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AN AMAZING STORY ABOUT RADIO SOUND EFFECTS

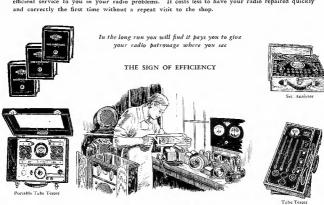
Complete Listings of Broadcasting, Short Wave, and Police Stations



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 shoot.



WHO'S WHO BEHIND THE MIKE

MEET THE ANNOUNCERS



HARLOW WILCOX has the job of amouncing the majority of exening programs from Columbia's Chicago studios because he's the ace amouncer there. Being a salesman by profession and an actor by inclinaction of the columbia of the columb



CHARLES O'CONNOR . * six the soungest of the soungest of the sounge at SBC. Was short in Cambridge, Mass. only 23 years ago. Attended Boston College for a year, acted in stock companies and in a theatrical colony and started ammunicing over WBZ. in Soston. He's very RAJHO STARS) & stade for feet elevent and is real good-booking.

PAUL DOUGLAS a six-footer, with blue eyes and dark frown blair, is the fellow who runs the children's show at Columbia. Amounces dots of other shows, too, It's 26 years young, tips the scales at 105 and the columbia to the columbia to the columbia of the columbia to the columbi



CHARLES LYON . . . was born in Detroit in 1905. He's from NBC, played in movies, was an ordinary seamon on an ocean freighter, juggled dishes at might for a N. V. care. Tis said be lost 9 mounts amounting the control of the control of the control of the last summer. Won fame when he few to Edmonton, Canada, to amounce the arrival of Mattern, who didn't arrive, and Post, who did,





LOUIS DEAN • • is from down in Alama. Valley Head is the town. Hes 32 years old, five feet eleven, weights 100 pounds. Eyes are bline and hair is dark brown. Yes, he single. Likes double-breasted soits and is awfully neat. Likes, too, to dance and golf and read good books. He's the fellow who amounteed Col. Stooppingle and Bud.



JOHN 5. YOUNG . . . is NBC's hest-dressed announcer, they say, And he's ap-Dector of Law, if you please. Bora in Springfield, Mass, clucated at Yale, he debuted before one of those WIZ mines in Boston in core one of those WIZ mines in Boston in program for Admiral byed at Jattle America at the South Formal by deal at Jattle America at the South Formal program.

KENNETH ROBERTS ••• a real New Yorker—born there and always lived there. He's two inches ever six free, weight library and last shade every library library and last shade every library libra



HOWARD A. PETRIE. . . just a few moutis ago took unto himself a bride tas amounters sometimes do.1. Miss Alfee 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 Church. He's also a violinist of note. He's six feet from inches, blond and blute-syed.





HARRY VON ZELL • • • from Indianapolis, Ind., cante to announce for Columbia, angular, and the control of the c



JEAN PAUL KING . • was born in North Bend, Nebraska that state scores and the state state scores. Moved to Tarcoma, Washington, where he attended the University and was a Beta Theta Pi and Sigma Delta Chi (What! No Trapa Keg'). Played in stock, started for MBC or San Francisco and ended up in Chicago.

AMDPE BARUCH is Paris. Francis, gift to the Colombia Broadcasting System. He's a 20-year-old, blue-eyed unit business of the feet ten. And it you really want to know, he weighs exactly 105 pounds and last dark brown hair. And it 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 massichin. Not that he had to, but he wanted to. To humor his parents, he pretended to study medicine, but he 19 was directing choirs and glee chils. Radio claimed him in Louisville, Ky. New York got him in 1930. On the side he still sings in a church.





DON BALL • • our last off to Don Itali of CIS for lating a rame cosy to each over the air. Block faluid, R. L. was his home before he reached 11 inches over 5 feet in his vertical movement. Weighting 105 panishs and with reddist brown, wavy hair and live eyes, he could remvince anyone to buy Irsy Wingy Wash Codes. Hes-9 and married.



WALLACE BUITTERWORTH...
iron a store clerk to a radio amountor was
the step Wallace took when he went with NBC
Gradunted from high school in 1920. From
clerking he got funds to study voice. Father
was a concert pointst. Carson was his ided.
Wallingford, Pa., was the home town. Did
oncert work. Net result: a swell autonincer.

BACKSTAGE AT



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

and even the unreal. When a broadcaster wants rain, he gets rain. When he wants thunder, he gets thunder. And when he wants throad of an airplage 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.

urams and inunder always starts on 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 ordi-nary motor playing on bottles. Radio listeners are hearing nary motor playing on norties. Kamo listenets are nearing and visualizing a speeding plane in the clouds. Fooled? 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

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 water whistles. But if we must have birds we must have them. And he blows on one and blows on another and soon until the larks, the sparrows, the robins and all the other birds have had their say.

other birds have had their say.

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

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 forhead with a padded stick. And so, safe at last, they turn on the phone gift of the still the still

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

Mr. Sound Man does it with a little toy norn.
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 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

ormestra. Ins studio is sound proot and sounds are a sub todd anyway to a person, in the studio. By cupping his bit odd anyway to a person, the studio. By cupping his lin the last bars of the song the music calls for a short rombone solo. The trombone player comes up from his chair in the very last row to the mike so the little black by 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 ms usuote-pressee suit (they always wear double-breasted suits) to a stand on which is a little red light. That light sheaf of papers in his hard, he reads. And he tells you that his 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 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—the's only got four seconds to go—comes the That sentence is the cue to a couple of men sitting be-hind a glass window to shut the program off for station ampouncements all over the country.

amouncements at over the country. These men, by the way, on the program turning disabilities and throwing switches and making lunny 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 too sort parts and see that all goes smoothly. Microphones 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 to stand closer and all of those things.

And so another broadcast is over. Over in the corner

And so attorner broadcast is over. Over in the conner 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 $I \cap G$

KGHF

KGH

KGHL

KRIB

KOIN

KCK Y KGKY KGM8 KGMP

KON

KORS

KID

KIDO KIDW KIEM KIEV KIEH KIGY

KIT KJBS KJR KLCN

KLO KLPM KLRA KLS KLUF KLUF

KMED

KMED KMJ KMLS KMMJ KMOX KMOX KMPC KMTR

KNOW

KOAC KOS KOCW

KOH KOIL KOIN KOL KOMA KOMO

KPJM KPO

KPRC KPRC

600 1 126

> 550 KGKS

1,310 KGRS KGVO KGV KGY KHJ KHQ

KEOR

KFOX KFPM KFPW KFPY KFQD KFRG KFSD KFSD KFSG KFUL KFUD

KFVD

KFVD KFWB KFWF KFWI KFXD KFXF KFXJ KFXM KFXM

KFYO

KFYR

Lincoln Nobe

Lung Beach, Calif.
Dublin, Toxas
Greenville, Tex.
FL Smith, Ark.
Spokane, Wash.
Anchorage, Alaska
San Francisco, Calif.
Los Angoles, Calif.
Los Angoles, Calif.
Los Angoles, Calif.
Los Angoles, Calif.
Galvesten, Texas
Clayton, Me.

Los Ampeles, Calif. Cape Girardeau, Ma. Hollywood, Calif. St. Lnuis, Mo. San Francisco, Calif.

San Francisco, Calif.
Nampa, Idaho
Denvar, Colo.
Grand Junction, Colorado
San Bornardino, Calif.
Oxlohoma City, Okla.

Lubbock, Texas

Blamarck, N. D.

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 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.

ized. o:-watts.

KCMC

KDB KDFN

KDFN KDKA KDLR KECA KELW KERN KEX KFAB

KFH

KFJM KFJR KFJZ

Exp:-experimental.

Jerome, Ariz. Santa Barbara, Calif.

Santa Barbara, Gait Casper, Wyoming Pittsburgh, Pa. Devils Lake, N. D. Salt Lake City, Uish Los Angeles, Calil. Burbank, Calil. Bakersfield, Calil Pertland, Ore. Lincoln, Nobr.

Abilene, Kans, T-Milferd Sacramento, Calif. Exerctt, Wash. Besument, Texas

Brookings, S. D.
Denver, Colo., T-Edgewater
St. Joseph, Mo.
Boone, bowa
Wikbita, Kans.
Les Angeles, Calif.
T-Beens Park
Spokane Wash.
Fond du Lac, Wis.

Lawrence, Kan., T-Tongaroccie Rockford, III. Call letters changed to KLUF Northfield, Minn. Shenandosh, towa 36

Klamath Falls, Ore Grand Forks, N. D. Portland, Ore. Fort Worth, Texas. Greeley, Colo.

C. P .: - construction permit authorkw:-kilocycles. L. S .: - Local sunset. Stations of the United States Gall Letter Location cycles San Antonie, Texas Portland, Orc. Little Rock, Ark. Elk City, Okta. Portland, Orc. Paragonid, Ark. Tocarkana, Ark. Enid, Okta. KABC KALE KARK KASA KBPS KBTM 1300

1,440 080

Ikw 1,280

100to

5000 920 699 1,310 1,390 23/skw 100w Ikw

1kw 500 or 18 w-LS

wn. 1.200

1,210 1,370 1,390 1,390 880 KC

Jeannie Lang is heard with Jack Denny and his orchestra.

KGAR	Tueson, Ariz.	100w	1,37
		250w-LS	
KGB	Dan Diego, Calif.	Llow	1.30
KGBU	Kotobikan, Alaska	Stitle	90
KGBX	Springfield, Mo.	200w	1.31
KGBZ	York, Neb.	500w	22
		Hw-LS	
KGCA	Decorah, Iowa	f00w	1.27
KGCR	Watertown, S. D.	100 0:	1,21
KGCU	Manden, N. D.	250w	1.24
KGCX	Wolf Piont, Montana	100 sr	1.31
		250u-LS	
KGDA	Mitchell, S. D.	100ur	1,37
KODE	Forgus Falls, Minn.	100w	1.20
NUDE	, angua a casa, an ana	250w-LS	
KGDM	Stockton, Calif.	250w	1.10
KGDY	Huron, S. D.	100w	1,20
KOUI	1161 GH, 5. D.	C.P. 250x	1.34
KGEF	Les Angeles, Calif.	12:w	1,30
KGEK	Yuma, Cole.	100w	1,20
KGER	Long Beach, Calif.	11/10	1,36
KGEW	Ft. Maryan, Colo.	100w	1.20
KGEZ	Kalispeli, Montana	100w	1,31
KGFF	Shawnee, Okla.	HOW	1.42
KGFG	Oklahoma City, Okla.	100w	1.37
KGFL	Cornus Christi, Texas	100w	1.50
KGFI	Corpus Certsu, 16245	250w-LS	1,00
KGFJ	Los Angeles, Calif.	100w	1.20
	Meerhead, Minn.	100%	03.1
KGFK	Rater, N. Mex., C. P. Ross	will life	1.37
KOLL	T and studio Roswell	WIN TOUR	1,01
	I and studio Noswali	100m	1.31
KGFW	Kearney, Nebr.		
KGFX	Pierre, S. D.	200w 100w	1.42
KGGC	San Francisco, Calif.		1,42
Kegf	Coffeyville, Kans., T. South	500w	1,01
	Coffeyville, Okla.	1kw-LS 200w	
KGGM	Albuquerque, N. M.		1,23
		500w-LS	

KGA	Spokano, Wash.	2)4kw-LS 5kw	1.47
		•	
		1	
1			
	1	3	
		1/	
			ata i

Puehlo, Colo.		1,820
	250s 500w-LS 100s 250w-LS 1kw-LS 214kw-LS 500w 1kw-LS	
Little Rock, Ark.	100m	1,200
Billings, Montana	1kw	930
Butte, Montana	500w	1,360
	1kw-LS 100w	1,420
Trinidad. Celo. C.P.—T. & studio Alam		
C.P.—T. & studio Alam Las Vepas, Nov. Grant City, Mo. Y and studio Springfield Tyler, Yexas San Angelo, Yexas Witchita Falls, Texas	100 w	1,420 860
T and studie Springlield	160w	1.500
San Angelo, Texas	160m 250m	1,500 1,370 570
Sandanini, idahe, C. P. i Sectibilali, Netr. Henololu, Kawai Elk Giy, Okia. North Plate, Nebr. Dadge Giy, Kans. San Francisco, Galit., 7-Ostland Amarillo, Texas Horoldin, Montana Portland, Gre, T-Falon Olympia, Wash. Los Amplets, Galif. Spokano, Wash.	500w-LS Lewiston 100m	
Sandpoint, Idano, C. P. I Scottsbiuff, Nebr.	100m	1.420
Henelelu, Hawaii Elk City, Okla.	250 g 100 w	1,500 1,326 1,210
North Platte, Nebr.	500w 250w	1,480
San Francisco, Galif.,	21/04	790
Amaritio, Texas	716kw lkw	1.410
Honotulu, Hawali Mussoula, Montana	236kw 100w 14 lkw	750 1,200
Portland, Ore., T-Falon	14 lkw 100m	
Les Angeles, Calif.	lkw lkw 2kw-LS	1,210 900 500
Spokano, Wasn.	2kw-LS	
Covis, N. Mox. Bed Oak, Iowa	100w	1,370
Covis, N. Mox. Bed Oak, lowa C.P., T. and studio Car Idaho Falls, Idaho	ter Lake	1,320
Ballon Labor	250sr-LS 500sr-LS 1kw	1,350
Baise, Idaho Lamar, Colo. Eureka, Calif. Glendale, Calif. Juneau, Alaska Call Julyer, sin unol to	100m	1.420
Eureka, Calif. Glendale, Calif.	1000	1.420 1.210 839
Juneau, Afaska Call letters changed to	KSUN 100w	1,310
Yakima, Wash. San Francisco, Calif. Scattle, Wash.		1,310
San Francisco, Calii. Scattle, Wash. Blythovillo, Ark.	100m āku	
	CP 100w	1,290
Ogden, Utah Minot, N. D. Little Rock, Arkanses Oskland, Calif. Galvesten, Texas Oskland, Calif. Deaver, Colo. Shanandash Juwa	500 er 250 w	1,400 1,240 1,290
Little Book, Arkansas	15 w	1,240
Gakland, Calif. Galvesten, Texas	250w 100w	1,440 1,370 880
Oakland, Calif. Denver, Colo. Shenandoah, Iowa	1kw Ikw	880 563
Greening to the	500m 1kw-LS 100w	930
San Antonio, Texas Kansas City, Mo., TKansas City, Kan.	100m	1370
Kansas City, Mo., TKansas City, Kan.	1kw	930
Mediard, Ore.	100w 500w 100w	930 1,310 880 1,200 740
Monroe, La.	100w	1.200
Tatoma, Wash.	250ter 500cm	1,340
Boyerly Hills, Calif.	500w 500w	1,830 1,690 710 570
Lus Angeles, Calif. Austin. Tex.	100 or	570 1,500
T. Kanass City, Kan. Mediced, Ore. Fresno, Celif. Monroe, La. Clay Center, Nebr., Tacoma, Wash. St. Looks, Mo. Baverly Hills, Calif. Lus Angeles, Calif. Austin, Tex. Los Angeles, Calif. Conver, Cole.	25kw 1234kw	1,500 1,669 839
Demaille Oct		550
Albuquerque, New Mex	ico Ifikm	1,180
Corvallis, Orc. Albuquerque, New Mex Chickasha, Okia. C.P., T. & studio 1	ulso 500w-LS	1.400
Rono, Nevada	500w	1,308
Portland, Ore.	Ikw Ikw	1,308 1,260 940
Seattle, Wash. Okishoma City. Okia	1kw 5kw 1kw	1,270 1,480 920
Seattle, Wash.	Tkw 190w	920
(1.P., 3. & studio 7 Rono, Nevada Cesinell Sioffs, Jawa Portland, Ore, Seattle, Wash, Okaloma City, Okla Seattle, Wash, San Artenio, Texas Marshifield, Ore.	100w tkw-LS	1,370
Eugene, Oro. Phoenix, Ariz.	Hillo	1,420
	500w Hew-LN	1,390
Seattle, Wash.	100w	650 1,500
Sentlie, Wosh. Prosenti, Ariz. San Francisco, Calil, C. Near Belment	P. T-	
Mear Belment Denver, Colo.	50kw 500w 50w	680 880
Pasadona, Calif.	100w	880 1,210 1,500 920
Denver, Colo. Pasadona, Calif. Wonatchee, Wash. Houston, Texas T-Sugarland	1 leve	920
Pittaburgh, Pa. San Jase, Calif.	21/4kw-LS 500w	1,380
San Jose, Calif. Barkeley, Calif. Santa Ana, Calif.	500 or 100 or	1,010
Santa Ann. Calif.	100w	1,500

