown (WCBA). Pennsylvania—Allentown (WSAN). Texas—Houston (KXYZ). Wyoming—Casper (KDFN). 1,459 KH.OCYCLES Georgia—Athens (WTFI). Louissana—Shreveport (KTBS). Massachusetts—Fall River (WSAR). New Jersey—Jersey City (WHOM). New Jersey—Jersey City (WHOM).	1,000 500 500 500 500 1,000 250 250 250 1,000 1,000 250 250 1,000 1,000 250 250 250 250 250 250 250	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNO Toronto, Ont. CKOC Hamilton, Ont. CKPR Fort William, Ont. CKUA Edmonton, Alta. Vancouver, B. C. CKY Prandon, Man. CKY Winnipeg, Man. CRCA Winnipeg, Man. CRCA Winnipeg, Man. CRCA Moncton, N. B. CRCO Ottawa, Ont. CRCV Vancouver, B. C.	5,000 50 1 5,000 100 500 1 500 1 100 500 100 1 500 500 500 5,000 5	840 ,010 540 730 ,030 ,010 780 580 ,010 930 910 910 910 780 880	GUATEMALA GUATEM	TIGA TIC TTICR IEA TIEP TIEP TISO TITR TITV TIVL	7.5 30 15 30 7.5 7.5 30 75 50 75 75 75 7.5	1,441 1,014 882 1,180 833 1,450 714 666 600 1,333 999 860 614
Illinois—Peoria (WMBD). Days Illinois—Quiney (WTAD). Nights New York—Albany (WOKO). New York—Rechester (WHEC). North Carolina—Greensboro (WBIG). Days Pennsylvania—Allentown (WCBA). Pennsylvania—Allentown (WSAN). Texas—Houston (KXYZ). Wyoming—Casper (KDFN). 1,459 KLOCYCLES Georgia—Athens (WTFI). Louisiania—Shreveport (KTBS). Maessechusetts—Fall River (WSAR). New Jersey—Jersey City (WHOM). New Jersey—Hackensack (WBMS). New Jersey—Hackensack (WBMS).	1,000 500 500 500 500 1,000 250 250 250 1,000 1,000 250 250 250 1,000 1,000 250 250 250 250 250 250 250	CKIC Wollville, N. S. CKLW Windsor, Ont. CKMO Toronte, Ont. CKOC Hamilton, Ont. CKOC Hamilton, Ont. CKUX Edmonton, Alta. CKWX Vancouver, B. C. CKX Winnipeg, Man. CKY Winnipeg, Man. CRCA Moncton, N. B. CRCA Moncton, N. B. CRCA Ottawa, Ont.	5,000 50 1 5,000 100 500 1 500 1 100 500 100 1 500 500 500 5,000 5	840 ,010 540 730 ,030 ,010 780 580 ,010 930 910 910 910 780 880	GUATEMALA Guatemala City HONDURAS San Pedro Sula	TIGA TICR TICR IEA TIEP TIFB TIGP TISO TITR TITV TIVL TIVL TIVL TIVL TIVL	7.5 30 15 30 7.5 7.5 30 75 50 75 7.5 30 7.5 7.5 250	1,441 1,014 882 1,180 833 1,450 714 666 600 1,333 909 860 614 1,320
Illinois—Peoria (WMBD). Days Illinois—Quiney (WTAD). Nights New York—Albany (WOKO). New York—Rechester (WHEC). North Carolina—Greensboro (WBIG). Days Pennsylvania—Allentown (WCBA). Pennsylvania—Allentown (WSAN). Texas—Houston (KXYZ). Wyoming—Casper (KDFN). 1,459 KILOCYCLES Georgia—Athens (WTF). Louisanas—Shreveport (KTBS). Maesachusetts—Fall River (WSAR). New Jersey—Jersey City (WHOM). New Jersey—Hackensack (WBMS). New Jersey—Newark (WXJ). Ohio—Cleveland (WGAR). Days Nights	1,000 500 500 500 500 1,000 500 250 250 250 1,000 1,000 1,000 250 250 250 1,000 1,0	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNOC Toronto, Ont. CKPR Fort William, Ont. CKUA Edmonton, Alta. CKWX Pancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CKRW Winnipeg, Man. CKRW Winnipeg, Man. CRCV Winnipeg, Man. CRCV Vancouver, B. C. Canadian Stat  [Arranged according to	5,000 50 1 5,000 100 500 1 500 1 100 500 100 1 5,000 5,	840 ,010 540 730 ,030 ,010 780 580 ,010 930 910 910 910 780 880	GUATEMALA Guatemala City HONDURAS San Pedro Sula Tegucijajpa SALVADOR	TIGA TICR TICR IEA TIEP TIFB TIGP TISO TITR TIV TIVL TIVL TIVL TIVL TIVL TIVL TIVL	7.5 30 15 30 7.5 7.5 30 75 50 75 7.5 250 7.5 250	1,441 1,014 1,014 833 1,450 606 600 1,333 999 860 614 1,320 1,350 1,370
Illinois—Peoria (WMBD). Days Illinois—Quiney (WTAD). Nights New York—Alhany (WOKO). New York—Rochester (WHEC). North Carolina—Greensboro (WBIG). Days Pennsylvania—Allentown (WCBA). Pennsylvania—Allentown (WCBA). Texas—Houston (KXYZ). Wyoming—Casper (KDFN). 1,450 KH.OCYCLES Georgia—Athens (WTFI). Louissana—Shreveport (KTBS). Massachusetts—Fall River (WSAR). New Jersey—Jersey City (WHOM). New Jersey—Jersey City (WHOM). New Jersey—Hackensack (WBAS). New Jersey—Newark (WNJ). Ohio—Cleveland (WGAP). Days Nights 1,450 KH.OCYCLES Minnesota—St. Paul (KSTP). Days	1,000 500 500 500 500 1,000 500 1,000 500 500 500 500 500 500 500	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNO Toronto, Ont. CKOC Hamilton, Ont. CKPR Fort William, Ont. CKUA Edmonton, Alta. CKWX Vancouver, B. C. CKY Winnipeg, Man. CKY Winnipeg, Man. CRCA Winnipeg, Man. CRCA Winnipeg, Man. CRCA Winnipeg, Man. CRCA CARW Winnipeg, Man. CRCA Winnipeg, Man. CRCA CARW CROLL Vancouver, B. C.  Canadian Stat  [Arranged according to 540 KILOCYCLES	5,000 500 100 500 100 500 100 500 100 500 100 500 5	840 ,010 540 730 ,030 ,010 780 580 ,010 930 910 910 910 780 880	GUATEMALA Guatemala City HONDURAS San Pedro Sula Tegucijajpa SALVADOR	TIGA TICR TICR IEA TIEP TIFB TIGP TISO TITR TIV TIVL TIVL TIVL TIVL TIVL TIVL TIVL	7.5 30 15 30 7.5 7.5 30 75 50 75 7.5 250 7.5 250	1,441 1,014 1,014 833 1,450 606 600 1,333 999 860 614 1,320 1,350 1,370
Illinois—Peoria (WMBD). Days Illinois—Quiney (WTAD). Nights New York—Alhany (WOKO). New York—Rochester (WHEC). North Carolina—Greensboro (WBIG). Days Pennsylvania—Allentown (WCBA). Pennsylvania—Allentown (WCBA). Texas—Houston (KXYZ). Wyoming—Casper (KDFN). 1,450 KH.OCYCLES Georgia—Athens (WTFI). Louisiana—Shreveport (KTBS). Massachusetts—Fall River (WSAR). New Jersey—Jersey City (WHOM). New Jersey—Jersey City (WHOM). New Jersey—Hackensack (WBAS). New Jersey—Hackensack (WBMS). New Jersey—Hackensack (WSAR). New Jersey—Hackensack (WBMS). New Jersey—Hackensack (WSAR). Days Nights 1,450 KH.OCYCLES Minnesota—St. Paul (KSTP). Days Nights J	1,000 500 500 500 1,000 500 1,000 500 1,000 500 1,000 500 1,000 500 1,00	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNO Toronto, Ont. CKOC Hamilton, Ont. CKPR Fort William, Ont. CKUA Edmonton, Alta. CKWX Vancouver, B. C. CKY Erandon, Man. CKY Erandon, Man. CKY Erandon, Man. CKY Winnipeg, Man. CRCA Winnipeg, Man. CRCA Winnipeg, Man. CRCO Ottawa, Ont. CRCO Ottawa, Ont. CRCO Ottawa, Ont. CRCO CANAN	5,000 500 100 500 100 500 100 500 100 500 100 500 5	840 ,010 ,010 540 730 ,030 ,010 780 580 ,010 930 910 910 780 580 880 ,100	GUATEMALA Guatemala City HONDURAS San Pedro Sula Tegucijajpa SALVADOR	TIGA TICR TICR IEA TIEP TIFB TIGP TISO TITR TITY TIVL TIVL TIVA TGW JRL HRB	7.5 30 15 30 7.5 7.5 30 75 50 75 7.5 250 7.5 250	1,441 1,014 1,014 833 1,450 606 600 1,333 999 860 614 1,320 1,350 1,370
