

KOLSTER

A dealer organization of conscientious retailers makes it easy to buy Kolster Radio. Each and every one of them knows that the sale of this set is a valued privilege.

Authorized Southern California Dealers (Con.):

- | | | |
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| LA MESA
Messenger & Grogan | POMONA
John Burnley
120 E. Second St. | SANTA ANA
Hawley Sporting Goods
Company
305 N. Sycamore |
| LOMITA
De Bra Radio | Schwartz & Heimerl
228 W. Second St. | Turner Radio Co.
118 E. Fourth St. |
| MONROVIA
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125 W. White Oaks | PUEENTE
Puente Hardware Co. | SANTA BARBARA
James E. Wiley
San Marcos Bldg. |
| MONTEREY PARK
Monterey Park Music Co.
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Munzig Radio
1,5 N. Fifth St. | SANTA MARIA
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C. O. Young | SANTA MONICA
Radio Service Co.
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O. C. Snyder
Mills Radio | Santa Monica Radio Co.
305 Santa Monica
Blvd. |
| NEEDLES
Kane's Radio Shop | REDONDO
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124 S. Pacific Ave. | SIERRA MADRE
Sierra Madre Electric
Company
Opp. P. E. Station |
| ONTARIO
Powell & Harper
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Thew Radio Co.
Fleming Bldg. | TERMINAL ISLAND
Harbor Building Co. |
| ORANGE
Cossairt's Radio Shop
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| OJAI
Ojai Electric Co. | Parmelee-Dohrmann Co.
7th and C Streets | TUJUNGA
Tujunga Radio |
| OXNARD
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| PASADENA
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Marsden Electric | VICTORVILLE
C. J. Goodrich |
| Parmelee-Dohrmann Co.
242 E. Colorado St. | SAN GABRIEL
Murphy & Hendrickx
243 S. San Gabriel
Blvd. | WILMAR
Wilmar Radio Co. |
| Nazarian's Model Shop
Shop
Wilson Music Co.
180 E. Colorado St. | SAN JACINTO
Ramona Bowl | WILMINGTON
Wilmington Hdwe. Co.
300 Avalon Blvd. |
| SOUTH PASADENA
The Radio Electric Store.
1161 Fair Oaks | SAN PEDRO
San Pedro Electric
263 Sixth St. | WHITTIER
Whittier Hdwe. Co.
114 E. Greenleaf |
| PASO ROBLES
The Melody Shop | SATICOY
H. H. Wright | |

H. Earl Wright, Incorporated

Sole California Distributors

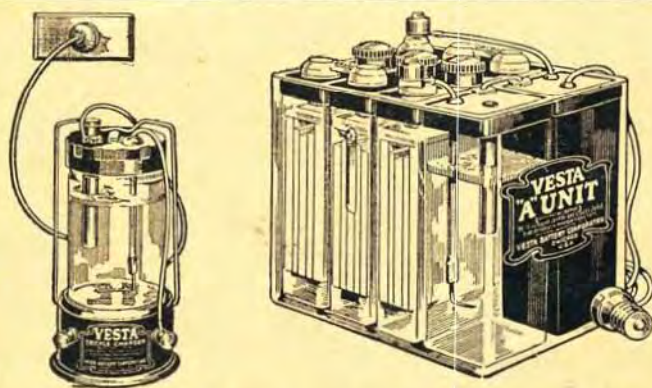
415 East Eighth Street
LOS ANGELES

123-129 Second Street
SAN FRANCISCO

VESTA

Quality Radio Units

Important Trade News!
**An Announcement of Great Interest
 to the Entire Radio Trade Will Be
 Made Shortly.**



VESTA RADIO "A" BATTERIES are the height of quality. VESTA RADIO "A" UNIT, with built in Trickle Charger, licensed under Balkite patents, is one of the big sellers in the radio field today. VESTA TRICKLE CHARGER, licensed under Balkite patents, is the most economical "A" battery charger on the market. VESTA QUALITY TUBES, with their non-microphonic feature, create new joys in radio reception.

SOLD BY LEADING JOBBERS

McCLELLAND-FELTHOUSE

CORPORATION

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 LOS ANGELES

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A. G. RUDOLPH
500 N. Dearborn St.

San Francisco Office
CONGER & MOODY
Sharon Building
Kearney 8483

Radio Doings

Trade Mark Reg. U. S. Pat. Off.