KSCJ	Siour City, Iz.	1kw 1,237	WCAL WCAM WCAM	Lincoln, Mebr.	Jinne Jinne	500	WFAN WFAS WFBC	Philadelphia, Pa. 50% White Plains, N. Y. 100= Greenville, S. C. 100w	1.210
KSD KSEI	St. Louis, Mo.	w-LS 500 s 550 550 x 500	WAAW	Northfield, Minnesota Catoden, N. J. Rallimore, Md	300 s 250 s	1,250 1,250 600	WFEC	White Plains, N. Y. 100= Greenville, S. C. 100= 250x-Ls	1,200
	Pocatrillo, Idabe Sidn-LS S.A. free Selt Lake City, T-Seltair 5 Des Moines, Ia. 1 250s	Equency S90Ke	WCAP	Asbury Park, N. J.,	590a	1 990	WFBE	Cincinnati, Ohio 100x 250x-12	1.200
KSL KSD .	Das Moines, Ia.	INTER 1.378	WCAT	Rapid City, South Dakets	100a	1,299	WFSG	Aftpona, Pa. 100w	1,310
KSOD	250s 250s 50s Falls, S. D. 21 5t, Paul, Ming. 25km-LS (e		WCAU	T-Whitesvilla Rapid City, South Daketa Philadeighis, Pa., T-Newton Square Co. Burlington, Vt. Carthago, Ill. Allentown, Pa.	50k*	1.179	WFBL		1,100
KSTP KSUN KTAB	Lowell, Ariz.	(Np.) 1,460 (Our 1,200 Hrw 550	WCAX WCAX	Burlington, Vt. Carthage, III.	100m	1,070	WFBM WFBR WFDF	Indianapolis, Ind. 1kw Baltimore, Md, 500a	1,230 1,270 1,310
KTAB	Phoenix Arix 54	10w 690			2019W	1,449		Flint, Mich. 100w Rome, Ga. 190w Manchester, N. H. 500w	
KTAT	Fort Worth, Tex.		WCBM	Baltimore, Md.	100w 200w-LF	1,370	WFEA	Manchester, N. H. 500 × Philadelphia, Pa. 500 ×	1,430
KTBS KTFI	Shreveport, La. Twin Falls, Idoha 5t	Ukw 1,450	WCES WCEO WCDA	Springfield, III. Minneapolis, Miss., Y-Aneka	100w 50km	1,210 810	WFLA-	Philadelphia, Pa. 500w Hopkinsville, Ky, 1kw Clearwater, Fla. 250w	0.40 6:20
KTHS	1kw	-L8		Springfield, III. Minneapolis, Miss., Y-Anoka New York, M. Y., T-Cliffside, N. J.			WEOY	Breaklyn N Y 300m	1.400
KTM	Arkenses Los Anneios, Galif.	10kw 1.818 109w 780	WCFL	N. J. Chicago, III. Call Letters changed to WARI Covington, Ky. T-Grescent Springs Jamesville, Wis. Letters in the control of the control Letters in the control of the con	åk er	1,350 970	WGAL	Breeklyn, N. Y. 550% Lancaster, Pa. 100% Cleveland, Onto., T-Cayahogs 590%	1,310
KTRH	T-Santa Monica Ike	.15	WCKY	Covington, Ky.	5km	1,450	wege	Heights Jhw-L- Freeport, N. Y. 1998 (3R :Sre WNBR-WGBC)	1,210
KTSA	San Antonio, Yezas El Poso Toras	1kw 1.120 1kw 1.210 100w 1.310	WCLO	Jamesville, W's. Jeifet, III.	10ths	1.290	WSBC-WI	(3R Sre WNBR-WGBC)	620
KTW	Snattle, Wash.	1km 1,270	WCGA	Pessacola, Fla. Meridian, Miss	5(4) m 5(0) ec	1.340 550	WGBI	Seranton, Pa. 250w	894 1,219
	Yuma, Arit.	00% 1,420			15.w-L.* 100a	1,290	WGCP	Newark, N. J. C.P. 250w Le	
KUSD	Yermillian, S. D.	1km 1,260 500w 850 500m 570	WCGD WCRW WCSC WCSH	Harrisburg, Pa. Chicage, Itl. Charleston, S. C. Pertland, Me., T-Scarbore	100 a 500 w	1.210	WGES	Chicago, III. 500 cr	1.250 1.260
KVL KVOA	Seattle, Wasia.	1,420 1km 1,260 1km 1,260 100m 850 100m 1,370 100m 1,260	WCSH	Pertland, Me., T-Searbore	Hew Sides-LS	040	WGH	Newport News, Va. 100s Ft. Wayne, Ind. 100s	1,210
KVOO	Tuise, Okla.		WDAE	Tampa, Fis. Kansas City, Mp. Amarillo, Tox. El Pato, Toxas Philadelphia, Pa.	Her Here	1,220 610	Merc	Newport News, Va. 100s Ft. Wayns, Ind. 100s Gloss Falls, N. Y., T. and studio Hudeon Falls, M. Y. 100s LB (Soe WLS-WGMS) 284s Chester Township, N. Y. 50s Buttals, N. Y., T-Amherst Township B.	1,370
KVOR	Colorado Sorioss, Colo.	1kw 1,270	WDAF WDAG WDAH	Amarillo, Yox.	Haw Haw	1,410 1,310 1,370	WGMS-W	LB (See WLS-WGM5)	
KYDS	Cedar Rapids, towa 25th	100 x 1,420	WDAS	Philadelphia, Pa.	100 a 250 a - 1.5	1,370	WENY	Choster Township, N. Y. 50w	720 1.219
KWEA KWKC KWKC KWEV	Shreveport, La.		WDAY	Fargo, N. Q., T-West Fargo Reanoke, Va.	11.m 250a	940	WEST	Township Ikw Atlanta, Ga. 230s	530 896
KWG	Stockton, Cal.	100% 1,210 100% 1,200 500% 1,060	M DP 1		501×-L:	560	WGY		807
KWK	St. Louis, Mo., T-Kirkwood	1kw 1,350 180w 1,370		100 A 440 A 450 A				Schemeetady, N. Y., T-South Schemeetady Madison, Wis. 15 ×	290 940
KWKH		16k u 856		1 14 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			WHA WHAD	Madison, Wis. 1kx Milwankee, Wis 2304	1,129
KWIC		190 x 1,270 lkw 1,220 w.l.s					MAHW	Rochester, N. Y. T-Victor Twp. 25k = 25k = 1 printed by T. Jeffersontown 25k =	1.150
KWWG	Renumerille Tayes	Mainr 1 280			,		WHAS WHAT WHAZ	Philadeichia, Pa. 190c	820 1,310
	500			- 4			WHAZ	Kannas City Ma. T. North	1,306
KXL KXB KXBO	Portland, Dre. El Centre, Calif. Abordean, Wash. Housten, Toxas Sun Francisco, Calif. Chicage, Ill., T-Bioomingdale Townskin	1,420 100 u 1,500 100 u 1,500 100 u 1,310 250 u 1,440 1ku 1,280			-1		WHEC	Kansas City 500w Canton, Ohio IINW	8(d) 1,2hn
KXRO	Abordean, Wash. Housten, Toxas	101w 1,310 250w 1,440		Carlotte Company	1/2		WHBF WHBF	Mil. Orab, Ohio Ilifiw Bork Island III. 180o	1,376 1,216 1,418
KYYZ KYA KYW	Sun Francisco, Calif. Chicago, Ill., T-Bloomingdale				8		WHBL	Sheboygan, Wis 500s Memphis, Tenn. 100s	1,370 1,270
WAAB	Boston, Mass., T-Opiney	10kw 1,020 100m 1,410		1			WHED WHED YEHW	Sheboygan, Wis 300 s Memphis, Tenn. 100 w Anderson, Ind. 100 w Groon Bay, Wis., T-West De	
WAAF	Chicage, III. Newark, N. J. 254ks	500 st 1,250		N.	1		WHOF	Calumet, Mich. 100'rs	1,370
WAAT	Jersey City, N. J. 234ks				B		WHDH		530
WARW-	Jersey City, N. J. Omaha, Nebr. New York, N. Y. T-Wayne, N. J. Banger, Maine Call letters changed to WSBX	5/You &60 km,w \$60		200	189		WHOL	Boston, Mass., T-Saugus 1hw Tupper Lake, N. Y. 109/m Portsmouth, N. H.	1.429
WABI	T-Wayne, N. J. Banger, Maine	1,200 1,200			1		WHEC	Rochester, N. Y. 500m	1,446
WACO	Call letters changed to WSBX Water, Texas	00w 1.420			100		MHEE		1.500
WADC	Tallmadge, Ohio Presque Isle, Maino	licw 3,320 100× 1,428		THE REAL PROPERTY.	- dilia		WHET	Troy, Ais. 100w Cictro, III. 100w	1.210
WALR	Calumbus, Ohio Zanesville, Ohio	500s: 640 100s: 1,210		1.000			WHEC WHIS WHK	Cictra, III. 100w Bluefield, W. Vs. 250w Cleveland, O., T-Seven	1.410
	Laurel, Miss.	500s 640 100s 1,210 100s 1,420 100s 1,310	" Vet.		A keep to	- State of		mais 15.0	1390
WAPI	PILIDI JOSES MISOSIES	5kw 1,140	1834			1	WHN	New York, N. Y. 250ar C.P., T-Asteria, L. I.	1,010
WARD	Brooklyn., N. Y., T-Long Island City Grand Repids, Mich.	500w 1,400			0	,01000k	WHO	New York, N. Y. 250u C.P., T-Asteria, L. I. (Consolidated with WOC) Ges Moines, Yowa, T-	
WASH WAWZ WAZL WBAA	Grand Replds, Mich. Zarephatk, N. J.	500w 1,400 500w 1,270 250s: 1,350 100w 1,420 500s: 1,400	Ethe	Shutta, whom you	may ha	ive	WHOM WHP	Milchellville 10kw	1,450 1,450
WAZL	W. Lylayette, Indiana	100w 1,420 500hr 1,400	hea	rd on the Nestlé	progra	ım.			
WBAL	Harr shurg, Pa. Balti nore, Md., T-Glen Marris	1KW 1,4389	WDBO	Orlande, Fla.	250hr	550	WIAS	Ottomwa, lews 19th Bellin Bollin	1,310
WEAP	Fort Worth, Texas,	filew 1,060	WDEL	Wilmington, Del.	250 a 500 a - L <	1.120	WIEG		56341
WBAX	T-Grapovino : Wilkes-Barre, Pa.	50% w \$000	WDEV	Waterhery, Vt.	5002	550 1.180	WIBM	Glenside, Pa., T-Elkins Park 25w Jackson, Mich. 100w Chicsgo, III. 1kw T-Des Plaines 15kw-L8	1,87e) 364
WBSC	T-Ptains Two. Brooklyn, N. Y.	100w 1,210 500w 1,400 100w 1,210	WDOD	Chattanoppa, Tonn. T-Brainard 2	lkw Mkn-LS	1.280	WIEU	T-Des Plaines 15 kwsl.s Poynette, Wis. 100s	1,210 580
WBBC WBBL WBBM WBBR	Richmond, Va. Chicago, III., T. Glenview	100w 1,210	WDSU		500w 1kw	1,330 1,250 1,070	WIBW	Yopeka, Kansas 1kw	580 1,200
	Brooklyn, N. Y., T-Rossville New Orloads, La.	100m 1.200	WDSU WDZ WEAF	New Orleans, La., T-Greine Tusepla, III. New York, N. Y., T-Bellmore Providense, R. I.	100s 50kw	1,979 160 750	WICC	Reidneport, Conn. Milw	604)
WEBZ	Pensa City., Okia. 1 Bay City, Mich.	1,200 tishw	WEAN			750	WIL	C.P. 500w-1.5	1,200
WBEN	T-Hampton Twp. : Buffale, N. Y., T-Martinsville	1,410 1liu 900 100u 1,310	WEAD	Call letters alranged to WOSO	Bow-Lei		WILL	25fw-LS 25fw-LS 25fw-	890
WBEO	Marquette, Mich. Huntsyille, Alabama		WEBC WEBQ WEBR	Superior, Wis Harrisburg, III. Buffalo, N. Y.	213 kw	1,250 1,210 1,310	WILM		1,120
WBIG		160 w 1,449 w-L ² 250 w 1,450			250 v-1.5		WIND	Wilmington, Del., T-Edge Moor 100 m Gary, Ind. 1km New York, N. Y T-Carlstadt, N. J. 564w	
WOMS		250v 1,450 250v 1,356	WEED	Chicago, III. Greenville, M. C. Boston, Mass., T-Weymouth	100w 109=	1.210	WIOD-	T-Caristedt, N. J. 569w Mismi, Fle. 1kw T-Mismi Seach	1,150 1,30g
WBO Q-W	T-Cliffside, N. J. ABC (See WAEC-WBOQ) Terre Haute, Indiana Birmingham, Ala.		WEEL	Roston, Mass., T-Weymouth Rosding, Pa.		590 930	WIOD- WMBF WIP WIS		610
WBOW	Ferre Haute, Indiana Birmingham, Ala.	100s 1,310 500s 930 w-LS	WEHC	Boston, Mass., T-Weymouth Roading, Pa. Ensery, Va. (transmitter and s Charlesville, Va Cicere, III.	steefin 8. j States	1,350			1.019
WRRE	HENOLOGIA DOLLAR DA	x-LS 109w 1.310 500w 920	WEHS	Giotre, III. Battle Creek, Mich.	100m 50w	1.420	WISN WJAG WJAG	Johnstown Pa. 100m	1,120 1,310 1,060
WESO			WELL WENC WENR	Americus, Ga. Chicago, Ill., T-Downers Grav	100w on 50kw	1,429 870 1,420	WJAG		1,060
WBTM	Danville, Va. Boston, Mass., T-Millis Twp.	100er 1,370 25km 990	WERE WESG WEVD	Erie, Pa. Elmira, N. Y., T-Ithaca	100 sc 1kw		WJAS	250w Additional night	1,290
WBZA	Boston, Mass., T-East Springfield	Ikw 990	WEND	New York, N. Y., T. Brooklyn St. Louis, Mo.	500nc	1,360 760 1,310		T-North Fayotto Ywp. 319kw-L6	900 610
WCAD WCAD	Stores, Conn. Canton, N. Y.	500hr 1 993	WEW WEXL WEAA	Royal Oak, Mich. Dallas, Texas, T-Grapevine	50km	1,310	WJAX WJAY WJAX	Cleveland, Ohio 500 w La Saile, III. 160 w	1.200
	Springfield Storrs, Conn. Canton, N. Y. Pittsburgh, Pa. T-Baldwin Twp. Columbus, Ohie	Ikw 1,220	WFAB	Battle Creek, Mich. Americus, G.B. Chicago, Ill., T.Downers Gree Erie, Pa. Elmira, N. Y., T-Hhage New York, N. Y., T-Booklyn St. Louis, Mo. Royal Ozk, Mich. Dallay, Teras, T-Grapevine New York, N. Y., T-Garbiadt. South Bend, Ind.	tkw	1.300	MIBI	La Saile, IH. 160s Rod Bank, N. J. 100s	1,210
WCAH	Columbus, Ohie	500w I.439	WFAM	South Bend, Ind.	100*	1.209		(Continued on page 9)	_
									7

RUDY VALLEE... turned on the old gramophone in his home state of Maine, heard Rudy Wiedoett playing the asxophone and then and there decided to study the saxophone and become an orchestra director. His father was 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.