Illinois—Peoria (WMBD) Days Illinois—Quiney (WTAD) Nights New York—Albany (WOKO) New York—Rechester (WHEC) North Carolina—Greensboro (WBIG) Days Pennsylvania—Allentown (WCBA) Pennsylvania—Allentown (WCBA) Pennsylvania—Allentown (WSAN) Texas—Houston (KXYZ) Wyoming—Casper (KDFN) 1,459 KILOCYCLES Georgia—Athens (WTF) Louisiana—Shreveport (KTBS) Maesachusetts—Fall River (WSAR) New Jersey—Jersey City (WHOM) New Jersey—Jersey City (WHOM) New Jersey—Newark (WSJ) Ohio—Cleveland (WGAR) 1,450 KILOCYCLES Minnesota—St. Paul (KSTP) Virginia—Alexandria (WJSV) 1,470 KILOCYCLES	1,000 500 500 500 1,000 500 1,000 500 1 1,000 500 1 1,000 1 1,	CKIC Wollville, N. S. CKLW Windsor, Ont. Vancouver, B. C. CKNC Toronte, Ont. CKPR Hamilton, Ont. CKPR Fort William, Ont. CKVA Edmonton, Alta. Vancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CRCY Winnipeg, Man. CRCO Ottawa, Ont. CRCV Vancouver, B. C.  Canadian State  [Arranged according to 540 KILOCYCLES Ontario—Windsor (CKLW).  Alberta—Edmonton (CKIA).	5,000 500 1 500 1 500 1 500 1 100 500 1 100 500 100 500 500 500 500 500 500 500 1	840 ,010 ,540 ,730 ,030 ,010 ,780 ,010 ,930 ,910 ,910 ,910 ,910 ,100 ,100 ,100 ,10	GUATEMALA Guatemala City HONDURAS San Pedro Sula Tegucigalpa SALVADOR Salvador CC-19 br  AGUASCALIENTES Aguascalientes W-11 bc	TIGA TICR TICR IEA TIEP TIFB TIGP TISO TITR TITY TIVL TIVL TIVA TGW JRL HRB	7.5 30 15 30 7.5 7.5 30 75 50 75 7.5 250 7.5 250	1,441 1,014 1,014 833 1,450 606 600 1,333 999 860 614 1,320 1,350 1,370
Illinois—Peoria (WMBD)	1,000 500 500 500 500 1,000 250 250 250 1,000 250 1,000 1,000 250 1,000	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNO Toronto, Ont. CKOC Hamilton, Ont. CKPR Fort William, Ont. CKUA Edmonton, Alta. Vancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CARS Saskatoon, Sask. CARW Winnipeg, Man. CRCA Moncton, N. B. CRCO Ottawa, Ont. CRCV Vancouver, B. C.  Canadian Stat  [Arranged according to 540 KILOCYCLES Ontario—Windsor (CKLW). 580 KILOCYCLES Alberta—Edmonton (CKUA). New Brunswick—Moncton (CRCA). New Brunswick—Moncton (CRCA).	5,000 500 100 500 100 500 1100 500 100 500 100 500 5	840 ,010 ,010 ,730 ,030 ,030 ,010 ,780 ,580 ,910 ,910 ,910 ,780 ,580 ,580 ,100 ,100 ,100 ,100 ,100 ,100 ,100 ,1	GUATEMALA Guatemala City HONDURAS SAN Pedro Sula Tegucigalpa SALVADOR Salvador CC-19 br  AGUASCALIENTES Aguascalientes W-11 bc BAJA CALIFORNIA Mexicali O-4 tc	TIGA TICA TICA TICA TICA TICA TICA TICA TIC	7.5 30 15 30 7.5 7.5 30 75 7.5 7.5 30 7.5 250 7.5 250 50 50 50 7.5 250 7.5 250 7.5	1,441 1,014 882 1,180 833 1,450 714 608 600 1,333 999 860 614 1,320 1,350 1,370 664
Illinois—Peoria (WMBD). Days Illinois—Quiney (WTAD). Nights New York—Albany (WOKO). New York—Rechester (WHEC). North Carolina—Greensboro (WBIG). Days Pennsylvania—Allentown (WCBA). Pennsylvania—Allentown (WCBA). Texas—Houston (KXYZ). Wyoming—Casper (KDFN). 1,459 KILOCYCLES Georgia—Athens (WTF). Louisiana—Shreveport (KTBS). Maesachusetts—Fall River (WSAR). New Jersey—Jersey City (WHOM). New Jersey—Jersey City (WHOM). New Jersey—Hackensack (WBMS). New Jersey—Newark (WNJ). Ohio—Cleveland (WGAR). Days Nights 1,450 KILOCYCLES Minnesota—St. Paul (KSTP). Days Nights Virginia—Alexandria (WJSV). 1,470 KILOCYCLES Tennessee—Nashville (WLAC). Washington—Spokane (KGA).	1,000 500 500 500 500 1,000 500 1,000 500 1,000 500 500 1,000 500 1,000 500 500 500 500 500 500 500	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNMO Tancouver, B. C. CKNC Toronto, Ont. CKPR Edmenton, Alta. CKWX Vancouver, B. C. CKX Etamonton, Alta. CKWX Vancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CRAS Saskatoon, Sask. CARW Winnipeg, Man. CRCO Ottawa, Ont. Vancouver, B. C. Canadian State  [Arranged according to 540 KILOCYCLES Ontario—Windsor (CKLW). S80 KILOCYCLES Alberta—Edmonton (CKUA). New Brunswick—Moneton (CRCA). Ontario—Toronto (CKCL). S00 KILOCYCLES Ouebee—Montreal (CFCF).	5,000 500 100 500 100 500 100 500 100 500 100 500 5	840 ,010 540 730 ,030 ,010 780 ,010 930 910 910 910 910 580 880 ,,100 5,000	GUATEMALA Guatemala City HONDURAS San Pedro Sula Tegucigalpa SALVADOR Salvador CC-19 br  AGUASCALIENTES Aguascalientes W-11 be BAJA CALIFORNIA Mexicali 0-4 te Tiajuana N-3 be	TIGA TICR TICR TEA TICR TICR TICR TICR TICR TISO TITR TITR TITR TITR TITR TITR TITR TIT	7.5 30 15 30 7.5 7.5 7.5 7.5 7.5 7.5 250 7.5 250 500	I,441 1,014 882 1,180 714 666 600 1,333 999 860 614 1,320 1,350 1,370 664
Illinois—Peoria (WMBD). Days Illinois—Quiney (WTAD). Nights New York—Albany (WOKO). New York—Albany (WOKO). New York—Rochester (WHEC). North Carolina—Greensboro (WBIG). Days Pennsylvania—Allentown (WCBA). Pennsylvania—Allentown (WCBA). Texas—Houston (KXYZ). Wyoming—Casper (KDFN). 1,450 KH.OCYCLES Georgia—Athens (WTFI). Louissana—Shreveport (KTBS). Massachusetts—Fall River (WSAR). New Jersey—Jersey City (WHOM). New Jersey—Jersey City (WHOM). New Jersey—Hackensack (WBMS). Nights 1,450 KH.OCYCLES Tennesses—Nashville (WLAC). Washington—Spokane (KGA). 1,480 KH.OCYCLES New York—Buffalo (WKBW). Oklahoma—Oklahoma City (KOMA).	1,000 500 500 500 500 1,000 500 1,000 500 1,000 500 1,000 500 1,00	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNO Toronte, Ont. CKOC Hamilton, Ont. CKPR Fort William, Ont. CKVA Edmonton, Alta. CKWA Pancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CKRW Winnipeg, Man. CKRW Winnipeg, Man. CRCV Ottawa, Ont. CRCV Vancouver, B. C.  Canadian Stat  [Arranged according to 540 KILOCYCLES Ontario—Windsor (CKLW) Ontario—Windsor (CKLW) New Brunswick—Moneton (CRCA). Ontario—Toronto (CKCL). New Brunswick—Moneton (CRCA). Ontario—Toronto (CKCL). S30 KILOCYCLES Quebee—Montreal (CFCF). S30 KILOCYCLES	5,000 500 1 5,000 100 500 1 500 1 100 500 100 1 500 500 5,000	840 ,010 540 730 ,030 ,010 580 ,010 910 910 910 780 580 880 ,100 580 580 580 580 500 500 500	GUATEMALA Guatemala City HONDURAS San Pedro Sula Tegucigalpa SALVADOR Salvador CC-19 br  AGUASCALIENTES Aguascalientes W-11 bc BAJA CALIFORNIA Mexicali O-4 tc Tiajuana N-3 bc CHIHUAHUA	TIGA TICA TICA TICA TICA TICA TICA TICA TIC	7.5 30 15 30 7.5 7.5 7.5 7.5 7.5 7.5 250 7.5 2.300 500	1,441 1,014 882 1,180 833 1,450 606 600 1,333 999 614 1,329 1,350 1,370 664 805 560 805 805
Illinois—Peoria (WMBD)	1,000 500 500 500 500 1,000 500 1,000 500 1,000 500 500 1,000 500 500 500 500 500 500 500	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNO Toronto, Ont. CKOC Hamilton, Ont. CKPR Fort William, Ont. CKUA Edmonton, Alta. Vancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CRRW Winnipeg, Man. CRRW Winnipeg, Man. CRCA Moncton, N. B. CRCO Ottawa, Ont. CRCV Vancouver, B. C.  Canadian Stat  [Arranged according to 540 KILOCYCLES Ontario—Windsor (CKLW). 580 KILOCYCLES Ontario—Toronto (CKCL). 600 KILOCYCLES Quebec—Montreal (CFCF). 638 KILOCYCLES Prince Ed. Is.—Charlottetown (CFCY) Saskatchewan—Yorkton (CJCX).	5,000 500 100 500 100 500 100 500 100 500 100 500 5	840 ,010 5540 730 ,030 ,010 780 580 ,010 930 930 930 930 930 930 930 940 9580 580 580 500 500 500	GUATEMALA Guatemala City HONDURAS San Pedro Sula Tegucigalpa SALVADOR Salvador CC-19 br  AGUASCALIENTES Aguascalientes W-11 bc BAJA CALIFORNIA Mexicali 0-4 tc Tiajuana N-3 bc CHIHUAHUA Chihuahua R-9	TIGA TIGA TICE TICE IEA TIEP TIFB TIGP TISO TITY TIVI TIVA TGW JRL HRB RUS Mexico XFC XEAO XEFD XEFI XFF	7.5 30 15 30 7.5 7.5 7.5 7.5 7.5 7.5 250 7.5 2.300 500	1,441 1,014 882 1,180 833 1,450 606 600 1,333 999 614 1,320 1,370 664 805 560 855