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 saide being a nun to take a fling at the stage. The lovely Jessica was born in Calcutts. India. While very young, she was placed in Georgian Court command Lakewood, New Jersey, where she was round at Lakewood, New Jersey, where she was tist 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 MEC.





HEIGH-HO



HUSKY SOULFULNESS

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 Cocohe was started making phanograph 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 teacher in a college. She studied hast from her mother; then at the Cincinnati Conservatory of Music where Powell Crosley, Ir., president of WLW, heard her sing at a party and signed her up. Latter NSC and then CSS got her. Despite programs than any other girl sporans on more programs than any other girl sporans on more more programs.



Our Radio Log

					(Continued from page	ge 7)					
M1BK M1BK	Detroit, Mich., T-Highland Park Decatur, III.	50w 100w	1.370	WNBW	Carbondalo, Pa.	10w 100w-Ls	1,200	WTAG	Worcestor, Mass.	250u LS (exp.)	690
MIBO	New Orleans, La., C.P. Baton		1.420	WNBX	Springlistd, Vt.	250w 50w	1.260	WIAM		Mai (esp.) 80km	1.070
W/BO			.,	WNEL	Saranse Lake, N. Y. San Juan, P. R. Newark N. J	500w 250w	1.290	WTAQ	Y-Brecksville Village Ear Claim, Wis., T-Twp. of	4-11.	-,
WJBY	New Orleans, La. Gadsden, Ala.	w001	1.200	WNOX	Knoxyille, Tenn.	250 er Ukw 2kw-LS	1,450 500	MTAR	Washington Norfolk, Va. College Station, Texas Springfield, III.	1kw 500w	1,330 780
MADX	Jackson, Miss. Hangestown, Md.	1kw 100w	1.270	WNRA			1.420	WYAW	Cellege Station, Texas Springfield, Ul.	500w 100w	1,120
WJEM	Tupeto, Miss.	500w	99n 1,370	WNYC	Florence, Ala. Now York, N. Y. San Antenio, Tex., T-Seima HEC (See WHEC-WOAN) Call letters changed to WTNJ Charleston, W. Va.	Solver	810	WTBO	Cumberland, Md.	100w 250w-LS	1,420
MAN	Williamsport, Pa. Mooseheart, Ut. Call letters changed to WIND framend. Mich	206 w	1.130	WOAN-W	REC (See WREC-WOAN)	306 H	1,190	WTEL	Philadolphia, Pa.	100w:	1,310
WJKS	trenweed, Mich.	100er	1.420	WORK	Charleston, W. Va.	250w 500w-LS	580	WTIC	Athens, Ga. Hartford, Conn., T-Avon Jackson, Tenn.	SGK w	1,480 1,060 1,310
	Ironwood, Mich. Detroit, Mich., T-Sylvan Lake Village	10kw	730	woo	(Consolidated with WHO)	500w-LS		WTJS		100w 250u-LS	
WJSV	Alexandria Va. Oglethorpo University, Ga.	10km	1.460	WOCL	(Consolidated with WHO) Davenport, lows, T-Mitchelivi Jamestown, N. Y. Paterson, N. J.	Ble 30km	1,000	WTMJ	Milwaukee, Wis,	1kw 214kw-LS	620
WIW		100 a	1,370	WODA	Paterson, N. J.	lkw	1,250	WTNJ	T-Waukesha Trenton, N. J. Sayannah, Ga.	500w 500w	1,280
WJZ	Akren, Ohio New York, N. Y., T-Bound Brook, N. J. S.A. (exp.) San Joan, P.R.	100%			C.P. consolidate WODA and WAAM: T-mear Carl-			WTRC	Elkhart, Ind.	50w	1,319
WKAR	New York, N. Y., T-Boand Brook, N. J. S.A. (exp.) San Juan, P.R. E. Lansing, Mich. Lacorda, N. H. Joliet, Ill., C.P.E. Dubuquo C.P. L. Birmingham, Ala. Indianapolis, Ind., T-Indianapolis.	Ikw	760 1,240		C.P. consolidate WODA and WAAM; T-near Carl- stadt, N. J.; studio Now- ark; Power 2!; km-LS.			WTSL WWAE	(Call letters changed to WA	100 g-LS ML)	
WKAR	E. Lansing, Mich. Laconia, N. H.	1kw 100w	1,040	WODX		500wi	1,410	WWAE WWJ WWL	Hammend, Ind.	100w Else	1,209 920
WKBB	Jeliet, III., C.P.E. Dubuquo	100w	1.810	WOKD	Ames, Iewa Albany, N. Y.	5kw 600w	640 1.440	WWL	Hammend, and. Detroit, Mich. New Orleans, La., T-Kenne Achavilla, N. C.	10kw	859 870 1.500
WKBC	Birmingham, Ala.	100w	1,310	WOL	Ames, lowa Albany, N. Y. Washington, D. C. Manitowac, Wis. Grand Rapids, Mich.	100w	1.310	WWRC WWRL WWSW	Asheville, N. C. Waadside, N. Y. Piltsburgh, Pa.	100s 100s	1.500
WKBF WKBH	C.P. 1 Birmingham, Ala. Indianapolis, Ind., T-Indianapolis. La Grasse, Wis. Cicera, Ill.	1km	1.5Sm	WOOD	Grand Rapids, Mich.	500w 100w	1,270		T-Wilkinsburg	250w-LS	
WKBI	Cicero, III. Youngstown, O.	500 w	1,420 570 1,310	woo	Bristol, Tenm. Kansas City, Mo. Newark, N. J., T-Kearny	tlew	1,300	WWVA WXYZ	T-Wilkinsburg Wheeling, W. Va. Detroit, Wich.	5kw 1kw	1,160
WKBS WKBV	Galesburg, IR. Connersville, Indians	100w 100w	1,310	WOR	Newark, N. J., 1-Kearny	P. solew	710				
WKBW	Comers, In. Youngstown, C. Galesburg, IR. Connersville, Indiana C.P.—T. S. studin Richmo Buffelo, N. Y., T-Amkerst	end		WORK	Worooster, Mass., T-Auburn Yerk, Pa., T-W. Manchester Jefferson City, Mo. Columbus, Ohio New York, N. Y. T-Secaucus, N. J.	100w 1kw	1.200		U. S. Station	s	
			1,480	WOS Wosu	Jefferson City, Mo.	500w 750w	630 570	(Ar	ranged According to	Kilocycles	.)_
WKBI	Ludington, Mich. La Grange, Ga. Groonville, Miss.		1,500	wov	New Yark, N. Y.	lkw	1,130	Ontario-V	Vindsor (CKL,W)		5,060
WKJC WKJC	Greenville, Miss. Lantaster, Pa.	Little Little	1,210	wow	Omaha, Mehr.	Desc	590	Hinnis-Ch	559 KILOCYCLES	. Dave	2.500
WKOK	La Grange, Ga. Greenville, Miss. Lancaster, Pa. Lewishure, Pa. T. & Sudio Sanbury, Pa.	100w	1.210	WOWO	Ft. Wayne, Ind.	100 w	1,160	Minds C	Lines (WROO)	Night	r 1,000
WKRC	Cintinnati, O.	500v	860	WPAP-W	Omaha, Mebr. Ft, Wayne, Ind. Padocali, Kg. QAO (See W QAO-WPAP) Chicage, Ili. New York, N. Y., T-Flushing	500a	560	Missouri-	St. Loois (KFUO)	Days	1.000
WKY WKZO WLAG	Oklahema City, Oklahema Kalamazoo, Mich. Nashville, Tenn. Louisville, Ky.	11cw	90:1	WPCH	New York, N. Y., T-Flushing	56Hbs	520	Missouri-	8t. Louis (KSD)	:Nigtii	. 500
WLAG	Nathville, Tenn	5kw	500 1,470	MARIN	Prisadelphia, Pa.	100w 250w-LS	1,500	North Dak	-Buffalo (WGR)otq-Bismarek (KPYR)	Dave	2,500
WLAP			1,200	WPFB	Hattiesburg, Miss. Allantic City, N. J. Potersburg, Va., T-Ettrick	100w 5kw	1.370	Ohio-Cin	imunti (WKRC)	Night	5 1,000
WLB			1,250	WPHR	Potersburg, Va., T-Eltrick	100w 250o-LS	1,200	Oregon-C	orvalli (KOAC)		1.000
WLBC WLBF WLBL	Muncie, Ind. Kansas City., Kansas Stevens Point, Wisconsin, T.Nr. Filis	100w	1,420	WPRO	Providence, R. L. T-Pravident	pe 100w	1,210	Vermout -	Waterbury (WDEV)		500
WLBW	T-Nr. Ellis 2 Erle, Pa., T-Summit Township	lighter	900	MADW		Ikw 250w	500 830	Çalifornia-	-San Francisco (KTAB)		1.000
			1.260	W QAM W QAN W QAO	Screnton, Pa. New York, N. Y.	250w	1,010	Florida—N	ranged According to see KLOOVELES Lindoor (CNLW) Lindoor (CN		. 1,000
WLZB	Uhara N. Y.	500w 50w	620	WORD	T-Cliffside, N. J. Vicksburg, Miss.	500 ec	1,360	Indiana—C	lary (WIND)	Days	1,250 br 1,000
WLEU	Erie, Pa.	100w 0x-LS	1.420	WODM	St. Albans, Vt.	100v 100w	1,370	Penesylvar	ia-Philadelphia (WFI)		500
WLEY	Loxington, Mass.	100w w-LS	1,370	WBAK	Williamsport, Pa. Williamsport, Pa. Wilmington, N. C. Beading, Pa. Philadelphia, Pa.	100w	1,210	Tennessee-	nin — Philadel phia (WFI) inia — Philadel phia (WIIT) —Know ville (WNOX) attmost (KFDM)	Days	2,000
WLIT	Ptriladeinhia, Pa.	500w	560	WBAW	Beading, Pa.	100sc 250sc	1,370 1,310	Texas—Be	atment (KFDM)	Days	1.080
WLOE			1.500	WRAK	Columbus, Gr.	100w	1,020		570 KILOCYCLES	Nighi	r 500
WLS WLTH	Chicago, III., T-Downers Grove Call letters changed to WARD	50% w	870	WRBX	Roznoke, Va. Washington, D. C.	250w 500w	1.410 980 1.370	California - New York	-Los Augeles (KMTR) -New York (WMCA-WPCH		500
WLVA		100w 50kw	1,870	WRDO	Philadelphia, Pa. Columbus, Ga. Roanoke, Va. Washington, D. C. Augusta, Me. Augusta, Ga.	100 w	1,370	New York	F70 KILOYGLES Los Augeles (KMTf() New York (WMCL-WIYE Syracuse (WMAC) Syracuse (WSVR) sinsa—Ashevitle (WWNC) nabus (WOSO) naplus (WOSO) tally (WKBN) ta—Yaukton (WNAX) cehita Falis (KGKO)		250
WLWL	New York, N. Y., T-Kearny, N. J.		1,100	WREC	Y 14th Cale and	500s Ikw-LS	600	North Care	dina-Ashcvitle (WWNC)		1,000
WMAC-W	SYR (See WSYR-WMAC)	250w	630	WREN	Lawrence, Kansas, T-Yongano Minneapolio, Minn., T-Fridley	xie Ikw	1,220	Ohio-You	ngstawn (WKBN)		. 500
WMAL	50	tiw-LS	670	WBHM WBJN	Bacine, Wis.	100m	1,379	South Dak	ota—Yankton (WNAX)	Nigh	2.500 to 1,000
WMAQ	Chicage, III., T-Addison Sorinaticid, Mass.	100nc	670 1,429	WRNY	Ratine, Wis. New York, N. Y., T-Boytesyille, N. J.	250w	1,010	Texas—Wi	tehita Falls (KGKO)	Daya	500 a 250
WSIAZ	250	w-LS 500w	1.130	WROL	Knoxyste, 1eno.	100 m 500 m	1,310	Washingto	n-Tocoma (KVI)		. 500
WMBC	Detreit, Mich.	100w	1,420	WRUF	Gainesvills, Fla. Biohmand, Va.	ākw	830	California-	-Fresne (KMJ)		. 500
WMBD	Pensia III. T. Pensia	500sc w-LS	1,440	WSAI	Gainesville, Fta. Richtmand, Va. T-Mechanicsville Cincinnati, O.	5kw 500s	1.110	Kansas-N	n—Tecoma (KVI) frame (KVI) fresne (KMI) facto (WDEO) lanhattae (KSAC)	Days	1,000
WMBF-W	ION (See WIOR-WMSF)			WSAJ	T-Mason	1kw-LS	1.310	Kansas-T	opeka (WIBW),	reight	1,000
WMBG WMBH	Richmond, Va. Joplin, Mo.		1,210	WSAN	T-Misson Grove City, Pa. Allastown, Pa. Fall River, Mass. Huntington, W. Va.	100w 250w	1,440	Massachus	opeka (WIBW), etts—Woreester (WTAG)	Days Night	500 te 250 500
WARI		No.	1.080	WSAR	Fall River, Mass. Huntington, W. Va.	260w 500w	1.450	W. Va.—C	harleston (WOBU)	Days	500 ts 250
WMB0		100w 100w	1,310	WSB WSBC	Atlanta, Ga.	50kw 100w	740	Maccachus	590 KILDCYCLES	1.40	1.000
WMBR		100w 500w	1,310 1,300 1,370 780	WSBT	Atlanta, Ga. Chicago, III. South Bend, Ind. Columbus, O. Montgomery, Ala. Springfield, Tenn.	500w 100w	1,230	Michigan	Kalaniazoo (WKZO).		1,000
WMC	T-Barlett	w-LS	570	WSFA WSIX	Montgomery, Ala.	500w	1,410	Nebraska-	Omnlia (WOW).		1,000
WMCA	Call letters changed to WNRA	500w		WSJS		100w 100w	1810	Washingto	a-Spokane (E.HQ)	Nigh	2,000 ts 1000
WMIL	Brocklyn, N. Y. Fairmont, W. Vs. 500v	100w 250w	1,500 890	WSM WSMB	Nashville, Tenn., T-Franklin New Orleans, La.	50kw 500w	650 1.320	California-	hartesten (WORU) See Killorytles tts—Boeton (WEED) tts—Boeton (WEAD) Linceln (WCAD) —Spokase (KHO) —Spokase (KHO) —Bridgeport (WTCC) —Bridgeport (WTCC) —Bridgeport (WTCC) —Belltimore (WCAD) —Meophia (WHEC)		1.000
WMDC	500w		1.500	WSMK	Dayton, O.	200w	1,380	Connection	t—Bridgeport (WICC)	Days	500
WMSG WMT	New York, N. Y. Waterlee, Iowa Baston, Mass., T-Quincy	250w 500w	1,350	WSPA			1,420	Connection	t—Stores (WCAC)		250
WMAC	Boston, Mass., T. Quincy	1kw	L230	WSPD	Toledo, Ohio	100 w 250 u - LS 1kw	1,420	Maryland-	-Baltimore (WCAO)		250
WNAD	Yankton, S. D.	Ikw	1.010 870	WSUI	Totedo, Unio Town City, Iswa FLA (See WFLA-WSUN)	500w	1.840	1,601(083-60-	-stempins (WREC)	Daya Nigh	ta 500
WNRF	Rinnhamton, N. Y.	wLS 100w	1,500	WSUN-W WSVS	FLA (See WFLA-WSUN) Buffaio, N. Y. Buffand, Vt.	50 m	1.370	California-	San Francisco (KFRC)		. 1.000
WNBH	New Bedferd, Mass.	100w	1,310	WSVS WSYB WSYR-	Butland, Vt. Syratuse, N. Y.	100w 250w	1,500	Miscouri-	Kansas City (WDAF)		1,000
WNBO	Silverhaven, Pa. Memehis, Tenn.	100w 500w	1,200 1,43D	WMAC	Quincy, III.	500 m	1,440	Pennsylvan	Sie KILOCYCLES San Francisco (KFRC). Kansas City (WDAF). reland (WJAY). iii—Philadelphia (WFAN). iii—Philadelphia (WIP).		. 50n
WHON	recomplist, 1610s.		-,400		y	****	.,	. canagarya	a someophic to all harman		9
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RADIO LOG