Illinois—Peoria (WMBD).  Days Illinois—Quiney (WTAD). New York—Albany (WOKO). New York—Rochester (WHEC). North Carolina—Greensboro (WBIG).  Pennsylvania—Allentown (WCBA). Pennsylvania—Allentown (WCBA). Pennsylvania—Allentown (WSAN). Texas—Houston (KXYZ). Wyoming—Casper (KDFN). 1,450 KHLOCYCLES  Georgia—Athens (WTFI). Louisiania—Shreveport (KTBS). Massachusetts—Fall River (WSAR). New Jersey—Jersey City (WHOM). New Jersey—Jersey City (WHOM). New Jersey—Hackenack (WBAS). New Jersey—Newark (WNJ). Ohio—Cleveland (WGAR). New Jersey—Newark (WNJ). Ohio—Cleveland (WGAR).  1,480 KHLOCYCLES  Minnesota—St. Paul (KSTP). Days Nights  Virginia—Alexandria (WJSV). 1,470 KILOCYCLES  Tennesses—Nashville (WLAC). Washington—Spokane (KGA). 1,480 KILOCYCLES  New York—Buffalo (WKBW). Oklahoma—Oklahoma City (KOMA). 1,490 KILOCYCLES  Kentucky—Covington (WCKY). 1,500 KILOCYCLES	1,000 500 500 500 500 1,000 500 1,000 500 1,000 500 500 500 500 500 500 500	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNO Toronto, Ont. CKOC Hamilton, Ont. CKPR Fort William, Ont. CKUA Edmonton, Alta. CKWX Vancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CRAS Saskatoon, Sask. CARW Winnipeg, Man. CRCO Ottawa, Ont. Vancouver, B. C. Canadian State  [Arranged according to 540 KILOCYCLES Ontario—Windsor (CKLW). S80 KILOCYCLES Alberta—Edmonton (CKUA). New Brunswick—Moneton (CRCA). Ontario—Toronto (CKCL). S00 KILOCYCLES Quebec—Montreal (CFCF). S30 KILOCYCLES Prince Ed. Is.—Charlottetown (CFCY). S48 KILOCYCLES Prince Ed. Is.—Charlottetown (CFCY). S48 KILOCYCLES Ontario—Waterioc (CKCR). Ontario—Waterioc (CKCR).	5,000 500 100 500 100 500 100 500 100 500 100 500 5	840,010 540,730 0030 0030 0030 0010 580 0010 580 0010 580 0010 580 0010 580 0010 580 0010 580 0010 580 0010 580 0010 580 0010 580 580 580 580 580 580 580 580 580 58	GUATEMALA Guatemala City HONDURAS San Pedro Sula Tegucigalpa SALVADOR Salvador CC-19 br  AGUASCALIENTES Aguascalientes W-11 bc BAJA CALIFORNIA Mexicali O-4 tc Tiajuana N-3 bc CHIHUAHUA	TIGA TIGA TIC TICR IEA TIEP TIFB TISO TITR TITV TIVL TIVA TGW JRL HRB RUS Mexico XFC XEAO XEFD XEFI XEAN XEFV	7.5 30 15 30 7.5 7.5 30 7.5 7.5 7.5 30 7.5 250 500 500	1,441 1,014 882 1,180 833 1,450 714 606 600 1,333 999 860 614 1,320 1,350 1,370 664 805
Illinois—Peoria (WMBD) Days Illinois—Quiney (WTAD) Nights New York—Albany (WOKO) New York—Albany (WOKO) New York—Rochester (WHEC) North Carolina—Greensboro (WBIG) Days Pennsylvania—Allentown (WCBA) Pennsylvania—Allentown (WCBA) Texas—Houston (KXYZ) Wyoming—Casper (KDFN) 1,459 KH.OCYCLES Georgia—Athens (WTFI) Louisiana—Shreveport (KTBS) Massachusetts—Fall River (WSAR) New Jersey—Jersey City (WHOM) New Jersey—Jersey City (WHOM) New Jersey—Hackensack (WBMS) New Jersey—Hackensack (WGMS) Nights 1,450 KHLOCYCLES Tennesses—Nashville (WLAC) Washington—Spokane (KGA) 1,480 KHLOCYCLES Tennesses—Nashville (WLAC) Washington—Spokane (KGA) 1,490 KHLOCYCLES Kentucky—Covington (WCKY) 1,500 KHLOCYCLES Arizona—Prescott (KPJM) California—El Centro (KXO)	1,000 500 500 500 500 1,000 500 1,000 500 1,000 500 500 1,000 500 1,000 500 1,000 500 1,0	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNO Toronto, Ont. CKOC Hamilton, Ont. CKPR Fort William, Ont. CKUA Edmonton, Alta. CKWX Vancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CRRS Saskatoon, Sask. CARW Winnipeg, Man. CRCO Ottawa, Ont. CRCO Ottawa, Ont. CRCO Ottawa, Ont. CRCO Ottawa, Ont. CRCO CKLW) S80 KILOCYCLES Alberta—Edmonton (CKUA). New Brunswick—Moneton (CRCA). Ontario—Toronto (CKCL). S90 KILOCYCLES Prince Ed. Is.—Charlotterown (CFCY) Saskatchewan—Yorkton (CJGX). S45 KILOCYCLES Ontario—Waterioc (CKCR). Quebee—Quebee (CHRC). S90 KILOCYCLES	5,000 500 100 500 100 500 100 500 100 500 100 500 5	840,010 540,730 030 030 030 030 010 580 010 930 910 930 910 780 580 580 400 500 500 500 500	GUATEMALA Guatemala City HONDURAS San Pedro Sula Tegucigalpa SALVADOR Salvador CC-19 br  AGUASCALIENTES Aguascalientes W-11 bc BAJA CALIFORNIA Mexicali 0-4 tc Tiajuana N-3 bc CHIHUAHUA Chihuahua R-9	TIGA TICA TICA TICA TICA TICA TICA TICA TIC	7.5 30 15 30 7.5 7.5 7.5 7.5 7.5 250 7.5 2,300 500	1,441 1,014 882 1,180 833 1,450 606 600 614 1,333 989 960 614 1,320 1,370 664 805 560 855
Illinois—Peoria (WMBD) Days Illinois—Quiney (WTAD) Nights New York—Albany (WOKO) New York—Albany (WOKO) New York—Rochester (WHEC) North Carolina—Greensboro (WBIG) Days Pennsylvania—Allentown (WCBA) Pennsylvania—Allentown (WSAN) Texas—Houston (KXYZ) Wyoming—Casper (KDFN) 1,459 KH.OCYCLES Georgia—Athens (WTFI) Louisiana—Shreveport (KTBS) Massachusetts—Fall River (WSAR) New Jersey—Jersey City (WHOM) New Jersey—Hackensack (WBMS) New Jersey—Hackensack (WGMS) Nights 1,480 KILOCYCLES Minnesota—St. Paul (KSTP) Days Nights 1,470 KILOCYCLES Tennessee—Nashville (WLAC) Washington—Spokane (KGA) 1,480 KILOCYCLES New York—Buffalo (WEBW) Oklahoma—Oklahoma City (KOMA) 1,490 KILOCYCLES Kentucky—Covington (WCKY) 1,500 KILOCYCLES Arizona—Prescott (KPJM) California—Santa Ana (KREG) California—Santa Ana (KREG) California—Santa Barbara (KDB)	1,000 500 500 500 500 1,000 250 250 250 1,000 250 1,000 250 1,000	CKIC Wollville, N. S. CKLW Windsor, Ont. CKMO CKMO CKMC Toronto, Ont. CKOC Hamilton, Ont. CKPB Fort William, Ont. CKWA Edmonton, Alta. CKWX Vancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. Saskatoon, Sask. CKRW Winnipeg, Man. CRCW Vancouver, B. C.  CCAC CARW Winnipeg, Man. CRCW Vancouver, B. C.  CARGO Ottawa, Ont. CRCV Vancouver, B. C.  CAGGO Ottawa, Ont. CRCV Vancouver, CCCLW). S80 KILOCYCLES Alberta—Edmonton (CKUA). Ontario—Toronto (CKUA). S80 KILOCYCLES Prince Ed. Is.—Charlottefown (CFCY) Saskatchewan—Yorkton (CAGX). CRCV Ontario—Waterloo (CKCR). Quebee—Quebee (CHRC). S80 KILOCYCLES Ontario—Waterloo (CKCR). S80 KILOCYCLES Ontario—Waterloo (CKCR). S80 KILOCYCLES Alberta—Calegary (CFC).  S80 KILOCYCLES	5,000 500 100 500 1100 500 1100 500 100 500 5	840,010 730,010 730,030 9030,010 7780 580,010 990 9910 910 910 910 580 580 580 580 500 500 500 50	GUATEMALA Guatemala City HONDURAS San Pedro Sula Tegucigalpa SALVADOR Salvador CC-19 br  AGUASCALIENTES Aguascalientes W-11 bc BAJA CALIFORNIA Mexicali O-4 tc Tiajuana N-3 bc CHIHUAHUA Chihuahua R-9 Juarez P-9  COAHUILA Piedras Negras S-12tr	TIGA TIGA TICA TICA TICA TICA TICA TICA TICA TIC	7.5 30 15 30 7.5 7.5 7.5 7.5 7.5 250 7.5 2.300 500	1,441 1,014 882 1,180 833 1,450 606 600 1,333 999 614 1,329 1,370 664 805 560 1,370 664
Illinois—Peoria (WMBD) Days Illinois—Quiney (WTAD) Nights New York—Albany (WOKO) New York—Rochester (WHEC) North Carolina—Greensboro (WBIG) Days Pennsylvania—Allentown (WCBA) Nights Pennsylvania—Allentown (WCBA) Pennsylvania—Allentown (WSAN) Texas—Houston (KXYZ) Wyoming—Casper (KDFN) 1,459 KHLOCYCLES Georgia—Athens (WTFI) Louisiana—Shreveport (KTBS) Massachusetts—Fall River (WSAR) New Jersey—Jersey City (WHOM) New Jersey—Jersey City (WHOM) New Jersey—Hackenack (WBMS) New Jersey—Newark (WNJ) Ohio—Cleveland (WGAR) Days Virginia—Alexandria (WJSV) Virginia—Alexandria (WJSV) 1,470 KILOCYCLES Tennesses—Nashville (WLAC) Washington—Spokane (KGA) 1,480 KILOCYCLES New York—Buffalo (WKBW) Oklahoma—Oklahoma City (KOMA) 1,490 KILOCYCLES Kentucky—Covington (WCKY) 1,500 KILOCYCLES Arizona—Prescott (KPJM) California—Santa Ana (KREG) California—Santa Ana (KREG) California—Santa Barbara (KDB) Georgia—Augusta (WDDW)	1,000 500 500 500 500 1,000 500 1,000 500 1,000 500 500 1,000 500 1,000	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNMO CKNMO CKNMC Toronto, Ont. CKOC CHME Toronto, Ont. CKPR Fort William, Ont. CKUA Edmonton, Alta. CKWX Vancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CRRS Saskatoon, Sask. CRRW Winnipeg, Man. CRCA Moncton, N. B. Ottawa, Ont. CRCV Vancouver, B. C.  Canadian State  [Arranged according to 540 KILOCYCLES Ontario—Windsor (CKLW). 580 KILOCYCLES Alberta—Edmonton (CRCA). Ontario—Toronto (CKCL). GOO KILOCYCLES Ontario—Waterloo (CFCP). Saskatchewan—Yorkton (CGCX). Ontario—Waterloo (CHCR). Ontario—Waterloo (CHCR). Quebee—Quebee (CHRC). 690 KILOCYCLES Ontario—Waterloo (CHCR). Ontario—Waterloo (CFCP). S45 KILOCYCLES Ontario—Waterloo (CHCR). Ontario—Waterloo (CHCR). Ontario—Waterloo (CHCR). Ontario—Toronto (CHCR).	5,000 500 100 500 1100 500 1100 500 100 500 100 500 5	840,010 540,730 030 030 030 030 030 010 580 930 910 930 910 780 580 580 580 500 400 500 500 500 500 500 500	GUATEMALA Guatemala City HONDURAS San Pedre Sula Tegucigalpa SALVADOR Salvador CC-19 br  AGUASCALIENTES Aguascalientes W-11 be BAJA CALIFORNIA Mexicali 0-4 te Tiajuana N-3 be CHIHUAHUA Chihuahua R-9 Juarex P-9  COAHUILA Piedras Negras S-12tr Saltillo, Coah. U-12 Torreon U-11 ti	TIGA TIGA TIC TITICR IEA TIEP TIFB TISO TITR TITV TIVL TIVA TGW JRL HRB RUS Mexico XFC XEAO XEFD XEFT XEAN XEFY XEFY XEAN XEFY XEFY XEAN XEFY XEFY XEFY XEFY XEFY XEFY XEFY XEFY	7.5 30 15 30 7.5 7.5 7.5 7.5 7.5 7.5 7.5 250 7.5 2,300 500  350 7.5 2,500 100 100 100 105 100 125	1,441 1,014 882 1,180 833 1,450 606 600 1,333 999 614 1,320 1,370 664 805 560 855 1,000 915 750 1,015 1,015
Illinois—Peoria (WMBD) Days Illinois—Quiney (WTAD) Nights New York—Alchany (WOKO) New York—Rochester (WHEC) North Carolina—Greensboro (WBIG) Days Pennsylvania—Allentown (WCBA) Pennsylvania—Allentown (WSAN) Texas—Houston (KXYZ) Wyoming—Casper (KDFN) 1,450 KILOCYCLES Georgia—Athens (WTFI) Louisana—Shreveport (KTBS) Massachusetts—Fall River (WSAR) New Jersey—Jersey City (WHOM) New Jersey—Jersey City (WHOM) New Jersey—Hackensack (WBMS) Nights 1,450 KILOCYCLES Minnesota—St. Paul (KSTP) Days Nights 1,470 KILOCYCLES New York—Buffalo (WKBW) Oklahoma—Oklahoma City (KOMA) 1,490 KILOCYCLES Kentucky—Covington (WCKY) 1,500 KILOCYCLES Kentucky—Covington (WCKY) 1,500 KILOCYCLES California—El Centro (KXO) California—Santa Barbara (KDB) Georgia—Augusta (WRDW) Georgia—Augusta (WRDW)	1,000 500 500 500 1,000 500 1,000 500 1,000 250 1,000	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNO Toronto, Ont. CKOC Hamilton, Ont. CKPR Fort William, Ont. CKUA Edmonton, Alta. CKWX Vancouver, B. C. CKX Erandon, Man. CKWX Winnipeg, Man. CRAS Saskatoon, Sask. CARW Winnipeg, Man. CRCO Ottawa, Ont. C	5,000 500 100 500 100 500 100 500 100 500 100 500 5	840,010 540,730 030 030 030 030 030 040 550 550 550 550 550 550 550 550 55	GUATEMALA SALVADOR SA	TIGA TIGA TIC TICR IEA IEA IEA IEA IIEA TIEP TIFB TISO TITR TISO TITV TIVL TIVA TOW JRL HRB RUS Mexico XFC XEAO XEFD XEFI XEAN XEFV XEJ XEPN XEL XETB XER-XEF	7.5 30 15 30 7.5 7.5 30 7.5 7.5 30 7.5 250 7.5 250 500 100 250 500 100 500 100,000 100,000 100,000 101,25 75,000	1,441 1,014 882 1,180 883 1,450 714 666 600 1,333 999 860 614 1,320 1,350 1,370 664 805 560 855 1,000 915 737 1,015 585 580 1,370 1,015
Illinois—Peoria (WMBD) Days Illinois—Quiney (WTAD) Nights New York—Albany (WOKO) New York—Rochester (WHEC) North Carolina—Greensboro (WBIG) Days Pennsylvania—Allentown (WCBA) Nights Pennsylvania—Allentown (WCBA) Pennsylvania—Allentown (WSAN) Texas—Houston (KXYZ) Wyoming—Casper (KDFN) 1,459 KHLOCYCLES Georgia—Athens (WTFI) Louisiana—Shreveport (KTBS) Massachusetts—Fall River (WSAR) New Jersey—Jersey City (WHOM) New Jersey—Jersey City (WHOM) New Jersey—Hackenack (WBMS) New Jersey—Newark (WNJ) Ohio—Cleveland (WGAR) Days Virginia—Alexandria (WJSV) Virginia—Alexandria (WJSV) 1,470 KILOCYCLES Tennesses—Nashville (WLAC) Washington—Spokane (KGA) 1,480 KILOCYCLES New York—Buffalo (WKBW) Oklahoma—Oklahoma City (KOMA) 1,490 KILOCYCLES Kentucky—Covington (WCKY) 1,500 KILOCYCLES Arizona—Prescott (KPJM) California—Santa Ana (KREG) California—Santa Ana (KREG) California—Santa Barbara (KDB) Georgia—Augusta (WDDW)	1,000 500 500 500 1,000 500 1,000 500 1,000 250 1,000	CKIC Wollville, N. S. CKLW Windsor, Ont. CKNMO CKNMO CKNMC Toronto, Ont. CKOC CHME Toronto, Ont. CKPR Fort William, Ont. CKUA Edmonton, Alta. CKWX Vancouver, B. C. CKX Erandon, Man. CKY Winnipeg, Man. CRRS Saskatoon, Sask. CRRW Winnipeg, Man. CRCA Moncton, N. B. Ottawa, Ont. CRCV Vancouver, B. C.  Canadian State  [Arranged according to 540 KILOCYCLES Ontario—Windsor (CKLW). 580 KILOCYCLES Alberta—Edmonton (CRCA). Ontario—Toronto (CKCL). GOO KILOCYCLES Ontario—Waterloo (CFCP). Saskatchewan—Yorkton (CGCX). Ontario—Waterloo (CHCR). Ontario—Waterloo (CHCR). Quebee—Quebee (CHRC). 690 KILOCYCLES Ontario—Waterloo (CHCR). Ontario—Waterloo (CFCP). S45 KILOCYCLES Ontario—Waterloo (CHCR). Ontario—Waterloo (CHCR). Ontario—Waterloo (CHCR). Ontario—Toronto (CHCR).	5,000 500 100 500 100 500 100 500 100 500 100 500 5	840,010 540,730 030,010 730,030 0,010 730,010 930 910 930 910 930 910 780 580 580 500 400 500 500 500 500 500 500 500 50	GUATEMALA Guatemala City HONDURAS San Pedro Sula Tegucigalpa SALVADOR Salvador CC-19 br  AGUASCALIENTES Aguascalientes W-11 be BAJA CALIFORNIA Mexicali O-4 tc Tiajuana N-3 bc CHIHUAHUA Chihuahua R-9 Juarex P-9  COAHUILA Piedras Negras S-12tr Saltillo, Coah. U-12 Torreon U-11 tl Villa Acuna R-12 c	TIGA TIGA TIC TITICR IEA TIEP TIFB TISO TITR TITV TIVL TIVA TGW JRL HRB RUS Mexico XFC XEAO XEFD XEFT XEAN XEFY XEFY XEAN XEFY XEFY XEAN XEFY XEFY XEFY XEFY XEFY XEFY XEFY XEFY	7.5 30 15 30 7.5 7.5 7.5 7.5 7.5 7.5 7.5 250 7.5 2,300 500  350 7.5 2,500 100 100 100 105 100 125	1,441 1,014 882 1,180 833 1,450 606 600 1,333 999 614 1,320 1,370 664 805 560 855 1,000 915 750 1,015 1,015