618.5 KILOCYCLES Philippine Islands—Manifa (KZRM)
Arizona—Phoenix Ca Late)
Florida—St. Petersburg (WSUN)
Maine—Bangor (WLBZ) Nights 1,800 Oregon—Portland (KGW) 1,900 Wisconsin—Milwarkee (WTMJ) Days 2,500
Nights 1,000
D. C.—Washington (WMAL)
Indiana—Erunsville (W(iBF)
Indiana
lowa—Auce (WOI). 5,000 Ohio—Columbus (WAIU). 500
Teamesen—Nashville (VSM)
Sed KLOCYCLES
Westington—Seattle (KPAS) 100 Nebraska—Omaha (WKAH) 540 New York—New York (WSAP) 5,000 10 Innes—Chicago (WAA) 5,000 10 Innes—Chicago (WAA) 5,000
10 KILDCYCLES Himsis—Chicago (WMAQ)
S80 KILOCYCLES Cetifornia—San Emeriseo (KPC). 50,000
Sab Kilocycles Sab
Oldo-Cincinnati (WLW)
California—Beverly Hills (KM PC) 500
California Reverly Hills (KM PC)
720 KILDCYCLES
740 KILOCYCLES 25,000
Georgio—Atlanta (WSB)
T20 KILOCYCLES
750 KILDGYCLES Michigan—Detroit (WJR)
Michigan
Missouri—St. Louis (WEW). 1,000
Missouri—St. Louis (WEW) 1,000 New York—New York (WZ) 50,000 Washingtoα—Scattle (EXA) Days 400 Nighton 400
Htinois—Chiesgo (WBBM) 25,000 Kebraska—Lincoln (KFAB) 5,000
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.



LANNY ROSS ... was born in Seattle, Wash., in 1906. Made his Seattle, value his 1906. Made his stage bow at age of 2, played with Ben Greet Shakesperian 2+ 4 Graduplayers at 4. Gradu-ate of Yale where he 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 violit. It soon. The state of the control when he was 12.

MORTON DOWNEY ... vocalist



for Paul Whiteman, didrecording, 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
785 KILOPYCLES
Constorma
Virginia—Norfolk(WTAR).
Virginia
Toron For Worth (WPAP) 50 000
Tenas—Dallar (NFA) (NLOVCLES Tenas—Dallar (NFA) (NLOVCLES Tenas—Par World 81 KH, DOVCLES 50,000 New York Finaking (WPCD) 500 New York New Yor
820 KiLOCYCLES Kestucky—Louisville (WHAS). 25,000
California
######################
\$70 KILOCYCLES
California—Oakland (KLX)
taights ion
Penusyl vanits
Georgia—Atlanta (WGST). Days 499 Nights 230 Illinois—Urbana (WILL). Days 360
Idwa—Shenandonh (KFNP)
Rhode Island—Providence (WJAR)
W. Va.—Pairmont (WMMN) Days 500 Ninkia 950
California-Lee Assertes (KHJ) 1,000 1,00
Pays 300
Columbio Deriver (KFEE) 500
Washington—Service (Mariety)
California—Oakhand (KROW)
Catifornin—San Francisco (KPWI). 509 Iosa—Shenandosh (KMA). Days 1,000
Virtus 500
AND MIN DONOLES 200
Kentucky—Hapkinsville (WFIW). 1,000 Maioc—Porthani (WCSII) Days 2,500 New Jersoy—Jersey Gity (WAAT). 500
North Dakota Farga (W)AY) 1,000
Nighta 1099
S70 KH.OCYCLES
980 KILOCYCLES Pennsylvania—Pittsburgh (KDKA)
Massachusetts—Boston (WBZ) 25,000 Massachusetts—Boston (WBZA) 1,000 Mississippi—Tepelo (WJEM) 500 1,000 KILOCYCLES
Walningson-Seatle Col 101 100
1,016 KILOCYCLES 1,016 KILOCYCLES 500 500 1,016 Kilocycles 500 1,000 1
New York—New York (WPAP) Nights SiQ New York—New York (WHX) 250 New York—New York (WQAO) 250
•

New York - New York (WRNY). **Alghorox - Norman (WNAD). South Carolina - Columbia (WIS). Days Nights	250 500 1,000
1,020 KILOCYCLES	0,000
	0,000 1,000 1,000 0,000
Fexas—Delias (ERLD) 1,090 KILOCYCLES !alifornia—Los Angeles (ENX). Santas—Abilcoe (EFBI)	0,000 5,000 0,000
Connecticut—Hartford (WTIC). duryland—Bultimore (WBAL). Vebraska—Norfolk (WIAG).	0,000 0,000 1,000 500
llinois—Tuscola (WDZ)	100 50 100
Bhois Zim (UCDA)	8,000 5,000 5,000 5,000
carth Carolina	3,000 0.000
verti Corrillan — Giopiese (WYT) All Minner — St. Tan. 1898 KLIOVVILS All Minner — St. Tan. 1998 KLIOVVILS All Minner —	250 5,000 5,000
outh Dukota—Sioux Falls (KSOO)	2,500 5.000
Litzo REDUTELES Salifornia—Los Angeles (RFNC) Salifornia—Los Angeles (RRCD) Delaware—Wilmington (WDEL) Days	500 500 300
Mindsone—Bit (R.S.). Visit Malacone—Bit (R.S.). Visit Mindsone—Mindsone—Mindsone Mindsone—Mindsone Mindsone—Mindsone Mindsone—Mindsone Mindsone—Mindsone Mindsone M	250 160 560 560 100 100 230
Viscondin—Milwaukos (WISN) 1,130 KILOCYCLES Hinois—Mosseksart (WJJD) 2	250
	0,000
Habama—Bernangham (WAPI). C.P. 2 Riahoma—Tulsa (ICCO). C.P. 2	5,000 5,000 5.000
1,150 KILOCYCLES New York—Rochester (WHAM)	5,000
rdiana—Fort Wayne (WOWO)	0,000 5,000
1,170 KILGCYCLES Onnsylvania—Philadelphia (WCAU)	0,000
regin—Portland (KEA)	500 500 500 500 500
1,390 KillOFOLES	0,000 0,000
.bshama—Hentsville (WBHS)rksnass—Little Rock (KGHI)rksnass—Paragoold (KBTM).	100 100 100 100
trail—sain Alabasa (WAA). Labaras—Harlardi (WAA). Alabaras—Harlardi (W BES). Alabaras—Harlardi (W BES). Alabaras—Harlardi (W BES). Alabaras—Harlardi (BEF). Banas—Lalardi (BEF). Banas—Lalardi (WAE). Banas—Lalardi (WAE). Alabaras—Harlardi (WAE).	100 100 1:0
nterado—Grand Junction (KFX3) olorado—Yuma (KGEE), corgia—Culumbos (WRBL) dato—Nampa (KFXD)	100 100 100 100
linois—Deratur (WJBL). linois—LaSpile (WJBC). shinta—Limmond (WWAE). dinna—South Bend (WFAM).	100 100 100 100
	250 100 250
sapisann—Mource (KMLB), nuisinasi—New Orleans (WBBX) onisinasi—New Orleanis (WJBW), laine—Bungus (WABI), semen huserite—Worcester (WORC)	100 100 100 100 100 100
Figure - St. Toxis (KPWP)	100
Nighta	100 100 300
blo-Canton (WHBC). Nights	100
htshom:-Pones City (WBBZ). Nights	100 100 100
consylvania—Harrisbarg (WCOD) Nglis 1 cansylvania—Lancator WK3C), cansylvania—Silves laves (WNB), cansylvania—Silves laves (WNB), cansylvania—Greesville (WFBC), Days	10 100 100 100
outh Caronna—Greenville (WPBC). Hoys outh Dakota—Huron (KGDY). buth Dakota—Rapid City (WCAT). ermont—Burlington (WCAX).	100 100 100 100 100