Mexico City Y-13	XEAD	250 100	875 1,090	2,342 3,076	W7XAW W9XL	Seattle, Wash. Chicago, Ill.	8,650 8,650	VE9BY W8XAG	London, Ontario Dayton, Ohio
	XEB	10,000 500	1,030 1,250	3,124	WOO PK2AG	Deal, N. J. Samarang, Java	8,650 8,650	W2XV W3XE	Long Island City, N. Y. Baltimore, Md.
	XEG	500 100	1,075	3,256 3,560	W9XL OZ7RL	Chicago, III. Copenhagen, Denmark	8,650 8,690	W2XCU W2XAC	Ampere, N. J. Schenectady, N. Y.
	XEN	1,000 5,000	711 940	3,620 3,750	DOA 13RO	Doeberitz, Germany	8,810	WSBN	S. S. Leviathan
	XEP	1,000	780	3,750	F8KR	Rome, Italy Constantine Tunis, Africa	8,872 8,872	NAA NPO	Arlington, Va. Cavite, Manila, P. I.
	XETA	1,000	1,140 610	4,105 4,116	NAA WOO	Arlington, Va. Deal, N. J.	8,928 9,010	TG X GBS	Guatemala City, C. A. Rugby, England
	XETW	5,000	830 910	4,273 4,430	RV15 DOA	Khabarovsk, Siberia Doeberitz, Germany	9,200 9,230	GBS FLJ	Rugby, England Paris, France
	XEX	500 2,000	1,210 638	4,700	WIXAB	Portland, Me.	9,250	GBK	Bodmin, England
	XFI	1,000	818	4,750 4,760	Radio LL	Ocean Gate, N. J. Paris, France	9,300 9,310	CNR GBC	Robat, Morocco Rugby, England
	XFO XFX	5,000 500	940 860	4,770 4,795	ZL2XX VE9BY	Wellington, New Zealand London, Ontario	9,330	CG A EH90C	Drummondville, Canada Berne, Switzerland
Toluca Y-12 HIDALGO	XEC	50	1,000	4,795 4,795	W9XL W3XZ	Chicago, III. Washington, D. C.	9,510 9,510	VK3ME GSB	Melbourne, Australia Daventry, England
Pachuca Y-13 rc JALISCO	XETU	100	890	4,795	WSXAM	Elgin, III.	9,520	OXY	Skamleboek, Denmark
Guadalajara, Ja. X-10	XEA	100	1,000	4,975 5,145	OK1MPT	Long Island City, N. Y. Prague Czechoslovakia	9,530	W2XAF DJA	Schenectady, N. Y. Konigswusterhausen, Germa
MICHOACAN	XED	500	1,155	5,170 5,170	PMB PMY	Sourabaya, Java Bandoeng, Java	9,570 9,570	WIXAZ	Poznan, Poland Springfield, Mass.
Morelia, Mich. Y-12 NUEVO LEON	XEI ]	125	1,310	5,170 5,550	OK1MPT W8XJ	Prague, Czechoslovakia Columbus, Ohio	9,580 9,585	W3XAU GSC	Philadelphia, Pa. Daventry, England
Monterrey, N. L. U-13	XEFB	100	1,315	5,710	VESCL	Winnipeg, Canada	9,590	VK2ME	Sydney, Australia
	XEH	100 250	1,132	5,714 5,835	HCJB	Quito, Ecuador Barranquilla, Colombia	9,595	LGN	Geneva, Switzerland Bergen, Norway
PUEBLA	XET	500	690	5,857	XDA HKO	Mexico City, Mexico Medellin, Columbia	9,600	CTIAA	Buenos Aires, Argentina Lisbon, Portugal
Puebla Z-13 QUERETARO	XETH	100	840	5,970 6,000	HVJ RV59	Vatican City, Italy Moscow, Russia	9,640 9,675	HSP2 T14NRH	Bangkok, Siam Heredia, Costa Rica
Queretare X-12 br	XEFS	40	1,000	6,000	FIQA	Tananarive, Madagascar	9,700	WMI	Deal, N. J.
San Luis Potosi W-12 bc	XEAC	100	1,295	6,000	EAJ25 ZGE	Barcelona, Spain Kuala Lumpur, Malay States	9,750 9,790	GBW	Deal, N. J. Rugby, England
Matamoros U-14 tr	XEM	500,000	660	6,005	VE9CU VE9DR	Calgary, Canada Drummondville, Quebec	9,860 9,890	EAQ LSA	Madrid, Spain Buenos Aires, Argentina
N. Laredo S-13	XETM	150,000	845	6,020	DJC	Zeesen, Germany	9,890	LSN	Buenes Aires, Argentina
M. Carous 5-15	XEFE	100	1,450 1,000	6,023	XEW VESCA	Mexico City, Mexico Calgary, Alberta	9,950 10,000	GBU	Rugby, England Belgrade, Jugo-Slavia
Reynosa, Tams. T-14	XENT	150,000	1.115 965	6,040	WIXAL W4XB	Boston, Mass. Miami Beach, Fla.	10,150 10,250	DIS TI4NRH	Nauen, Germany Heredia, Costa Rica
Tampico, Tams, W-14	XEFW	70 250	1,240 1,055	6,040	PK3AN VE9CF	Sourabaya, Java Halifax, Nova Scotia	10,350 10,390	LSX	Buenos Aires, Argentina Rugby, England
VERA CRUZ				6,050	GSA	Daventry, England	10,410	LSY	Buenes Aires, Argentina
Jalapa Y-14 Vera Cruz, Ver. Z-14	XFB	500 500	1,290 630	6,060	CMCI	Byberry, Pa. Havana, Cuba	10,410 10,410	PDK	Bolinas, Calif. Kootwijk, Holland
YUCATAN	XEU	100	1,010	6,060	V Q7LO ZL2Z X	Nairobi, Kenya, Africa Wellington, N. Z.	10,540 10,540	VLK WLO	Sydney, Australia Lawrence, N. J.
Merida, Yuc. X-19	XEFC	10 105	1,020 546.8	6,060	W8XAL SAJ	Cincinnati, Ohio	10,630	PLR	Bandoeng, Java
	Alekson	100	940.0	6,069	JB	Notala, Sweden Johannesburg, South Africa	10,080	CT3AQ	Wellington, N. Z. Funchal, Madeira
0 1 - I - I - W 05	Cuba		400	6,069	VE9CS UOR2	Vancouver, British Columbia Vienna, Austria	11,340 11,435	DAN	Nordeich, Germany Naucn, Germany
Caibarien W-25 Camaguey W-26	CMHD	250 150	950 1,382	6,072 6,075	WSXAA	Skamleboaek, Denmark Chicago, Ill.	11,470 11,490	IBDK	S. S. Elettra Bodmin, England
	CMJE	200	1,175	6,080 6,095	VE9GW W9XF	Bowmanville, Ontario Downers Grove, Ill.	11,530	CGA	Drummondville, Canada
	CMJG CMJK	50 300	1,050 790	6,100	VE9CF	Halifax, Nova Scotia	11,670 11,690	KIO YVQ	Kahuhu, Hawaii Maracay, Venezuela
	CMJL	50	960	6,100	W3XAL	Bound Brook, N. J. Calcutta, India	11,705 11,730	FYA	Paris, France Huizen, Holland
Cardenas W-24	CMJN	50 30	1,240 1,375	6,100	VE9CG YV1BC	Calgary, Alberta Caracas, Venezuela	11,750 11,750	VE9JR GSD	Winnipeg, Canada Daventry, England
Ciego de Avila W-26	CMJH	30 45	1,150 1,335	6,120 6,120	FL W2XE	Eiffel Tower, Paris	11,760	DJD	Zeesen, Germany
Cienfuegos W-25	CMJO	50 40	1,110	6,122	ZTJ	Wayne, N. J. Johann sburg, South Africa	11,760 11,780	XDA VE9DR	Mexico City, Mexico Drummondville, Quebec
W. 77 - W. 1992	CMHL	20	1,125 1,29	6,125 6,140	W8XK W8XK	Halifax, Nova Scotia Saxonburg, Pa.	11,790 11,800	WIXAL VE9GW	Boston, Mass. Bowmanville, Canada
Colon W-24 Cruces	CMGA	100 15	83 1 1,225	6,147 6,167	VE9CL XIF	W. innipeg, Canada Mexico City, Mexico	11,810 11,830	I2RO W2XE	Rome, Italy Wayne, N. J.
Guantanamo X-28 to Havana W-23	CMKJ	1,000	1,300 6£0	6,220	12RO	Rome, Italy Casabianca, Morocco	11,840	W9XAO	Chicago, III.
	CMAY	150 150	965 1,270	6,250 6,243	CN8MC HKD	Barranquilla, Colombia	11,865 11,870	GSE W8XK	Daventry, England East Pittsburgh, Pa.
	CMBD	150	965	6,270 6,335	HKC VE9AP	Bogota, Colombia Drummondville, Canada	11,870 11,880	WOXF	Calcutta, India Chicago, III.
	CMBG	225 150	1,070 1,140	6,382 6,420	HC1DR RV62	Quito, Ecuador Minsk, Russia	11,905 11,945	FYA KKQ	Pontoise, Paris Bolinas, Calif.
	CMBK	15 20	1,485 1,445	6,425	VE9BY W3XL	London, Ontario Bound Brook, N. J.	12,000	FZG	Saigon, Indo-China
	CMBN	150 40	1,185	6,425 6,425	W9XL	Anoka, Minn.	12,045 12,045	NSS	Annapolis, Md. Arlington, Va.
	CMBS	150	1,485 780	6,438 6,515	REN WOO	Moscow, Russia Deal, N. J.	12,150 12,150	FQO, FQE GBS	Ste. Assise, France Rugby, England
	CMBY	150 250	925 1,230	6,660 6,660	TGW HKM	Guatemala City, C. A. Bogota, Colombia	12,250 12,250	PLM GBS	Bandoeng, Java Rugby, England
	CMBZ	150 500	1,010 840	6,660	F8KR WND	Constantine, Algeria	12,250	FTN	Ste. Assise, France
	CMCA	150 150	1,230	6,753 6,840	CFA	Deal, N. J. Drummondville, Canada	12,290 12,780	GBU	Rugby, England Rugby, England
	CMCD	250	1,140	6,860 6,860	Radio Vitus KEL	Paris, France Bolinas, Calif.	12,820 12,850	CNR W9XL	Rabat, Morocco, Africa Anoka, Minn.
	CMCF	250 50	890 1,405	6,875 6,976	F8MC EAR110	Casablanca, Morocco Madrid, Spain	12,850 12,850	W2XCU W2XO	Ampere, N. J. Schenectady, N. Y.
	CMCM	250 15	1,185 1,405	6,990	CTIAA	Lisbon, Portugal	12,880	CNR	Rabat, Morocco, Africa
	CMCN	250 1,000	925	7,020 7,140	EAR125 HKX	Madrid, Spain Bogota, Colombia	13,400 14,150	KKZ	Deal Beach, N. J. Bolinas, Calif.
	CMCR	150	780 1,365	7,195 7,220	VSIAB HB9D	Singapore, S. S. Zurich, Switzerland	14,420 14,480	WNC	Suva, Fiji Islands Deal, N. J.
	CMCW	150 150	630 965	7,230 7,320	DOA ZTJ	Doeberitz, Germany Johannesburg, South Africa	14,480	GBW	Rugby, England
	CMCY	1,000	1,325 1,395	7,444	HBQ	Geneva, Switzerland	14,530 14,620	XDA	Buenos Aires, Argentina Mexico City, Mexico
	CMK	3,150	730	7,460 7,520	CGE	Lyons, France Calgary, Canada	15,000 15,075	CM6XJ T14NRH	Central Tuinucu, Cuba Heredia, Costa Rica
	CMW	500 1,400	630	7,530 7,612	El Prado X26A	Riohamba, Ecuador Nuevo Laredo, Mexico	15,120 15,120	HVJ	Tokio, Japan Vatican City, Italy
Matanzas W-24	CMX	750 30	890 1,205	7,612 7,660	HKF	Bogota, Colombia Ste. Assise, France	15,140	GSF DJB	Daventry, England
	CMGC	30 100	820 987	7,770	PCK	Kootwijk, Holland	15,200 15,210	M8XK	Zeesen, Germany Saxonburg, Pa.
Maran	CMGH	15	1,040	7,770 7,799	FTF	Ste. Assise, France Geneva, Switzerland	15,240 15,270	FYA W2XE	Paris, France Wayne, N. J.
Moron Pinar del Rio W-22	CMJP	7.5	1,360 1,249	7,830 7,880	PDV	Kootwijk, Holland Tokio, Japan	15,300 15,300	WZXAD	Lyngby, Denmark Schenectady, N. Y.
Santa Clara W-25 Santiago X-28	CMHI	30 150	1,030	7,890	VPD	Sava, Fiji Islands	15,490	JIAA	Tokio, Japan
Tuinucu W-25 rc	CMHC	250	790	7,390 8,100	DOA EATH	Doeberitz, Germany Vienna, Austria	15,860 15,950	FTK PLG	Ste. Assise, France Bandoeng, Java
Principal Short	Wave S	tations o	of the	8,120 8,450	PLW PRAG	Bandoeng, Java Porto Alegre, Brzzil	16,060 16,150	MAA	Arlington, Va. Rugby, England
	World		1110	8,550 8,570	WOO RV15	Ocean Gate, N. J. Khabarovsk, Siberia	16,200 16,300	FZR WLO	Saigon, Indo-China
	d by Kilo	cycles		8,630	W2XD0	Ocean Gate, N. J.	16,300	PCL	Lawrence, N. J. Kootwijk, Holland
Kilocycles Call Letters	Location			8,630 8,650	W3XX	Deal, N. J. Washington, D. C.	17,080	GBC	Rugby, England
1,560 WIXAU	Boston, M	ass.		8,650	W4XG	Miami, Florida		(Continue	d on page 17)
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# RE LEDERER ULTRA-VIOLET LAMP

bring to you the mystic healing power of the sun

# YOUTH · HEALTH · BEAUTY ENERGY · STRENGTH · VITALITY

# Ultra-Violet At A Price All Can Afford

The Lederer Ultra-Violet Lamp represents unremitting toil by two generations of Viennese scientists to achieve a reliable source of Vital Ultra-Violet; to place this source in a safe and convenient lamp bulb that requires in itself no regulation. Personal exposure is governed by time and distance from source.

If the benefits of the Lederer Ultra-Violet Lamp could be understood and appreciated by all, no home would be without one. For your good health's sake learn more about Vital Ultra-Violet. Send for free booklet.

# LEDERER ULTRA-VIOLET EQUIPMENT



Type T-30 Transformer—\$10.00





Carrying Case \$6.00



Lederer Reflector-\$2.00

Prices slightly higher west of the Rockies

## Special Installations Easy, Economical!

Parts illustrated can be purchased individually for permanent or semi permanent installations. Bridge lamps or table lamps can be quickly converted into an ultra violet installation with necessary Lederer parts.

Lamp brackets and holders for permanent installations of beauty in bedroom, nursery, bathroom or den can be obtained at low prices. Send for free 16 page booklet on Ultra-Violet and what it can mean to you.

### NATIONAL VITA LITE CORPORATION 400 Madison Avenue, New York, N.

Please send me your sixteen page booklet about Ultra-Violet and Lederer Lamps.

City.....State.....

Once radio's biggest flop. Now he's one of the head guys. Bert, as you know, is at heart a stage man, having gone the rounds of Broadway for a flock of years. He's the cross-eyed, straight haired, goofy talking fellow you've seen in movies. More lately, he's the Chef of Chase and Sanborn's tea program where he mixes some new and some old gags to the tune of George Olsen's sweet music.



ran away from his home in N, Y, when a boy to go to Boston to earn fifty cents in an amateur show. Years later that boy became the first \$5,000 a week headliner in the great theatres of America. Now he's the Armour Jester on NBC. For a time he was secretary to Carl Laemmle in the old IMP Film Company. He'd spend his leisure time in theatres, One night the pianist was ill and Phil jumped into the pit to play for the silent films. From then on it was a steady climb.

AMOS 'N' ANDY

are products of the microphone. In other words they started with radio and not on the stage or movies. Amos is Freenan Gosden and Andy is Charles J. Correll. The former is a native of Virginia. The latter from Peoria. Ill. They've been broadcasting since 1925 from Chicago, where they started "just for fun." One secret of their success is that they're sincere in portraying actual characters, They really believe Brother Crawford is a real person.

MYRT AND MARGE

MYRT AND MARGE

"Myrt" is Myrtle Vail, who writes the scripts of the radio sketch, sold the idea to the sponsor, and plays the lead. She ran away from school at the age of 15 and joined the chorus of a Chicago musical show. Then she entered vaudeville. "Marge" is Donna Damerel and is the daughter of Myrt. She's married herself. She, too, quit school at 15, joining her parents in vaudeville. Then she went "on her own" on the stage. Age 20.



Phil Baker



Myrt and Marge



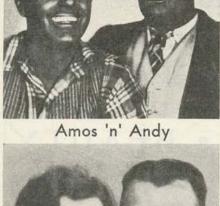
Jack Benny Mary Livingston



Floyd Gibbons

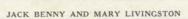








in private life are Mr. and Mrs. Crumit. On the stage and over the air, they've played together, in their own individual style, for years upon years. Yes, they're really old timers at the game. It's not unusual for them to be on both the CBS and the NBC networks, and they commute to their work in Manhattan by motor from their Connecticut home.



Some years ago Jack Benny was playing vaude-ville up in Canada. Chico Marx of the four Marx Brothers who was on the same bill invited Jack to visit some friends. A little girl in the house they visited was such a nuisance that Jack got up and walked out, making it very embarrassing to all. Years later Jack met a girl in the states, fell in love with her and married her. Only then did the girl tell him she was that Canadian nuisance—Mary Living-ston.



Julia Sanderson

Burns & Allen

16

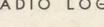
# BURNS AND ALLEN

were born on opposite sides of the continent—Gracie Allen in San Francisco and George Burns in New York, Gracie went to a convent and later studied dancing, George sang in a quartet. They got together in Union Hill, N. Y. Gracie had an act which wasn't working, and she was searching for a partner. George had an act which was working, but be needed a partner. So they teamed up, later married, and now they're famous from coast to coast.

### FLOYD GIBBONS

is a war correspondent, explorer, lecturer and broadcaster and the world is his field. Let news break anywhere and Gibbons will be on hand. His rapid fire talk and his World War stories have made his name a household word. He lost an eye in the war, but the deed that caused the injury brought him honors from the French and Italian governments who gave him war crosses. The French made him an officer of the Legion of Honor,





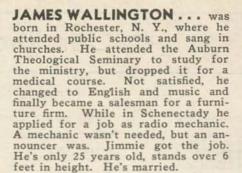
# Our Radio Log

(Continued from page 14)