RADIO LOG

	RADIO LOG	
Vermost—Springfield (WNBX). 250 Virginia—Petersburg (WPHR). Days 250 Virginia—Petersburg (WPHR). Nighus 100	Utah	PAUL WHITE
Wisconsin—Green Bay (WHBV) 100	Cadifornia—Los Angelsa (KGEF) LOCO	
Wisconsin—Jamesville (WCLI)). 100 1.210 KILOCYCLES Alabamas—Godsden (WJBV). 100	California—Los Asacéses (KFAC) 1,000 Florida—Missai (WIOD) 1,900 Karses2—Wiokitz (KFB) 1,000	1==
Alabama — Tray (WHET) 100 Arkansa — Fort Smith (KFPW) 100 Californi — Farck (KFFW) 100	Missenri Kansas City (WOQ) 1,000 New York Brooklyn (WBER) 1,000 New York New York (WFY) 500	1
California—Panadena (KPIC) 50 California—San Bernardino (KFXM) 100	New York—New York (WFAB) 1,600 New York—Teop (WHAZ) 500 Ortgon—Portland (KALE) 500	
Grocgin	Oregon—Portland (KALE) 500 Oregon—Portland (KPIE) 500	DAVID ROS
Hinois=Chicago (WSRC) 100 Hinois=Harrishurz (WEBQ) 100 Himois=Rock Island (WBBF) 100	Alabama—Birmingham (WKBC) 160 Alaska—Junésa (KIFII) 160	DAVIDROS
Illinois - Rock Feland (W132) 100 Illinois - Springfield (WCBS) 100 Dinois - Springfield (WTAX) 100	Arizona — Jerome (RCRJ). 109 California — Sacramento (RFBR) 109 Distrier of Columbia — Wadington (WOL) 100	
Blinois	Hinois = Gaiesburg (W.h.B.S) 100 Himois = Joist (W.C.S) 100 Himos = John (W.K.B.R) 100	1
Matyland - Hagerstong (W.E.) 109 Mississippi - Greenville (W.KFI) 100	Indiana - Elkhart (WTRC) Days 100 Nights 20 Indiana - Muncie (WLBC) 20 20	
Mississippi	Initiatin—Terre Haute (WB()W) 100 Iowa—Boone (KFGU) 100	176
New Jersey Red Bank (WJBI) Nights 100	Iowa—Oriumwa (WIAS) 100 Louiziana—Shreveport (KRMD) 100 Musenchusetts—New Bedford (WNBH) Days 250	
New York - Erresport (WGB) 100 New York - Irlane (WLCD) 50 New York - Jamestown (WOCl) 50	Michigan—Plint (WFDF) Nights 100	ED WYNN
New York - Jamestown (WCC) 50	Michigan - Pilot (WFDF) Nighty 104	
North Dakota—Devils Like (KDL)t 100 Ohio—Akron (WJW) 100	Michigan	1000
Ohio - Columbus (WSEN) 100 Ohio - Zames (De (WALR) 100 OE) journ - Elk Ciri (KASA) 100	Montana	452
Okhhoma—ER City (KGMP). 160 Origot—Klattnik Falls (KFJI). 169 Penseytvania—Willer Barry (WBAX). 100	Nebraska	-
Rhode i Isral—Pravidence (WPRO). 100 South Dakota—Watertown (KGCR) 100	North Carolina—Winston Salem (WSJS) Naghts 100	KATE SMITH
Termissec—Springfield (WSIX) 100 Virginia—Richmensi (WBBL) 100 Virginia—Richmensi (WBBC) 100	Ohlahoun—Ohlahoun City (KFXR) Days 250 Night 100 Oregon—Medford (KMED) 166	NATE SIGNATURE
Washington - Olympia (KGV) 100 Wisconsin - Manitowoo (WOMT) 100 Washin - Puynette (WBU) 100	Pennsylvania—Alteona (WFRG) 100 Pennsylvania—Grove Cit. (WSA) 100 Pennsylvania—Joinstown (WJAC) 100	The second second
t,228 KILOCYCLES Florids—Tampa (WDAE) L000	Pennsylvania—Lancaster (WGAL) 109 Pennsylvania—Philadelphia (WHA7) 100	DE 2
Konsis - Lawrence (KFKV) 506	Person	
Networks-Lineau (KV0H) Days 20	Tennessee—Jackson (WTJS). Days 250 Nights 100 Tennessee—Knoxville (WROL). 100	
Washington - Scattle (KTW) 1,000 1,230 KILOCYCLES	Tepassec=-Knowdile (WRO). 100 Texas=Dublis (KPFL). 100 Texas=52 Paso (KTSM). 101 Texas=52 Paso (KTSM). 100 Texas=54 Paso (WDAH. 100 Texas=5	Maryland—Baltimore (W
Alagkaj = Anchorage (KFQH) 250 California = San Francisco (KYA) 1,000 Influeza = Indianapolio (WFBM) 1,000	Texas—Greenville (KFPM) 15 Texas—Greenville (KFPM) 15 Texas—Labbook (KFPM) 1bays 25a	Massachusetts - Loxingto
Indiana—South Bend (WSBT)	Vinginia - Newport News (WGH) Nichts 160	Michigan Calquet (WH
1.240 KILOGYCLES	Washington—Yakima (GT). 100 1,320 KILOCYCLES Colonsdo—Pueldo (KGHF). Days 500	di krojgani — "anjase di Malegani — Detrini (W.IR Mielajan — Jarkino (W.IR Mielajan — Jarkino (W.IR Mielajan — Jarkino (W.IR Mielajan — Janti jedan — Mielajan — Mie
Idabs:-Tscin Fulls (KTFI) Days 1,800 Nights 500 Michigan-Detroit (WXYZ) L000	Nights 259	New Mexico-Clovis (KB New Mexico-Haton (KC
North Dakota	Nights 289 Louisdang—New Orleans (WSMB) Supplemental Supplementary Sup	New York—Bullalo (WSV New York—Glem Falls (Karth Carolina—Wilmin
Texas — Fort Worth (KT.). 1,000 1,250 KH.OCYCLES California — Long Bandi (KFOX) 1,000	Hawati Bonolalu (KGMB) 250 1,330 KILGCYCLES California San Diena (KCB) 1,500	North Dakots—Grand Fo Ohio—Mount Orals (WHI
Louisium - New Orleans (WDSU). 1,000 Minnesota - Minnespolar - St. Pant (WLB) 1,000	Habbs - Jodas Falls (KIT) 13.95 500	Otsinhouse—Oklahoma Ci
Minusata-Minusajekis-8t, Paul (WRHM) 1,090	Olios—Carcianati (WSAI)	Oblinhouse-Oklahoma Ci Oregon-Marshfield (KO Pomoylvania-Philadelph
Now Jersey-Newark (WGCP) Nights 1,000	Washington—Tacoma (KMO) 259) Wisconsin—Eau Chaire (WTAO), 1,880	Pennsylvania-Williamep Pennsylvania-Williamep
New Jersey - Patie son (WODA) 1,000 1,280 KILOCYCLES Arigana - Tueson (KVOA) 500	Washington—Taxoma ISM(9) Nigbb 226 Washington—Taxoma ISM(9) 290 Wiscossin—East Chaire (WTAQ) 1889 Sicossin—East Chaire (WTAQ) 580 Florids—Penacoda (WCO3) 590 flibe—Toduje (WSPI) 1990 Autington—Speciare (EFFY) 1990 Autington—Speciare (EFFY) 1990	Texas-Fort Worth (KFJ
New Jersey - Newark (WGCP) Nights Lings Sign New Jersey - Partie sorn WODA) 1,000 1,00	Washington—Spekane (EFPY). 1,000	Texas—San Angelo (KG) Texas—San Antonio (KM
Pennsylvania	Idalio—Brise (KIDO) 1,000 Missouri—St. Lenis (KWK) 1,000	Texas—San Antonia (EO Vermont—St. Albums (WO Verginia — Danville (WBT
Texas—Harlingen (KRGV) 300 Vermont—Springfield (WNBX) 250	Missouri	Varginia-Lynchburg (WI Washington-Everett (KI
Colorado—Colorado Springs (KVOR) 1,000 lova—Decordo (KGCA) 100	New York—New York (WMSG)	Washington-Walls Widl Wisconsin-Racine Will
Maryland		Nevada-Reso KOH Ohio-Dayton (WSMR).
PenneyPounal—Diet (V. 1879) 1909	Indiana, Gary (WJKS) Days 1.250	Penney Vennia—Phelholdely - Penney Vennia—Williamer Penney by nain—Williamer Penney by nain—Williamer Penney by nain—Williamer Penney by nain—Williamer Penney San America (KPL) Penna—Fort Worth (RF) Penna—San Angelo (KD) Williamer W
New Jersey - Carnetes (WCAP) Nights 1,600	Montana-Butte (KGIR) Dava 1000	Armona—Phoenix (KÖY)
New Jersey - Arbury Park (WCAP) Signit 1,099 New Jersey - Camden (WCAP) 500 New Jersey - Trenton (WCAP) 500 Temposee - Chattanooga (WDCD) Days 2,560 Nighta 1,000	New York—Syracuse (WFBL) Days 2,500 Sight, 1,000	Ohio-Cleveland (WHK)
Toron Dalles (WWR)	1,370 KILOCYCLES	Indiana—Hotshapolis (W Indiana—W. Lafayette : V New York—Brooklyn : W
1290 KUDČYCIES NUMEr 300	Armens - Fuscon (KGAR). Page 230 California - Beckeley (KRD) 100	Arkaneas—Little Rock (R Ohio—Cleveland (WHK) 1,400 Indiana—Ludisnapolis (W Indiana—W. Lafnyette (W New York—Broodlyn (W New York—Broodlyn (W New York—Broodlyn (W Oklahoma—Chickasha (h
Pentsylvania—Pittsburgh (WJAS) Days 2,500	California	
Porto Rico - San Tuan (WNEL) 500 Tenar - Galveston (KFUL) 500 Tenar - Galveston (KFUL) 500 Tenar - Gan Autonio (KTSA) 1,000	Town=Dox Moines (KSO) Days 250 Nuglius 100 Maine—Augusta (WRDO) 100	Alabama—Mobile (WOD)
	Total Control of the	(2.41

EMAN . . . 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.

S . . . tried his hand as a newsboy, reporter, actor and teacher beactor and teacher be-fore 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 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 head-gear. Fame was made first on the stage. Makes movies.

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

- State of the sta	-
ryland—Baltimore (WCBM)	250
	100
sachuretts - Loxington (WLEY)	250
Nights	100 250
bigair—Calumet (WHDF)	100
Nights	50
dogan-Detroit (WJBK))	100
higan Jackson (WIBM) sistippi –Hattiesburg (WPFB)	100
sosappe - Hattirsburg (WFC)	100
e Mexico—Clovis (KICA)	100
s Moxico Crovis (P.R.A)	50
w Moxico — ROM FRANCI w Mexico — ROM FRANCI w York — Buffallo (WSVS). w York — Gleen Falls (WGLO). the Caredina — Wilmington & KRAM).	SO
F 10FK -BHIBHID (M C) C)	50
A LOSS —Chena Lank Character Co. 15 Per	100
at Dalate Ownel Forks (KEIM)	1081
Mont Only (WHRD)	36H2
About Point (EC)1867 Days	250
o—Mount Orab (WHBD)	100
	\$1K)
non-Marabbold (KIXOS)	100
gon - Marshfield (KOCS) nogleania - Philadelphia (WDAS) Duys	350
	RKE
nstylvania-Williamsport (WJEM)	100
neylynnia-Williamsport (WRAK)	100
th Daketa - Mitchell (KGDA)	300
quessee—Memphis (WHBQ)	100
as-Fort Worth (KEJZ)	100
as-Galveston (KFLX)	100
useveraties—Williamsport (WLEA), useveraties—Williamsport (WAA), th Dakens—Mischell (KGDA), th Dakens—Mischell (KGDA), as—Fort Worth (KFLE), as—Caliveston (KFLX), as—Caliveston (KFLX) as—San Anglen (KGNL), as—San Anglen (KGNL), as—San Anglen (KGNL),	100
au - San Antonio (RMAC)	100
as—San Antonia (B.UNO)	100
mont -St. Atomic (WQDM)	100
CHORIZANYHE IN DI M	100
Cings - Lynchourg (W.C.)	30
Kinggoo - North (KVI)	100
elemeter Walls Walls (EU1)	100
energy Rarine (WHJN)	100
.as—Yan Antonio (EUNO). govern = 30. Album: WQD39. govern = 30. Album: WQD39. govern = 30. Album: WQD39. govern = 30. Album: WWTAN bington = Seattle (WUD bington = Will willia (KU). consta—Racine (WHN)	
Cada-Reso KOH	500
o-Dayton (WSMR)	200
nsylvania-Pittsburgh (KQV)	500
radis—Reso. KOH o—Dayton (WSMR) may banka—Pittebergh (KQ) coussi—La Cresse (WKHH) 1,888 (KHGOYCLES	,000
1,890 KILOCYCLES	
	500
	1000
o-Cieveland (WHK)	.000
o-Cleveland (WHK)	LOOK!
THE KILDETOLLE	5(0)
iana — Indianapolis (WKBF) iana — W. Lafayette (WBAA)	360
w York—Brooklyn (WARD) a York—Brooklyn (WBRC) baltom—Chickasha (KOCW Days	500
Vorb_Readler (WRRC)	500
Vork-Brooklyn (WFOX)	500
aborna-Chickasha (K) CW Dava	5493
	250
du-Dedex (KTO)	500
1.410 KILDCYCLES	
homa—Mobile (WODX)	590
(Continued on page 18)	

Behind 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 Westleghouse Lamp Works and has had seven years experience in tube manufacture.

J. H. Lessett, Foreman of Stein Making Department has supervised operations which range from recount tubes to stant locomotive headlight lamps during the post twenty-four years.