		Carlo Carlo								-	
17,110	W2XD0 W00	Ocean Gate, N. J. Deal, N. J.	*W8XF	200 WJR, Good Station		Mich. (C.P.)	KGPP	(1) Harbor Police City of Portland	Portland, Me. Portland, Oreg.		2,422 2,442
17,300	W9XL	Anoka, Minn.	W8XL	200 WGAR, Bro	adeasting Cuyahoga	Hts. Vil-	WPGB	City of Port Huron	Port Huron, Mich	50	2,414
17,300	WEXAJ	Oakland, Calif.	WAYAT	Co.	lage, O	hio. (C.P.)	WPDH	City of Richmond	Richmond, Ind.	50	2,442
17,300 17,380	W8XL JIAA	Dayton, Ohio Tokio, Japan	*CP for	500 Dr. Geo. W.	Young Portable -503000, 60000-8000	(G.P.)	WPFE	City of Reading City of Rochester	Reading, Pa. Rochester, N. Y.	200	2,442 2,458
17,640	WSBN	S.S. Leviathan	301 101	12000-10000, 10000	-000000; 00000-0000	O AC.	WPES	City of Saginaw	Saginaw, Mich.	50	2,442
17,640	GFWV	S.S. Majestic	-	101			KGPC	City of St. Louis	St. Louis, Mo.	500	1.712
17,640 17,640	GLSQ	S.S. Olympic S.S. Homeric	Statio	ons Operatin	g in the Eme	ergency	WPDS KGZR	City of St. Paul City of Salem	St. Paul, Minn. Salem, Oreg.	25	2,430 2,442
17,640	GMJQ	S.S. Beigenland			rvice		KGPW	Salt Lake City	Catemi Greg.		2,112
17,770	PHI	Huizen, Holland	10					Corp.	Salt Lake City, U.	100	2,470
17,770 17,780	GSG W9XF	Daventry, England Downers Grove, III.	Lice	nsed Municip	oal Police St	rations	KGZO	City of Santa Bar- bara	Calif.	100	2,414
17,780	W3XAL	Bound Brook, N. J.	Radio L	og 6-1-176 De-ter E	Imergency Service	4	KGZD	City of San Diego	San Diego, Cal.		2,430
17,780	M8XK,	Saxonburg, Pa.	Call Letters		smitter Authorized ation Power (watts		KGPD	City & County of	San Francisco,		
17,830 17,850	PCV W2XAO	Kootwijk, Holland New Brunswick, N. J.	WPDO	City of Akron	Akron, Ohio	100 2,458	KGPM	San Francisco City of San Jose	Cal. San Jose, Cal.	50	2,470 2,470
17,850	PLF	Bandoeng, Java	WPED	Town of Arlington	Arlington, Mass.	100 1,712	KGPA	Seattle Police &	Can good, Can		
18,050	KQJ	Bolinas, Calif.	WPDY	City of Atlanta	Atlanta, Ga.	150 2,414		Fire Dept	Seattle, Wash.	250	2,414 2,470
18,100 18,170	GBK	Bodmin, England Drummondville, Quebec	KGPS	City of Auburn City of Bakersfield	Auburn, N. Y. Bakersfield, Cal.	50 2,458 50 2,414	KGPK WPEH	City of Sioux City City of Somerville	Sioux City, Iowa	100	1,712
18,240	FRO, FRE	Ste. Assise, France	WPFH	Baltimore Police			WPFQ	Borough of Swarth-	Comertane, antions	337	******
18,310	FZS	Ste. Assise, France Saigon, Indo-China	KGPJ	Dept. City of Beaumont	Baltimore, Md.	500 2,414		more	Swarthmore, Pa.	50	2,470
18,310 18,350	GBS WND	Rugby, England Deal, N. J.	WPFK	Bergen County N.	Beaumont, Tex.	100 1,712	KGZN	City of Syraeuse City of Tacoma City of Toledo	Syracuse, N. Y. Tacoma, Wash.	100	2,458 2,414
18,370	PMC	Bandoeng, Java		J., Police Dept.	Hackensack, N. J.	200 2,430	WRDQ	City of Toledo	Toledo, Ohio	200	2,470
18,620	GBU	Rugby, England Bodmin, England	KSW	Berkeley Police	Darkalan Cal	500 9 499	WPFF	Toms River Police		- 0	n 100
18,620	GBJ PLE	Bodmin, England Bandoeng, Java	WPFM	Dept. City of Birminghan	Berkeley, Cal.	500 2,422	KGZC	Dept.	Toms River, N. J.	50	2.430 2,422
18,820 19,220	WNC	Deal, N. J.		Ala.	Birmingham, Ala.	150 2,414	WPDA	City of Topeka City of Tulare, Po-	Topeka, Kansas	00	2,420
19,240	DFA	Nauen, Germany	WMJ	City of Buffalo	Buffalo, N. Y.	500_ 2,422		lice Dept.	Tulare, Cat. Tulsa, Okla.	150	2,414
19,300 19,400	FTM FRO, FRE	Ste. Assise, France Ste. Assise, France	KGOZ	City of Cedar Rapids	Cedar Rapids, Iowa	50 2,470	KGPO	City of Tulsa City of Vallejo City of Waço	Tulsa, Okia.	100	2,450 2,422
19,830	FTD	Ste. Assise, France	KGZF	City of Chanute	Chanute, Kansas	5 2,450	KGZQ	City of Waco	Vallejo, Cal. Waco, Tex.		1,712
19,850	WMI	Deal, N. J.	WPDV	City of Charlotte	Charlotte, N. C.	50 2,458	KGPZ	City of Wichita	Wichita, Kansas		2,450
19,906 19,950	LSG	Monte Grande, Argentina Nauen, Germany	WPDB	City of Chicago City of Chicago	Chicago, Ill. Chicago, Ill.	500 1.712 500 1.712	KGZI	City of Wichita	Wichita Falls, Tex.	50	1,712
19,950	LSG	Monte Grande, Argentina	WPDD	City of Chicago	Chicago, Ill.	500 1,721	WPEM	City of Woonsocket		50	2,470
20,140	DWG	Nauen, Germany	WKDU	City of Cincinnati	Cincinnati, O.	500 1,712	WPDG	City of Youngstown		150	2,458
20,620 20,680	PMB FSR	Bandoeng, Java Paris, France	KGZP	City of Cleveland City of Coffeyville	Cleveland, O.	500 2,458	Construc	tion Permits Issued	for Municipal Pol	ice St	ations
20,680	LSX	Buenos Aires, Argentina		Police Dept.	Coffey ville, Kans.	50 2,450	KGZV	City of Aberdeen	Aberdeen, Wash.		2,414
20,680	LSN	Monte Grand :, Argentina	WPFI	City of Columbu	Colombos Co	20 0111	KGZX	City of Albuquerque		50	2,414 2,442
20,730 21,000	LSY	Monte Grande, Argentina Podebrady, Czechoslovakia	KVP	City of Dallas Po	. Columbus, Ga.	50 2414	WPGA	City of Bay City Town of Brookline	Bay City, Mich. Brookline, Mass.	50	1,712
21,020	LSN	Buenos Aires, Argentina		lice & Fire Signa	1		WPFS	Buncombe Co., N.			
21,130	LSM	Monte Grande, Argentina	VODN	Dept.	Dallas, Tex.	150 1,712	WPFP	C., Police Dept.	Asheville, N. C.	100	2,458
21,400 21,420	MFO	Lawrence, N. J. Deal, N. J.	KGPN	City of Davenport City of Dayton	Dayton, O.	50 2,470 400 2,430	Mere	City of Clarksburg Dept, Pub. Safety	W. Va.	7.5	2,414
21,470	GSH	Daventry, England	KGPX	City & County o	f		WPFD	Dept. Pub. Safety City of Highland	Highland Park, Ill.	100	1,712
21,540	M8XK	Saxonburg, Pa.	VOTO	Denver	Denver, Colo.	150 2,442	WPFR	City of Johnson City	Johnson City,		2,470
24,000 25,700	W6X Q W2XBC	San Mateo, Calif. New Brunswick, N. J.	WCK	Detroit Police Dept	Des Moines, Iowa	100 2,470 500 2,414	KGZU	City of Lincoln	Lincoln, Nebr.	50	2,470
25,960	G5SW	Chelmsford, England	WPDX	Detroit Police Dept	t. Detroit, Mich.	500 2,414	KGZW	City of Lincoln City of Lubbock	Lincoln, Nebr. Lubbock, Tex.	50	2,458
27,800	W6XD	Palo Alto, Calif.	WPDW	District of Colum	14		WPFT	City of Lakeland	Lakeland, Fla.	50	2,442 2,450
31,000	M8XI	Saxonburg, Pa.		bia Metropolita Police Dept.	Washington, D. C.	400 9499	KGZS WPFZ	City of McAlester City of Miami	McAlester, Okla. Miami, Fla.	100	2,442
			WPEI		Po- E. Providence	400 2422	WPGS	City of Miami City of Nassau City of Newton Town of Palm	Mineola, N. Y.	200	2,414
Fx	perimental V	isual Broadcasting	W0711	lice Dept.	R.I.	50 1,712	WPFA	City of Newton	Newton, Mass.	50	1,712
		ne United States	WPDF	City of El Paso City of Flint	El Paso, Tex. Flint Mich.	100 2,414 100 2,442	WPFX	Beach Beach	Palm Beach, Fla.	50	2,442
			WPDZ	City of Ft. Waynne	Ft. Wayne, Ind.	200 2,470	WPGD	City of Rockford	Rockford, Ill.	50	2,458
( )	Arranged Acco	rding to Frequency)	WPDI	Franklin County	P. C.		WPGE	Santa Cruz County City of Shreveport	Santa Cruz, Cal.		2,470 2,430
Call	Power Co	mpany Location		Board of County Commissioners	Columbus, Ohio	200 2,430	WPFY	City of Yonkers	Yonkers, N. Y.	100	2,414
Letters	(watts)	impany Cocation	KGZA	City of Fresno	Fresno, Cal.	100 2,414			Police Stations		
	1600-1700	KILOCYCLES	WPEB	City of Grand	Grand Rapids,		KGHO	State of Iowa,			
WZXR	1,000 Radio Piet	ures, Inc. Long Island City, N. Y.	WRDR	Rapids Township of Gross	Mich. e Grosse Point Vil-	100 2,442		Eureau of Inves-	2000	224	
WSXAN	100 Sparks - 1	Withington	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Point	lage, Mich.	50 2,414	WMP	tigation Commonwealth of	Des Moines, Iowa	400	1,534
	Co.	Jackson, Mich.	WMO		d Highland Park.		44 1411	Mass., Dept. of	Framingham,		
Waxk		KILOCYCLES University Iowa City, Ia.	KGPQ	Park City & County o	Mich.	50 2,414		Public Safety	Mass,	500	1,574
WEXAD				Honolulu	Honolulu, T.H.	100 2,450	WPEL	Commonwealth of Mass., Dept. of	Middleboro		
	Research		KGZB	City of Houston	Houston, Tex.	100 1,712		Public Safety	Mass.	500	1,574
WEXAH	1,000 Pioneer Me Co.	Bakersfield, Cal.	WMDZ	City of Jacksonvill	s Indianapolis, Ind. e Jacksonville, Fla. y Kansas City, Mo. h Klamath Falls, Oreg.	400 2,442 100 2,442	WPEV	Commonwealth of			
MC GENERAL	2100-220	0 KILOCYCLES	KGPE	City of Kansas City	y Kansas City, Mo.	400 2,422		Mass., Dept. of Public Safety State of Michigan, Dept of Pub. Saf.	Portable	50	1,574
Waxak	125 Kansas Sta		KGZH	City of Klamatl	Oreg	95 9 449	WRDS	State of Michigan,	E. Lansing, night	1kw	1,574
	Science	& Applied Manhattan, Kans.	WPFO	City of Knoxville	Knoxville, Tenn.	500 2,470	WOA	Dept of Pub. Saf.	Mich. day	5kw	
W3XAK	5.000 Nat'l Brde	stg. Co. Portable	WPDT	City of Kokomo	Kokomo, Ind.	25 2,442 500 2,470 50 2,470 50 2,442	WBA	Pa. State Police, Commonwealth			
WOXAP	# 000 N-41 D-1-	to Co Non Vouls N. V.	WPDL	City of Lansing	Lansing, Mich.	50 2,442 200 1,712		of Pa-	Harrisburg, Pa.	300	190
W2XBS W6XS	5,000 Nat'l Brdc: 1,000 Don Lee B	rdestg, Svs. Los Angeles, Cal.	KGPL	City of Los Angele	s Los Angeles, Cal.	500 1,712	WBR	Pa. State Police,			
	2200-2300	rdestg, Sys. Los Angeles, Cal.  KILOCYCLES	WPDE	City of Louisville	Knoxville, Tenn. Kokomo, Ind. Lansing, Mich. Lexington, Ky. s Los Angeles, Cal. Louisville, Ky.	200 2,442		Commonwealth of Pa.	Butler, Pa.	300	190
W9XAL	DUU FIRST Nat.	Television Kansas City, Mo.	WPEC	City of Memphis City of Milwaukee	Memphs, renn.	200 2,442 400 2,470 500 2,450	WDX	Pa. State Police			
	Corp. 2750-2850	KILOCYCLES	KGPB	City of Minneapoli	s Minneapolis,	2,400		Commonwealth of Pa.	Wyoming, Pa.	300	190
Waxe	1,500 Purdue Un	iversity W. Lafayette, Ind.	were		Minn.	400 2,430	WJL	Pa. State Police,	wyoming, ra-	.000	4100
W2XAB	500 Atlantic Br Corp.	New York, N. Y.	WPFC	City of New Bed	n Muskegon. Mich.	50 2,442		Commonwealth		***	100
4300	0-46000, 48500-5030	0, 60000-80000 KILOCYCLES		ford	Fairbaven, Mass.	100 1,712	WMB	of Pa. Pa. State Police	Greensburg, Pa.	500	190
WZXAK	50 Atlantic B	roadcasting -	WPEK	City of New Orlean	s New Orleans, La.	100 2,430	W IN CO.	Commonwealth			
WEXAG	Corp. 150 Don Lee B	New York, N. Y.	WPY (1)	Police Dent.	New York, N. Y.	200 438 & 200 500		of Pa.	W. Reading, Pa.	300	100
HOAAU	System	Los Angeles, Calif.	WPEE	City of New Yor	k Brooklyn, N. Y.	400 2,450	KGZE	City of San Antonio	San Antonic, Tex.	500	2.506
W9XD	500 The Journa	Company Milwaukee, Wis.	WPEF	City of New York	k Brooklyn, N. Y. k New York, N. Y. k New York, N. Y.	400 2,450		construction Permits			2,000
WZXBT	5 000 National B	rdestg. Co. Portable rdestg. Co. New York, N. Y.	WPEG KGPH	County of Okla-	k New York, N. Y. Oklahoma City,	500 2,450	WPEW	Commonwealth of	or orato ronce Sta		
W2XF W3XE	1,500 Phila. Stor	age Battery		homa	Okla.	250 2,450	Es -	Mass. Dept. of	Northampton,	***	1.774
	Co.	Phila, Pa.	KGPI	City of Omaha	Omaha, Nebr.	400 2,470 100 1,712	WPGC	Public Safety State of New York	Mass.	500 t 500	1,574
W3XAD W10XX		r Co., Inc. Camden, N. J. r Co., Inc. Portable & Mobile	KGJX WPFV	City of Pasadena City of Pawtucket	Pasadena, Cal. Pawtucket, R. I.	50 2.470	Mrdu	State of New York	N. Y. day 1	kw Li	censed
WZXR	1.000 Radio Piet	Long. Is. City, N. Y.	WPDP	City of Philadelphi	a Philadelphia, Pa.	500 2,470		Licensed Mar	ine Fire Stations		
WEXAN	100 Sparks-Wit	hington	KGZJ	City of Phoenix	Phoenix, Ariz.	500 2,470 100 2,430 400 1,712	WEY	Boston Fire Dept.	Boston, Mass.		1,558
WEXE	1,000 U. S. Rad	Jackson, Mich.	WPDU	City of Pittsburg City of Portland	Pittsburg, Pa.	400 1,712	KGPD	Detroit Fire Dept City & Co. of Sar	San Francisco.	500	1,558
27000	vision C		-	Police	THE PERSON NAMED IN			Francisco	Cal.	400	1,558
											17