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

Our Radio Log

	(Continued from page 11)	
Alabama		50 B. Columbia—Vancouver (CKMO) 100 90 Quebre—Montreal (CKAC) 5.090
Massachusetts Borron (WAAB) 500 Michigan Bay City (WBCM) 500		
Texas—Amarilio (EGRS) 1.000	Minnesota—Moorhead (KGFK)	Maritana Williapeg a NAW.
Texas — Amarille (WDAG) 1,968 Virginia — Rounoke (WRBX) 250 West Virginia — Bluefield (WHIs) 230	Missasippi—Kascinsko (WHEF) Days Nighte	50 880 KILOCYCLES 09 Manitoba—Winneper (CJRW). 1,000
West Virginia—Bluefield (WHIS) 250 Wisconsin—Sheboygan (WHBL) 500	Missouri—Grant City (KGIZ) Nebraska—Srottableff (KGKY)	80 Nova Senta—Sydney (CICB
Alabama—Anniston (WAMC) 100	Missouri—Grant City (RGIZ) Neteraska—Scotzbildt (RGKY) New York—Binghanton (WBF) New York—Brooklyn (WBRQ) New York—Brooklyn (WBRQ) New York—Brooklyn (WBRQ) New York—Woodlobe (WBRQ)	190
Alabama - Flerence (WNRA) 100 Arinoua - Yunua (KUMA) 100	New York—Brooklyn (WMIL) New York—Woodside (WWRL)	890 KJLOCYCLES
Arkansus—Texarkana (KCMC)	Pennsylvania—Pranastriptos (WPLN) Days Nights	50 Ostano—Hamilton (CHML)
Colorado — Laurar (KIDW)	Pennsylvania—Pittsburgh (WWSW)	50 916 KILDCYCLES 00 Manitobs—Winnings (CKY). 5,000
Delaware—Wilmington (WILM) 100 Georgia —Americas (WENC) 100		
West Arguests - Received at WIDS 200	Texus—Corpus Christi (KGFI)	50 S15 KILOCYCLES 60 Ontario—Kingston (CFRC)
Blineis—Cierro (WEHS)	Texas—Tyler (KGKB)	00 Nights 60
Iowa-Cestar Rapida (KWCR) Daya 250 Niglita 100	Vermont—Rudland (WSYB) Washington—Wenatchee (KPQ)	00 Manifelia - Brandon (CKX). 500 Outario - North Bay (CPCH) 190
Kanasa - Januara Cirr (WLBF) Ngulis 101	C	Outgrio-Prieralt (CFLC)
Louissan - Lewisburg (WJBU). 100 Louissan - Lewisburg (WJBU). 100	Canadian Stations	
Maine—Presque Isle (WAGM) 100 Maryland—Cumberland (WTBO) Days 250	CFBO Saint John, N. S. 199 1.1	60 Sackatelewan—Region (CKCK) 500
	CFCA Toronto, Ont. 560 1.	10 B. Celumbia - Vancouver (CKCD)
Massachusetts - Springfield (WMAS) 100 Mirilaran Battle Creek (WELL) 50 Mirilaran Datriel (WMAC) 150 750	CFCH North Bay, Ont. 100 CFCN Calgary, Alta. 10,000 Lt	B. Columbia - Vaneouver (CKWX) 100 Nova Scotin - Wolfvi le (CKIC) 50
V-1-2 100	CFCO Chatham, Ont. 100 1.5	10 STATESTANCE IN THE STATE OF THE STATE OF THE STATES OF
Michigan—Iranwood (WJMS) 100 Missouri—Jophin (WMSH) 15a) + 250	CFCY Charlottetown, P. E. I. 5(8)	So New Brunning St. John (1980) 100
Ni210 100	CFLC Prescott, Opt. 100	Ri Author Location C P. C.
New York Tupper Like WHDL 100 Uklabona Stawner (KGFF) 100	CFOC Saskatoon, Sask. 3(2)	100 KILDGAGE C
New york Angle Mark Mill New York Topper Ink WIDL Old Uldabora Stawner NGF	CFRC Kingston Ont. 200 CHGS Summerside, P. E. I. 100 []	B. Colombia - Canroller of RCC
		0 P. E. I Suturner bis CHG8 100
Sinha 50	CHMA Edmonton, Alta. 250 CHML Hamiton, Ont. 30 CHNS Halifax, N. S. 341	Quebec - Muniteral (CHLP) 1210 KILGCYCLES 100
Pennsylvania—Harleton (WAZL	CHRC Quebec, Que. 100 CHWC Beging, Sask 500 [1	New Brutowick - Professories (CFNB) 368
	CJCA Edmonton, Alta. 500	Ontario-Chatham CFCO 1910 KILOCYCLES
Trus - Sag Antonio (KABC) 193 Trus - Teuréana (KCMC) 193 Trus - Teuréana (KCMC) 195 Trus - Waco (WACO) 195 Wesonin - Foed da Lac (KFIZ) 195 (1,49) KHOLYGLES	GJCJ Calgary, Alts. 500	0 British Columbia - Kamboopi (CFIC)
Wrecosin - Food do Lac (KFIZ) 100 1,430 KILOCYCLES	CJOC Lethbridge Alta 2001 5	0 ISIO KILOCYCLES
California-Las Augeles (KECA). L000	CJOR Ventouver, B. C. 500 1. CJRM Moese Jaw, Sask. 500	
Nebrasilar—North Platte (KGNF)	UJHM Moose Jaw, Sask. 570	
Nebrasha — North Platte (KGNF) 550 New Hampeline — Manelouster (WFEA) 550 New York — Albany (WOKO) 500	CJRW Winnipeg, Man. 1,000 S CKAC Montreal, Occ. 5,000	0
Xybrasha — North Platte (KGNF) 699	CJRW Winnipeg, Man. 1,900 8 GKAC Montreal, Que. 5,000 5 GCD Vancouver B. C. 1600 1.0	Stations of Central America, Mexico
Nebrasha	CARW Winnipeg, Man. 1,000 S GKAC Monteal, Que. 5,000 S GKCD Vancorver, B. C. 100 1,0 GKCK Segina, Sazk. 2001 CKCL Toronto, Ont. 300 S GKCO Ottawa, Ont. 100 S	Stations of Central America, Mexico (Arranged Alphobetically)
New Hampelute—Manchester (WFEA) 500 New Yark—Allamy (W.OKO) 500 New Yark—Rochuster (WHEC) 500 Ohio - Cobantosa (WCAH) 500 Penney/vania—Harrisburg (WBAK) 1000 Penney/vania—Harrisburg (WHP) 10xy Penney/vania—Harrisburg (WHP) 10xy	CARW Wimping, Man. 1,000 S GARC Montreal, Que. 5,000 CCDD Vantouver, B. C. 100 1,0 GKOK Regins, Saix. 5071 GKOL Toronto, Ont. 100 GKOB Waterloa, Ont. 100 GKOR Waterloa, Ont. 50	Stations of Central America, Mexico (Arranged Alphobetically) Central America
Schemian - North Plates (EGN-N) 500	CJRW Winnings, Man. 1,000 S CAAD Morreal, Que 5,000 S CAAD Morreal, Que 5,000 S CAAD Morreal, Que 6,000 S CAAD Morreal, Que 6,000 S CAAD MORREAL CONTROL S CAAD S C	Stations of Central America, Mexico [Arranged Alphabetically] Central America Costa RICA TIES Pewer Kilocycles Carlage Carlage T
Tenuresse - Memphis (WNBR) 500 1,440 KILOCYCLES California - Oubland (KLS) 250 Illinois - Poeria (WMBD) 159.8 1,000	CARW Winnings, Mars. 1,0001 S 0KAD Marsell, Que. 5,000 S 0KAD Torons, Ont. 500 S 0KAD Torons, Ont. 500 S 0KAD Waterbay, Ont. 500 S 0KKO Waterbay, Ont. 500 S	Stations of Central America, Mexico (Arranged Alphabetically) Central America Costa RIGA TIFS Correct Costa RIGA TIFS Correct TIFA Corr
Tenuresse - Memphis (WNBR) 500 1,440 KILOCYCLES California - Oubland (KLS) 250 Illinois - Poeria (WMBD) 159.8 1,000	CJMW Winnipeg, Mrn. 1,000 S OKAD Montreal, Qut. 6, 5,000 Mrs. 5,000 Mrs. 6,000 Mrs. 6,00	Stations of Central America, Mexica (Arranged Alphabetically) Central America Costa RIGA TIFS Pewer Kilespois Tipa 15 5 5 11 11 5 5 5 5 5 1 11 5 5 5 5 5
Tennisset—Memphis (WBR) 500	CARW Wienings, Mrs. 1.000 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Stations of Central America, Mexica (Arranged Alphabetically) Cantral America Costra MIA Cirtupe Tiph T
Teaureset—Memphis (WBRI). 50. 140 W.ROUTES 250 Illianis - Preira (WBRI). 125, 1,500 Illianis - Postra (WBRI). 125, 1,500 See York—Allianis (WRI). 125, 1,500 See York—Allianis (WRI). 125, 1,500 See York—Allianis (WRI). 125, 1,500 See York—Carolina—Greensboro (WBRI). 125, 1,500 See York—See York 125, 1,500 See York—See York 125, 1,500 See York 125	CJRW Western, B.C. CCD Vascever, B.C. CCD Va	Stations of Central America, Mexico (Arranged Alphabetically) Central America Cetter 1718A 30 1011 Cetter 1718A 30 1011 THER 2 1011 THER 2 1011 THER 2 1011
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Teamers—Memphia (WARI) 500	CJRW Western, Barry 1,000 15 (CO) 10 (Stations of Central America, Mexica (Avranged Alphabetically) Central America
Teamers—Memphia (WARI) 500	CJRW Western, B.C. CCD Vascervit, B.C. CCD Vascer	Stations of Central America, Mexico (Arranged Alphabetically) Central America Cetter Tips 20 1,000 Station of Central America Cetter Tips 20 1,000 Tips
Teamers—Memphia (WARI) 500	CARW Winnings Man. 1,000 15 CC CO VANCOUNT R. C. C.	Stations of Central America, Mexica
Teamers—Memphia (WARI) 500	CJRW Western, B.C. CCCD Vascervit, E.C. CC	Stations of Central America, Mexica (Avranged Alphabetically) Central America (Avranged Alphabetically)
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Tenuros - Manghot (WARD) 500	CJRW Westers, BArn. 1,000 15 (CCD) Wester-Tr. 6. 100 15 (CCD) Wester-Tr. 6.	Stations of Central America, Mexica (Arranged Alphabetically) Central America Central America Central Tip State
Tenumes-Manghiet (WARR) 500	CATION Windings, Man. 1,000 15 (CO) 1	Stations of Central America, Mexico (Arranged Alphabetically) Central America Costra (Arranged Alphabetically) Costra (Arranged Alphabetically) Costra (Arranged Alphabetically) Son Jess (Arranged Alphabetically) Son Jess (Arranged Alphabetically) Son Jess (Arranged Alphabetically) Son Jess (Arranged Alphabetically) Title (Arranged Alphabetically) Guartemark (Arranged Alphabetically) Mexico (Arranged Alphabetically) Mexico (Arranged Alphabetically) Guartemark (Arranged Alphabetically) Mexico (Arranged Alphabetically) Mexico (Arranged Alphabetically) Guartemark (Arranged Alphabetically) Mexico (Arranged Alphabetically) Guartemark (Arranged Alphabetically) Mexico (Arranged Alphabetically) Guartemark (Arranged Alphabetically) Mexico (Arranged Alphabetically) Mexico (Arranged Alphabetically)
Tenumes-Manghiet (WARR) 500	CATION Windings, Man. 1,000 15 (CO) 1	Stations of Central America, Mexica
Features-Maniphi (WRI) Section	CATIO Wester, B.M. 1, 1000 15 (CO) 1	Stations of Central America, Mexica
Features - Manghot (WARI) 500	CARN Winning, Man. 1,000 GEO AND GEORGE GEO AND GEORGE GEO	Stations of Central America, Mexica
Features - Manghot (WARI) 500	CARN Winning, Man. 1,000 GEO AND GEORGE GEO AND GEORGE GEO	Stations of Central America, Mexica
Features - Manghot (WARR) 500	CARN Winning, Man. 1,000 GEO AND GEORGE GEO AND GEORGE GEO	Stations of Central America, Mexica
Features - Manghot (WARR) 500	CJNW Western, B.M. 1,000 15 (CO) 15 (C	Stations of Central America, Mexica
Features - Manghot (WARR) 500	CJNW Western, B.M. 1,000 15 (CO) 15 (C	Stations of Central America, Mexica
Features - Manghot (WARR) 500	CATION Western, Barrier, Barrier, Control of the Co	Stations of Central America, Mexica
Features-Maniphe (WRID) Sept.	CARD Wester, B. C. 1900 L. C.	Stations of Central America, Mexica

					RAD	IO FOE			
Mexico City Y-13	XEAD XEAI XEB XEFA XEG	250 169 10,669 580 209	875 1,090 1,000 1,250 1,075	2,342 3,075 3,124 3,186 3,256	W?XAW W9XL W00 PK2AG W9XL QZ7RL	Scattle, Wash. Chiesgo, Ill. Deal, N. J. Samarang, Jeva Chiesgo, Ill. Coponhagen, Donnark Decharitt, Germany Soure, Hayl Constantine Tumis, Africa	8,650 8,650 8,650 8,650	VESBY W8XAG W2XV W3XE W2XCU WSBN	London, Galaria Daylon, Ohia Long Idand Giy, N. Y. Baldmere, Md. Schenectaly, N. Y. S. E. Levisthan Carline, Marilla, P. I. Guatemala Eriy, C. A. Rusby, England Rusby, England Rusby, England Robot, Marceco Marine, Marilla, P. I. Guatemala Eriy, C. A. Marine, Marilla, P. I. Guatemala Eriy, C. A. Marine, Marilla, P. I. Guatemala Eriy, C. A. Marine, Marine, Marine, Marine, Marine, Marine, Marine, Marine, Marine, Marine, M
	XEK	100	999 711			Coponingen, Donmark Docharitz, Germany		WSXAC	Schenestady, N. Y. S. S. Leviathan
	XEFO XEP XETA	5,003 1,000	940 789	3,620 3,750 3,750	13RO F8KR	Borne, Italy Constantine Tunis, Africa	8,810 8,879 8,872	NAA	Arlington, Va. Cavite, Manifa P. I.
		250	1.149	4,105	WOO		8,92S 9,010	TG X GBS	Guatemala City, C. A.
	XETW	500	610 830 910		RV15	Khabatovsk, Siboria	9,200	GBS	Rugby, England
		500 2,000	1,210 638	4.490 4.760 4.760 4.760	RVIS BOA WIXAB WOO	Portland, Me.	9,230 9,300	GBK CNR GBC	Bodmin, England
	XFG XFI XFO	1,999 5,000	81S	4.760		Paris, France		GBC	Hugby, England
	XFX XEC	5,000 500 50	860	4.770 4.795 4.795	ZLZXX VESBY	Wellington, New Zestand Landon, Onterio	9,334 9,373	CGA EH90C VK3ME	Drummandville, Canada Borne, Switzerland
Tolura Y-12 HIDALGO			1,000	4,795 4,795 4,795	WSXL WSXX WSXAM	Chicago, III. Washington, D. C.	9,510	GSB CSB	Melbourne, Australia Dayentry, England
Pachuca Y-13 rc JALISCO	XETU	100	890		WSXXV OK1MPT	Elgin, III. Long Island City, N. Y.	9,510 9,520 9,530	GSB OXY WZXAF	Borns, Switzerland Moßbarren, Australia Daventry, England Skamleboek, Henmark Scheneckety, N. Y. Konlgywussterhausen, German Forman, Poland Springfield, Mass. Philodelphia, Pa. Dydney, Asstralia Geneva, Switzerland Bersen, Norway
Guşdaləjərə, Ja. X-10	XEA XED)	500 500	1,000	5.145 5,170	OK1MPT PM8 PMY	Prague Czechoslevskia Soprabaya, Java		WZXAF SRI WIXAZ W3XAU GSC VKZME	Konigswusterhausen, German Paznan, Poland
MICHOACAN Morelia, Mich. Y-12 NUEVO LEON Monterrey, N. L. U-13	XEI]	125	1 210	5.170	PMY OKIMPT	Bandoong, Java Prante Grechoslevakia	9,570 9,570 9,580	WIXAZ	Springfield, Mass. Philadelphia, Pa.
MUEVO LEON Monterroy, N. L. U-13	XEFS	160	1,315	5,550 5,710 5,714	OKIMPT WBXJ VESCL	Columbus, Ohio Winnings Canada	9,585	GSC VK2MF	Davestry, England Sydney, Australia
	XEFJ	100		5.714		Quite, Ecuador Sarranguilla, Colombia	9,599 9,599	HBL LGN	Geneva, Switzerland
PUEBLA	XET	560	1,132 690	5.557	HKD XDA HKO	Mexico City, Mexico	9,600 9,600 9,600	LQA	Buenes Aires, Argentina
	XETH	100	840	5,557 5,557 5,900 5,978 6,000	HVJ RV59	Vetican City, Italy	9,640 9,673	HSP2 TI4NBH	Bangkek, Siam
QUERETARO Queretaro X-12 br SAN LUIS POTOSI	XEFS	40	1,000			Tananarive, Madagascar	9,700	WMI	Deal, N. J.
San Luis Potoși W-12 t TAMAULIPAS Matantoros U-14 tr	E XEAC	1(4)	1,295	6,000	EAJ25 ZGE VE9CU	Drah, Merch, Stherie Deckeriti, Germany Ferland, Me. J. Payle, France Payle, France Payle, France Chicago, Ili. Ch	9,700 9,750 9,750	WMI WNC GBW	Regtry, England
Matamoras U-14 tr	XEM	500,000	660	6.065		Gargary, Canada Drummondville, Quebec	9,600 9,880 9,890	EAQ LSA LSN	magrid, Spain Buenos Aires, Argentina
N. Laredo S-13	XETM XEAS XEFE	150,000	845 1,450	6,028	XEM	Kosh Lumper, Malay Statet Calgary, Canada Drummendville, Quebec Zensen, Germany Mexico City, Mexito Calgary, Alberta Bosson, Mass. Miami Beach, Fla.		GBU	Ecenter, Swingerson Ecenter, Swingerson Engine, Area, Argentina Engine, Area, Argentina Engine, Area Engine
	XEFE	150,000 15,000	1,000	6,030	VE9GA WIXAL	Calgary, Alberta Bosion, Mass.	10,000 10,150 10,250	DIS	Belgrade, Jugo-Slavia Napen, Germany
Reynosa, Tams, T-14 Tampico, Tams, W-14	XEAW	70	965 1.240	6,040	WIXAL WAXB PKSAN	Miami Beach, Fiz. Sourabaya, Java		DIS TIANEH LSX	Heredia, Gosta Rita Buccos Aires, Arcentina
VERA CRUZ	XES	250	1,055	6,050	VE9CF GSA W3XAU	Hafifax, Nova Scotia Dayantry, Eppland	10,390	GBX	Rugby, Empland Rusnes Aires, Armentina
VERA CRUZ Jelapa Y-14 Vera Cruz, Ver. Z-14	XFB	500 500	1,290		WXXAU	Byberry, Pa.	10,410 10,410	KEZ PDK VLK WLO	Bolinas, Calif.
	XEU	300	1,010	6.0600 6.0600 6.040.0	CMCI VQTLO ZLZZX	Nairebi, Konya, Africa	10,540 10,540	VLK	Sydney, Australia
YUCATAN Merida, Yot. X-19	XEFG	105	1.02fr 546.S	6,063	WEXAL	Cincinnati, Ohio	10,630 10,630	PLR	Bandseng, Java
	Cuba	14.5	345.5	6.069	JB VESCS	Miami Bench, Fla. Sourabya, Jeu Haiflat, Nova Scotia Daventy, England Daventy, England Hayana, Cuba Hayana, Cuba Hayana, Cuba Haiflagton, N. Z. Wellington, N. Z. Notala, Swedon Johamushberg, South Africa Yacouver, Eritath Culumbia Yelman, Abribia Schizop, H. Dormas k Chicago, H. Dormas k	11,181 11,340	CTSAD	Funchal, Madeira
Calharian W.25	PMMO	250	950	6,652	UDR2	Vienna, Austria		DAN	Nordeith, Germany Mauen, Germany
Calbarion W-25 Comagney W-25	CM JE CM JE	150	1,382	6,073	WSXAA	Chicago, Ill. Bowmanville, Ontario	11,470 11,490 11,530	GBK	S. S. Elettra Bodmin, England
	CMJF	200	1,050		WSXAA VESGW WSXF	Bowmanville, Ontario Bowners Greve, III.		CGA K10 YVQ FYA PHI	Drummondville, Canada Kabubu, Hawaii
	CMJG CMJK CMJL		790	6,100 6,100 6,100	WESCF WSXAL VUC	Hulifax, Nova Scotia Bound Brook, N. J.	11,790 11,795 11,730	FYA	Meracay, Venexuela Paris, France
	CMJE	50 50 30 30	1,240		VESOS	Bowmanville, Ontario Downers Gerve, Ill. Hailitax, Nova Scotia Bound Brook, N. J. Caleutta, India Calgary, Alberts Caracas, Venocusia Eiffel Town, Paris Wayno, N. J. Johann Stung, South Africa Hailax, Nova Scotia Saxobber, P.	11,730	PHI VESJR	Huizen, Holland Winnipeg, Canada
Cardenas W-24 Ciego de Avlia W-26	CMUH	30	1.375	6.100 6,120	YVIBC FL W2XE	Caracas, Venezuela Eiffel Tower, Paris	11,750 11,750 11,700	VESJR GSD DJD	Daventry, England Zeesen, Germany
	CW10 CW10 CW1:	45 50	1,335	6,120 6,122 6,125	WEXE	Wayne, N. J. Johann shure, South Africa	11,760 11,780 11,790	XDA VESDR	Mexico City, Mexico Drummandville, Quebec
Cienfuegos W - 25		40 20 100	1,125 1,29 i 83 t 1,225		ZTJ VESHX W&XK	Hal-lax, Nova Scotia	11,790	WIXAL	Boston, Mass. Bowmanville, Conado
Colon W-24 Cruces	CMBA CMHK CMKJ		88 L 1,225	6,147	VESCL XIF	Winnipag, Canada	11,800 11,810 11,830	WZXE	Rome, Italy
Guantaname X-28 to Havena W-28	CMKJ CMAF CMAY	1,000 156	1,300		12R0	Rome, Italy Casablanes, Morocco Barranquilla, Colombia Bogola, Colombia	11,840		Chicago, III.
				0.230 5,243 6.270	HKD	Barranquilla, Colombia		GSE W8XK	East Pittsburgh, Pa.
	CMBD CMBD	156 225	1,270 985 1,079	6,335 6,382	VESAP HC1DR	Drummondville, Canada	11,876 11,890 11,996	W9XF FYA KK Q	Chicago, Iti.
		150	1,140 1,485 1,443		BV82 VERBY	Minsk, Hussia	11,945 12,000	KKQ	Bolines, Calif.
	CMBL	15 20 150	1,443	6,425 6,425 6,425	W3XL W3XL	Bound Brook, N. J.	12.045	FZ G NSS	Annapolis, Rfd.
	CMBR CMBS CMBW	40 150 150	1,485	6,425 6,438 6,515		Anoka, Minn. Moscow, Russia	12,045 12,150 12,150	NAA FQO, FQE G2S	Arlington, Va. Ste. Assise, France
	CMBW	150	789 925	6.660	WOD TGW HKM	Deal, N. J. Guatemala Dity, C. A.	12,150	PLM	Rugby, England Bandoeng, Java
	CMBZ	250 150 500	1,230	6,660	FSKR WND	Constantine, Algeria	12,250 12,250 12,250	GBS FTN GBU	Rugby, England Sta. Assisa, France
		150 150	840 1,230 1,070	6,753		Begola, Colombia Druminend-Ville, Canada Quifo, Sessador Autorio, Contario Seund Brook, N. J. Asoka, Minn. Mescow, Plassia Gustemsla Difty, C. A. Begola, Celombia Centishine, Algeria Deal, N. J. Paris, France	12,290 12,780 12,820	GRC	Bection, Meats, man for the form of the fo
	CMCA CMCB CMCCF CMCH CMCJ CMCM	250		6,860	Radio Vitus KEL F8MC		12,820	CNA W9XL	Babat, Morooco, Africa Anoka, Minn.
	CMCF	250 50	890 1,405		F8MC EARI10	colinas, Cain. Gasablanca, Merocco Maérid, Spain Lisbon, Portugai Maérid, Spain Begota, Gelombia Singapore, S. S. Zurich, Switterland	12,859 12,850 12,850	WZXCU WZXO CNR	Ampere, N. J. Schenectady, N. Y. Rabat, Morecto, Africa Deal Beach, N. J.
	CMCM	250 15		6,976 6,990 7,020	EAR110 CTIAA EAR125	Lisbon, Portugai Madrid, Spain	12,850 12,890 13,600		Rabat, Merecco, Africa Deal Resch. N. J.
	CMCN	250 1,000 150	1,405 925 780	7.140 7.195 7.220	VSIAB	Bogota, Colombia Singapore, S. S.	13, 680 14, 150 14, 420	KKZ VPD	Bolinas, Calif. Suva, Fiji Islands
		150	1,365	7,220		Zurich, Switzerland			Deal, N. J.
	CMCW	1.000	963	7,230 7,320 7,444	DOA 2TJ HBQ	Johannesburg, South Africa.	14,150 14,530	GBW LSA XDA	Buenos Aires, Argentinz
	CMDB	40 3, t5d	1.393	7,460		Lyons, France	11,620 15,600 15,675	CM6XJ T14N8H	Central Tuinucu, Cuba
	CMDB CMK CMQ CMW		730 630 600	7,490 7,520 7,530	CGE El Prade Y268	Corten, Switterland Donberitz, Germany Johannesburg, South Africa. Geneva, Switterland Lyons, France Calgary, Canada Riobamba, Ecoador Manual Lande Mania	15,075	JIAA HVJ	Deal Bengli, N. J. Bolinas, Culf. Surva, Fiji Islands Deal, H., Jelinds Deal, H., Jelinds Buenos Aires, Argentinz Maxico Gity, Musice Central Tumnose, Cubia Hercedie, Genta Rice Tyalican Gity, Italy Daventry, England Zecca, Germany Samahung, Pa. Wayne, N. J. Yyaly, Denmark,
Matanzas W-24	CMX CMGS CMGC	1.400 750 30	990 990 1, 203	7,612	RKE	Bagota, Calambia	15,120 15,120 15,140	GSF	Daventry, England
	CMGC	30	820 987	7,690	FTL	Koolwijk, Holland	15,200 15,210 15,240	MSXK	Samuhurg, Pa.
Moran	CMSF	100 18 7.5		7,770 7,770 7,799	PCK FTF HBP PDV	Ste. Assise, France Geneva, Switzerland		FYA W2XE	Paris, France Wayne, N. J.
Pinar del Rio W-22	CMJP CMAB CMHI CMKC		1.360		VO9 AAIL OGV	Kootwijk, Halland Takio, Japan	15,300 15,300 15,190	WZYAD	Lyngby, Denmark Schenectady, N. Y.
Pinar del Rio W-22 Santa Clara W-25 Santiago X-28 Tpimore W-25 re	CMKC	30	1,030	7,890 7,890 7,390		Riobamba, Ecuador Nueva Lurdo, Mexica Begota, Celembia Sten. Asther, France Kootwijk, Holland Ste. Asther, France Geneva, Switterland Kootwijk, Holland Tokio, Japan Strar, Fiji Islamds Doeberita, Germany Venna, Australia		JIAA	Lyngby, Denmark Schenectady, M. Y. Yokio, Japan Ste. Assise, France
	CMHC	250	790	S. [(k)	EATH PLW PRAG	Vienna, Austria Bandenno, Java	15,958	PLG NAA GBX	Bandyeng, Java Artigotan, Va.
Principal Short		Stations o	f the	8,450 8,550 8,570	PRAG	Doebertt, Germany Viones, Austria Sandsong, Java Porto Alegre, Brzził Ocean Gate, N. J. Khabarovsk, Siberia	16,150 16,150 16,200 16,300	GBX	Rugby, England
	World			8,570 8,630	WOO RVIS WZXDO WOO	Khabarovsk, Siberia Ocean Gate, H. J.	16,300 16,300	FZR WLD PGL	Str. Assise, France Bendbung, Jave Arlington, Va. Rugby, England Saigon, Indo-China Lawrence, N. J. Kootwijk, Helland
(Arrong Kilseroles Call Letters	ed by Kil	ocycles)		0.7290	WOO	Deal N	17,090	GBC	Rugby, England
1.550 WIXAU	Location Boston, I	Mass.		8,650 8,650	W3XX W4XG	Washington, D. C. Miami, Florida		(Continue	d on page 17)
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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







Special Installations Easy, Economical!

Parts iffustrated 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 bodroom, nursery, bathroom or den can be obtained at low prices. Send for free 10 page booklet on Ultra-Violet and what it can mean to you. STATIONAL VITALITY CORDORATION

Type D.30 Lamp-\$3.75	Tripe T-30 Transformer—\$10.00	Type X-30 Lamp—\$4.75			
Goggies-	-\$0.40				
Carrying C	use \$6.00				
	Lolare	Reflector=\$3.00			
Pro	et diship higher med of the	Rochies			

200 Madison Avenue,	New Yo	ork, N	Y.		
Gentlemen: Please send me you: Violet and Lederer L	r sixteen amps.	page	booklet	about	Ultra

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

RADIO LOG

BERT LAHR

Once radio's biggest flow. Now he's one of the head guys. Hert, as you know, je at least a vay for a flower of the way for a flower of the state of



PHIL BAKER

Tan avax from his home in N. V. when a hoy
to go to Bostow to earth fifty scatts in an audicut show. Years later than two became the
attent of Assaries. Now he's the Armour Jester
on NRU. For a time he was secretary to
Rich send his better time in thearten. One
stight the planter was till and Phil Jimaged into
the pit to they for the about thus, From
then on it was a steady childs.

AMOS 'N' ANDY are products of the interophone. In other morter they ritarted with radio and not on the state or mirries. Anney is Presumal Gendle state or mirries. Anney is Presumal Gendle for it is a mattive of Virginia. The latter from Perrin. III. They've been incodedating since 1925 from Chicago, where they started "lists for Jun." One severe or their success is that they've sincere in portrising serial chicacter's. There eatily leigher through exhand it is a con-

MYRT AND MARGE

"Myrt" is Myrthe Vall, who wrices the scripts of the radio sketch, wide the blot to the sporsor, and plays the lead. She run away from action at the acc of 15 and found the chorec voulerflie. "Marge" is Imma Dannerel and is the doughter of Myrt. She's narried hervers in vandeville. "Marge" is I found a Dannerel and is the doughter of Myrt. She's narried hervers in vandeville. Then she went 'on her own' on the stonge. Age 20.

JULIA SANDERSON AND FRANK CRUMIT JULIA SANDERSON AND PRANK CROBINI in private life are Mr. and Mys. Crumit. On the slope and over the air. they've played co-gorber, in short own individual style, for years of the pare. If a not, musual for them to be on both the CRS and the XRS networks, and they commune to their work in Manhestres by motor from their Connections home.

JACK BENNY AND MARY LIVINGSTON JACK BENNY AND MARY LIVINGSTON
Sunis years ago Jack Benny as slighing vanished
wilde up in Canadia. Chico Mars of the fort-More
floothers who was on the easier all limbol Jack
to crist some freeds. A little surf in the
lipidity of the lipidity of the lipidity of the
pack got un and walked out. Banking it very
embacrussing to all. Years Jack user a
year in the states, fell in those with feer and
married for. Galactical the critical bin
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BURNS AND ALLEN

BURNS AND ALLEN
were burn on spoosite riske of the continent—
Gracle Allen in San Franchiso and George
Burns in New York. Unche went to a cuswent
and later resulted dancing, George ung in a
No. L. Gracle tail and which wasn't working,
and she was searching for a pursuer,
flooring and she was searching for a pursuer.
George but our of which was working, to the
needed a partial on the for farman from coach
matriel, and now they're farman from coach

FLOYD CIBBONS

FLOYD CIBRONS
is a war correspondent explorer, lecturer and lunaderster and the world is his field. Let users level my species and fillmout will be on hand. Ill raspid five talk and his World War hand. He raspid five talk and his World War let be seen to be seen to be seen the deed the late of the seen the deed that caused the injury lungifit him beausy from the French and Indian sovermicates who gave him war evoses. The French unde faith an officer of the Legion of Homar.