JACK PEARL . . . of Baron Munchausen fame first saw the light of day in New York in 1895. His first job was as an errand boy for a safety razor firm and later as a clerk in a music store. In 1910 he was offered a job along with Walter Winchell, Georg'e Jessel and Eddie Cantor in a chorus for \$12 per week. But Pearl held out for \$15 and didn't get the job. Trying again, he made good—in vaudeville and the Follies. He married Winifred Desborough, an actress.







FRED ALLEN . . . used to be John Florence Sullivan—but after a few changes it became the Fred Allen we all know. Born in Somerville, Mass., he moved later to New York, wandered to Texas and New Orleans and even went globe-trotting to Australia. Fred made a hit on Broadway upon his return, and then he upped and married his stooge, Portland Hoffa, who has been playing in his acts ever since. That wedding was in 1926. This, the 37th year of his life, finds him on NBC.

TED HUSING . . . c o m p e t e d against over a hundred in an audition for WJZ in New York back in 1925. He hadn't considered radio before, but took the audition as a lark. But, as things do happen, Ted won out. Before this he taught dancing, supervised gymnasiums, took part in sports and had done a lot of airplane flying. He was born in 1901, in Deming, New Mexico. Now he weighs 168 pounds, is six feet tall, has brown hair and hazel eyes. And he's married.





SINGIN' SAM...if you didn't know, is really Harry Frankel, a native of Indianapolis. That rich bass voice was cultivated at the age of 17. His first job was with a minstrel show as the "boy basso." He was born in Danville, Ky., but moved to Richmond, Ind., and then to Indianapolis. His radio debut was made in Cincinnati about three years ago when a friend asked him to go on the air to advertise his lawn-mower business. He likes old songs, the country and sports.

FRED WARING . . . organized his orchestra at Penn State in 1920, the college his great-grandfather founded, and the college where Fred failed to make the glee club for three years. Tyrone, Pa., was his home town where he was a Boy Scout and a playmate of the same boys who are now in his famed orchestra, the Pennsylvanians. The band went into vaudeville and clubs, coming to radio for the first time with the same sponsor for whom they now play on CBS's biggest network.





DAVE RUBINOFF... was born in Russia in 1898, and there he got his first violin, a \$3 affair, and started drawing the bow at the age of 5. He studied in Warsaw, Poland, Berlin and Vienna. Now, in America, he trots around an instrument insured for \$100,000. He's directed the Paramount Theatre orchestra in New York, fiddled on the Chase and Sanborn hour with Eddie Cantor and toured these fortyeight states a lot. He's five feet seven inches tall. Weighs 155 pounds.

BEN BERNIE . . . the Old Maestro, was Bernard Ancel May 31, 1893, the day he became one of the eleven little Ancels back in Bayonne, N. J. When it was decided that Ben was too frail ever to follow the family trade as a smith, his father decided he should be an engineer. His mother decided he'd become a violinist. So violinist he became. He gave a concert in Carnegie Hall at 14, and a year afterwards was teaching violinin a school. There's a wife and son.





GRAHAM McNAMEE...w a s serving on a jury in New York in May, 1922, when, during an idle lunch hour, he wandered up to WEAF to see what a broadcasting station looked like. Now he's a fixture at NBC of which WEAF is one of the key stations. A promising baritone before 1922, he's sung and talked and acted in all kinds of shows at all hours since the days of the Crystal sets. He was born in Washington, D. C., in 1889.

act in 1909 to win an amateur contest and \$5. In 1929, 20 years afterwards, this same actor lost \$2,000,000 in the stock crash. He's known for his comedy, for his family of five daughters, for his Sunday night broadcasts and for his many movies. He was born in New York's poorer section. Both parents died before Eddie reached his second year. Life then became a hard and lonely struggle—before it was crowded with fame and fortune.

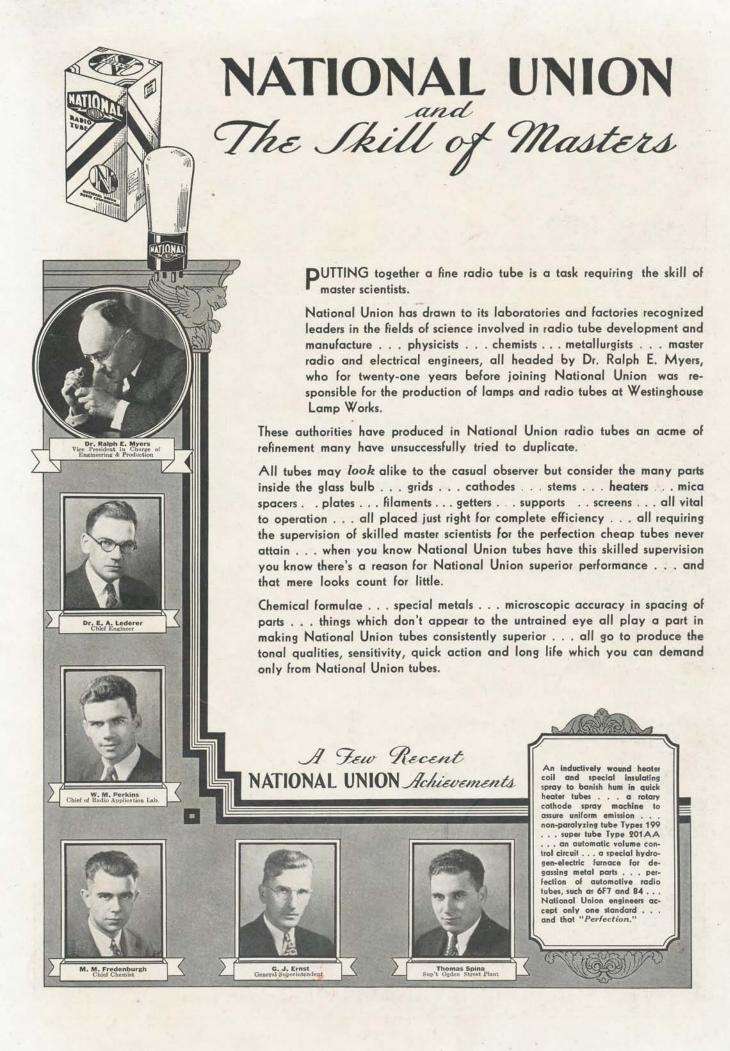




GERTRUDE BERG... was married at 20. Her husband was in the sugar business and she went to Louisiana to live on a plantation. They saw poverty and desolation, and before their first child was born they returned to N. Y. The son is now 10. There's a daughter 6. Gertrude once heard that "if you're not a success before you're thirty, you'll never be a success." It got under her skin. She looked to radio. Finally NBC accepted her and her character Molly Goldberg started.

VINCENT LOPEZ... was born in Brooklyn, N. Y. His father was a bandmaster in the U. S. Navy and his mother a musician, but the parents wanted Vincent to become a priest. He consented to attend a seminary at Dunkirk, N. Y. The director of the school realized that the boy's future was not to be that of a priest, explained matters at home and once again Vincent was free. Then he was sent to a business school. Later worked in a dairy office. Finally he organized his own band. You know the rest.





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