Phil Baker



Myrt and Marge



Jack Benny Mary Livingston



Floyd Gibbons



Bert Lahr



Amos 'n' Andy



Julia Sanderson Frank Crumit



Burns & Allen

Our Radio Log

										_
				(Continued)	rom page 1-	<i>i</i>)				
1=110	WZXDO	Ocean Gate, N. J.	*W8XF	200 WJR, Goods	at			(1) Harbor Police Portland, Me.	100	a 102
17,110 17,110 17,300	WOO WEXT WEXT	Deal, N. J.		Station	Pontiac, P adcasting Cuyaloge lage, C Young Portsble 503000, 60001-3000	Mieli. (C	P) KGPF	City of Portland Portland, Oreg.	500	2,422 2,442 2,414 2,412 2,412 2,442
17,360	WEXAJ	Anoka, Mine. Oakland, Calif.	M8XF	200 WGAR, Bra	adeasting Cuyadogs lage, C	Htz. Não, (C	Vil- WPGI	City of Portland Portland, Oreg. B City of Port Huron Port Huron, Mich City of Richmond Richmond, Ind.	50	2,414
17,360 17,360 17,380	JIAA WSBN	Deal, N. J. Aroka, Mino. Oakland, Calif. Dayton, Ohio Tokio, Japan S.S. Levialton	WSXAT *CP for	500 Dr. Ges. W. 42000-16000, 48500	Young Portsble 503000, 60000-3000	(C.P.) 0 kg.	WPFE WPDI WPES		200	2.442 2.458 2.442
17,640	GFWV						WPES KGPC	City of St. Louis St. Leon's Ma.	500	1.712
17,640	GDLJ	S.S. Olympic S.S. Hameric	Statio	ons Operatin	a in the Em	eraen	CY KGZS	City of St. Paul St. Paul Minn.	500 25	2,430 2,442
17,640	GW10	S.S. Belgenland Hulzen, Helland			vice		KGPV			
17,770	GSG W9XF	Hulzen, Helland Daventry, England	Lice	nsed Municip	al Police St	tation	s KGZO	Corp. Sant Lake City, U.		2,470
17,640 17,770 17,770 17,780 17,780 17,780 17,780 17,880	W3XAL W8XK	Daventry, England Downers Grove, III. Bound Brook, N. J.	Radio L	ng 6-1-176 De-ter F Trans Licensee Loca	mempancy Service		K07F	hara Call. City of San Diego San Diego, Cal. City of County of San Francisco, Sun Francisco Cal.	100	2,414
17,780		Secondary, Fa.	Call Letters	Licensee Loca	mitter Authorized Lion Power (watts	Freque (kg	ncy KGPC	City & County of San Francisco,		2,470
17,850 17,850	MSXVO	New Brunswick, N. J. Bandoong, Java Bolinas, Calit. Bodmin, England	WPDO	City of Akron Town of Arlington City of Atlanta City of Auburn		109 2. 109 1. 159 2. 30 2.	458 KGPA		50	2,470
18.060 18.100	GBK K Q J	Bolinas, Calif.	WPBY	City of Atlanta	Arlington, Moss. Atlanta. Gn. Auburn, N. Y. Bukersheld, Col.	150 2.	414		250 100	2.414 2.476
18,170 18,170	CGA	Drummandville, Quebec Sto. Assiso, France	KGPS		Bukerstield, Col.	50 2	468 KGPK 414 WPER WPF	Fire Dept Scattle, Wash. City of Some City. Jown City of Somerville Somerville, Muss. Borough of Swarth	100	1,712
18,240 18,310 18,310	FRO, FRE FZS GBS	Saigna Inda-China		Baltimore Police Dept. City of Beaumont	Beltimore, Mil. Beautoont, Tex.	300 2		Bereagh of Swarth- more Swarthmore, Pa.	80	2,470
18,310	GBS WND	Rugby, England	WPFK	Bergen County N. J., Police Dept.		109 1,		more Swarthmore, Pa. City of Syracuse Syracuse, N. Y. City of Theomy Tacoma, Wash. City of Toleto Teleso, Ohio Tems River Police	400 100	2,470 2,458 2,414 2,470
18,870 18,620	PMC GBU	Bandseng, Java	Ksw		Hackenstek, N. J.	200 2,	130 WRD WPFF	Q City of Tolerlo Tolerlo, Ohio	200	2,470
18,420	GBJ PLE	Bodmin, England	WPFM	Dept. City of Birmingham Als.	Berkeley, Cal.	500 2.	422 KGZC		50 50	2,430 2,422
18,320		Deal, N. J.	WINE.	Als.	Birminglanta, Aka.	159 2	414 WPN	City of Future, 100		
19,240	DFA FTM FRO, FRE	Ste. Assise, France	KGOX	City of Buffalo City of Codur	Birmingham, Aka Buffalo, N. Y. Cestar Rapids, Town	500_2.		ipe Dept. Tulare, Cat. City of Tulsa Tulsa, Okia.	150 100 7 5	2,414 2,450 2,422
19,400	FTD	Deal, N. J. Bandseng, Jers Rugby, England Badmine, England Badmine, England Bandseng, Jers Doel, N. J. Nausa, Germany Stc. Assiste, France Stc. Assiste, France Deal, M. L. Boal, E. France Deal, M. L. Boal, France	KGZF	Rapids Gly of Chamate City of Chamate City of Chamate City of Chicago City of Chicanate City of Collegaritie Falce Dept. City of Collegaritie City of Colombia Ga., Police Dept. City of Cabinalus City of Dallas Po- lice & Fire Signs Dent.	Characte, Kansus Charlotte, N. C.	59 2, 5 2, 50 2,	KGPG KGZ C		7 5 50	2,422 1,712 2,450
19,850	WMI LSG	Deal, N. J. Monte Grande, Argentina	WPDV	City of Charlotte City of Chicago	Charlotte, N. C. Chicago, Ili.		158 KGPZ 712 KGZ1	City of Wichita Wichita Kansus	250	2,450
19,950 19,950	LSG	Naven, Germany Monte Grande, Argentina	WPCC	City of Chicago	Chicago, Hl.	500 L	.712 .721 WPE		50 56	1,712 2,470
20,140	DWG PMB	Nauen, Germany	WPDD WKDU WRBH	City of Cincinnati	Cinciunati, O.		712 WPD0	Tity of Youngstown Youngstown, O.	150	2,458
20,620	FSR LSX	Nauen, Germany Bandseng, Java Paris, France Busnos Aires, Argentina	KGZP	City of Coffeeville	C revolution O.		Contain	uction Permits Issued for Municipal Pelic	CE SI	ations
20,680	LSN	Monte Grand r. Argentina	WPFI	City of Columbia	Caffeyville, Kans.	50 2,	KGZX	City of Abordeen Aberdeen, Wash, City of Albuquerrym, N. M. A. City of Bay City. Mich. Town of Brookline, Brookline, Mass. Bintectable Co., N. C. Police Dept. Asheville, N. C.	50	2,414 2,414 2,442 1,712
20,680 20,730 21,600	ESY OKI LSN	Monte Grand , Argentina Monte Grande, Argentina Podebrady, Crashoalovakia Buenos Airas, Argentina Monte Grande, Argentina	KVP	Ga., Police Dept. City of Dallas Po-	Colombia, Ga.	50 23	WPE	City of Boy City Bay City, Mich. Town of Brookline Brookline, Mass.	5t)	1,712
21,020	LSN	Buenos Airos, Argentina		lier & Fire Signs	Dallas Ter	130 L	WPFS	C. Police Dent. Asheville, N. C.	100	2,458
	MFO MFO	Lawrence, N. J. Deal, N. J.	KGPN WPDM			50 2. 400 2.		City of Christonra Christonra, Don't Pub Sofety W Va	7.5	2 414-
21,428 21,478 21,540	BSH	Daventry, England	KGPX	City of Dayton City & County of Denver	Denver, Colo.			City of Highland Highland Park, B',	100	1,712
	WSXK WSX Q W2XBC	Saxonburg, Pa. San Matoo, Calif.	KGZG	City of Des Muines Detroit Police Dept Detroit Police Dept District of Colum	Des Moines, Iowa	150 2, 100 2, 500 2,	.442 WFFE	Circ Tenn	50 50	2,470 2,470 2,458 2,452 2,450 2,442 2,414
25,700 25,900 27,800	GSSW	New Brunswick, N. J. Chelmsford, England Pale Alto, Calif.	WCK	Detroit Police Dept	. Bette Div. Mich.	500 2, 500 2,		V City of Lubback Lubback, Tex.	50	2,458
27,8(N) 31,000	WEXD IXSW	Pale Alto, Calil, Saxenburg, Pa.	WPDW	District of Column bits Metropolitas Police Dept.			WPF1	City of Lukeland Lukeland, Fla. City of MeAlenter McAlenter, Olds.	50	2,450
otione			WPE	Police Dept. E. Providence 1	Washington, D. C.				100	2,442 2,414
Exp	erimental \	isual Broadcasting	Kezm		o E. Providence R.I.	59 1.	712 WPF/	S City of Nasana Minesia, N. Y. City of Newton Newton, Mass. Town of Palta	50	1,712
's	tations in t	he United States	WPDF	City of Plint	El Paso, Tes. Flint Mich.	50 1. 100 2. 100 2. 200 2.	442 C0 WPG		50	2,442
(Ai	ranged Acco	ording to Frequency)	WPDI	City of Plint City of Pl. Wayant Franklin County Bount of County	et. wayne, agai.	200 2,		D City of Rockford Rockford R. Sacra Cruz County Santa Cruz County Santa Cruz, Cal. City of Surveyord Shreveport, La. Youkers, N. Y.	50	2,458 2,470 2,430 2,414
Call	Power C	ompany Location	KG74		Columbus, Ohio Eroson, Col	200° ±, 100° 2,	WPGI WPF)	City of Yonkers Voukers, N. Y.	100	2,414
Letters	(watts) 1800-178	KILDOYCLES	WPEB	City of Frentie City of Grand	Grand Ramels		WALL	Licensed State Police Stations		
W2XR	1,000 Radio Pie	tures, Inc. Long Island City,	WRDR	Papids Township of Gross	Mirts. r Grosse Point Vit-	100 2	114	Party of Javes-	400	1.534
WSXAN	100 Sparks -	Withington Jackson, Mich.	wwo	City of Highland	lage, Mich.	30 2,	414 WMP	Compronwedth of	100	1,001
****	2003-210	KILOCYCLES	KGPO			59 2.		Mass., Dept. of Framingham, Public Safety Mass.	500	1,574
Maxk	500 Western	Television	KGZB	Honoluiu	Honoldin, T.M.	100 2	450 WPE	Mass. Dept. of Middlehore.		
WEXAH	1,000 Pioneer M	Jackson, Mich. KILOCYCLES L'inversity Town City, In. Television h Co. Chicago, Ill. ercantile Hakersfield, Cal.	WMDZ	Honolulu City of Houston City of Indianapoli	Indianopolis, Ind.	100 L 400 2 100 2 400 2	.712 .442 WPEN	Public Safety Mass. Commonwealth of	500	1,574
	2180-22	30 KILOCYCLES	WPF6 KGPE	City of Jacksonville	Kansas Crig, Mo.	400 2,	,942 ,422	Muss., Dept. of Dublic Sefety, Postable	āĐ	1,574
Waxak	125 Kanana St	ate College A Applied	KGZH	City of Klamati	Creg.	25 0	are WRO	State of Michigan F. Lanring, night Dept of Puls Sof. Mich. day	Dkw Mkw	1,574
WRYAP			WPFO	City of Knowitle	Kooxville, Trun. Kokomo, Itel. Lunsing, Mich.	500 2, 50 2,	470 WBA	Pa. State Police. Commonwealth of Pa. Harrisburg, Pa.	v-B-17	
WSXAK WSXAP WSXBS	5.000 Nat'l Bride 2,500 Nat'l Bride 5,000 Nat'l Bride 1,000 Dog Lee I	stg. Co. Chicago, III. stg. Co. New York, N. Y.	WPDL		Lunsing, Mich.	50 2	142	of Po Haggidouse Po	300	190
WEXE	1,000 Dog Lee I	Bridget B. Arek Tone, S. 1. Bridgetg, Sys. Los Angeles, Cul.	KGPL WPDF	City of Los Angele	Lexington, Ky. Los Angeles, Cal, Locisville, Ky. Memplis, Teor.	500 L	712 WBR	Pa. State Police, Commonwealth		
WSXAL	300 First Nat'	KILOCYCLES Television	MAEC	City of Memphis	Memplis, Toon.	100 2	442 470 WDX	of Pa. Butter, Pa. Pa. State Police	300	100
	2760-286	Kansas City, Mo.	WPDK KGPB	City of Milwaukee City of Minneapoli	Milwaukte, Wis.	500 2,	,150	of Pa. Pa. State Police Commonwealth of Pa. Wyoming, Pa.	300	190
WEXAB	1,500 Purdue Ur	irversity W. Lafayeste, Ind.	WPFC	City of Muskegor	Minn. Muskegon, Mich.	460 2, 50 2,	.43n W.FL	Pa. State Police. Commonwealth		
43000	48000, 48500-503	00. 80000-80000 KILOCYCLES	WPFN						500	190
WSXAK	50 Atlantic b	Prosidensting New York, N. Y.	WPEK WPY(1)	City of New Orlean	New Ortoms, La.	100 2	.719 WMB			
DAXOW	150 Don Loe E	indestg.		Police Dept.	New York, N. Y.	200	500 KGZ8	of Pa. W. Rending, Pa. City of Son Autonio & State of Texas San Amonic, Tex.	300	100
WOXE	500 The Juorn	irdustg. Los Angeles, Calif. di Company Milwankee, Wis. Buleses, Co. Pertable tricestg, Co. New York, N. Y. ange Battery Philip. Pn. Company N.	WPEE WPEF WPEG	City of New York	New York, N. Y	400 2 400 2	-480 -480	& State of Texas San Amenic, Tex- Construction Permits for State Police Stati	500	2,506
W2XBT W2XF	5,000 National I	Spiestg, Co. Pertable Spiestg, Co. New York, N. Y.	KEPH	County of Okla-	Oklahoma City.	500 2,	,150 WPE		Will b	
W3XE	1.500 Phils. Stor	nge Battery Phila, Pa.	KGPL	City of Oznaba	Omahn, Nebr.	230 2. 400 3.	450	Public Safety Mass	400	1,574
WINNE	2,000 RCA Victo 50 RCA Victo 1,000 Radio Piet	Philip. Pn. or Co., Inc. Camelen, N. J., per Co. fun. Pertuble & Molife	KGJX	City of Pagadenn	Pasadem. Col.	100 1.	,470 ,712 WPG ,470 ,470	C State of New York: Schenectady, night N. Y. day 1k	500n	1,584 pensed
WIOXX WZXR WZXAN	1.600 Radio Piet	or Co., Inc. Portable & Mobile tures Long. Is. City. N. Y.	WPDP	City of Pawturket City of Philadelphia City of Phoenix	Philadelphia, Pri. Phoenis, Ariz.	500 2 100 2	470	Licensed Marine Fire Stations	50	1.570
	100 Sparies-W Co. 1,000 U. S. Ro.	Jackson, Mich.	WPDU	City of Pittsburg		400 1	.430 WEY	T Detroit Fire Deut, Detroit, Mich.		1,558
WEXE	1,000 U.S. Ra vision C	din & Tele- teep. Marion, Ind.	WPFU	City of Portland	1		KGPI	Utty & Co. of San San Francisto, Francisco Cal.	400	1,558



JACK PEARL... of Baron Munchausen fame first saw the light of day in New York in 1855. Fis fares for the light of the ligh

JAMES WALLINGTON ... was born in Rochester, N. Y., where he attended public schools and sang in churches. He attended the Auburn the ministry, but dropped it for a medical course. Not satisfied, he changed to English and music and finally became a salesman for a furniture firm. While in Schenectady he applied for a job as radio mechanic. A mechanic wasn't needed, but an announcer was. Jimmie got the job. The provent over 6 feet in he'pit. He's married over 6 feet in he'pit. He's married over 6





FRED ALLEN... used to be John Florence Sultivan—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 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 ... competed against over a hundred in an audition against over a hundred in an audition. 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 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 mative of Indianapolis. That rich bass voice was cultivated at the ago 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 Ind., and then to Indianapolis. His 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 bollege his free where Fred failed to make the gleen where Fred failed to make the gleen 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 vaudewille and with the same sponsor for whom they with the same sponsor for whom they one 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 first violin, a \$3 affair, and started 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 cight 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 day he became one of the eleven to the state of the state of the eleven when it was decided that Ben was too frail ever to follow the family trade as a snith, his father decided he should be an engineer. His mother decided hed become a volume to the should be an engineer. His mother decided hed become a volume as occurred to Cannegic Hall at 14, and a year afterwards was teaching violin 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 in one of the key station that we will be with the weak of the weak

EDDIE CANTOR...did a show act in 1909 to win an amateur contest and \$5. In 1925, 20 years afterwards, and \$5. In 1925, 20 years afterwards, 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 and lonely struggle—before it was crowded with fame and fortune.





GERTRUDE BERG ... was murried 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. V. The son is now 10. There's a daughter 6. Gertrude once heard that they control to the control of the control of the control of the control grounder her skin. She looked to radio. Finally NBC accepted her and her character Molly Goldberg started. VINCENT LOPEZ . . . was born in Broothyn. N. Y. His inter 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 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 in a dairy office. Finally he organized his own band. You know the rest.







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