407 East Pico Street, Los Angeles, Calif.

"The Red Book of Radio"

H. C. CHARLES
Editor

Phone WEStmore 1401

KENNETH G. ORMISTON
Technical Editor

J. S. MILLER
Associate Editor

MAJ. LAWRENCE MOTT
Associate Editor

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ONLY \$3.00 A YEAR

Have RADIO DOINGS mailed to your home every week. Fill out blank below. Either mail to us, or your dealer will be glad to take care of it for you. Please indicate whether NEW or RENEWAL.

HORWOOD PUBLISHING CO., 407 E. Pico St., Los Angeles.
CONGER & MOODY, Sharon Building, San Francisco, Calif.

Gentlemen: I enclose \$3.00, for which send me RADIO DOINGS for one year.
NEW—RENEWAL.

Name.....

Address.....

303% Sales Increase

in Southern California this Season

CROSLEY RADIO

BETTER · COST LESS

Because

No other set offers the same quality reception—clarity and volume without distortion—selectivity and distance—all at moderate cost.

Battery-Operated Receivers	\$32 to \$108
Electrically-Operated Receivers	\$77 to \$105
Crosley A B C Battery Eliminators	\$55
Crosley Musicone Loud Speakers	\$10.75, \$16.25

Your Nearest Crosley Dealer Will Be Glad to Give You a
Demonstration

Distributed by



Wholesale Distributors

CROSLEY RADIO — BURGESS BATTERIES
CUNNINGHAM TUBES — MAJESTIC ELIMINATORS
COMPLETE LINE OF RADIO ACCESSORIES

1630-1632 S. Los Angeles St.
LOS ANGELES

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SAN FRANCISCO

Here Are Some of the Dealers Who Helped to Put
Over the Increase in

CROSLEY SALES

Ask them to demonstrate the new Crosley models for you:

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Davis Radio Co.	1521 Brooklyn Ave.	201 N. Brand Blvd.
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WEstmore 6948	<i>Westlake</i>	LANKERSHIM
De Hoog Brothers	Arcade Radio Studio	Lankershim Radio &
6120 S. Broadway	743¼ S. Alvarado	Service
THornwall 0224	DRexel 6859	5241 Lankershim Blvd.
<i>Downtown</i>	<i>Glassell</i>	Lankershim 767
Figuroa Radio Shop	George F. Confer	LONG BEACH
929 W. Seventh St.	2932 W. Ave. 37	John J. Sawyer
TUcker 6763	ALbany 5443	543 E. Anaheim St.
Frank Radio Co.	<i>ALHAMBRA</i>	Long Beach 636-235
715½ S. Main St.	Alhambra Radio	Rialto Radio Co.
TUcker 3347	Electric	430 American Ave.
<i>Hollywood</i>	1855 W. Main St.	Long Beach 653-171
Otto K. Olesen	Alhambra 2366	PASADENA
Illuminating Co.	<i>ARTESIA</i>	Model Radio Shop
6548 Hollywood Blvd.	Edward M. Corcoran	2336 E. Colorado St.
GLadstone 5194	Artesia 5159	Colorado 5992
<i>Southwest</i>	BEVERLY HILLS	SANTA BARBARA
Childs Laboratory	Beverly Cycle & Sport	J. E. Wiley
2310 S. Union Ave.	Shop	San Marcos Bldg.
BEacon 7445	422 N. Canon Drive	Santa Barbara 3971
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Co.		Santa Monica Radio Co.
3819 S. Western Ave.		305 Santa Monica Blvd.
VERmont 7929		Santa Monica 24240

CROSLEY RADIOS

"Everything That Is Right in Radio"

UTAH

CONE

SPEAKER



\$

10



*Each One
Guaranteed*

C. W. SMITH CO.

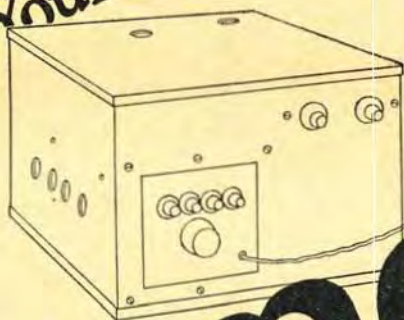
Home of Utah Speakers

Westmore 3291

Los Angeles

1125 Wall

Radio Power
from Your Light Socket



Pemco

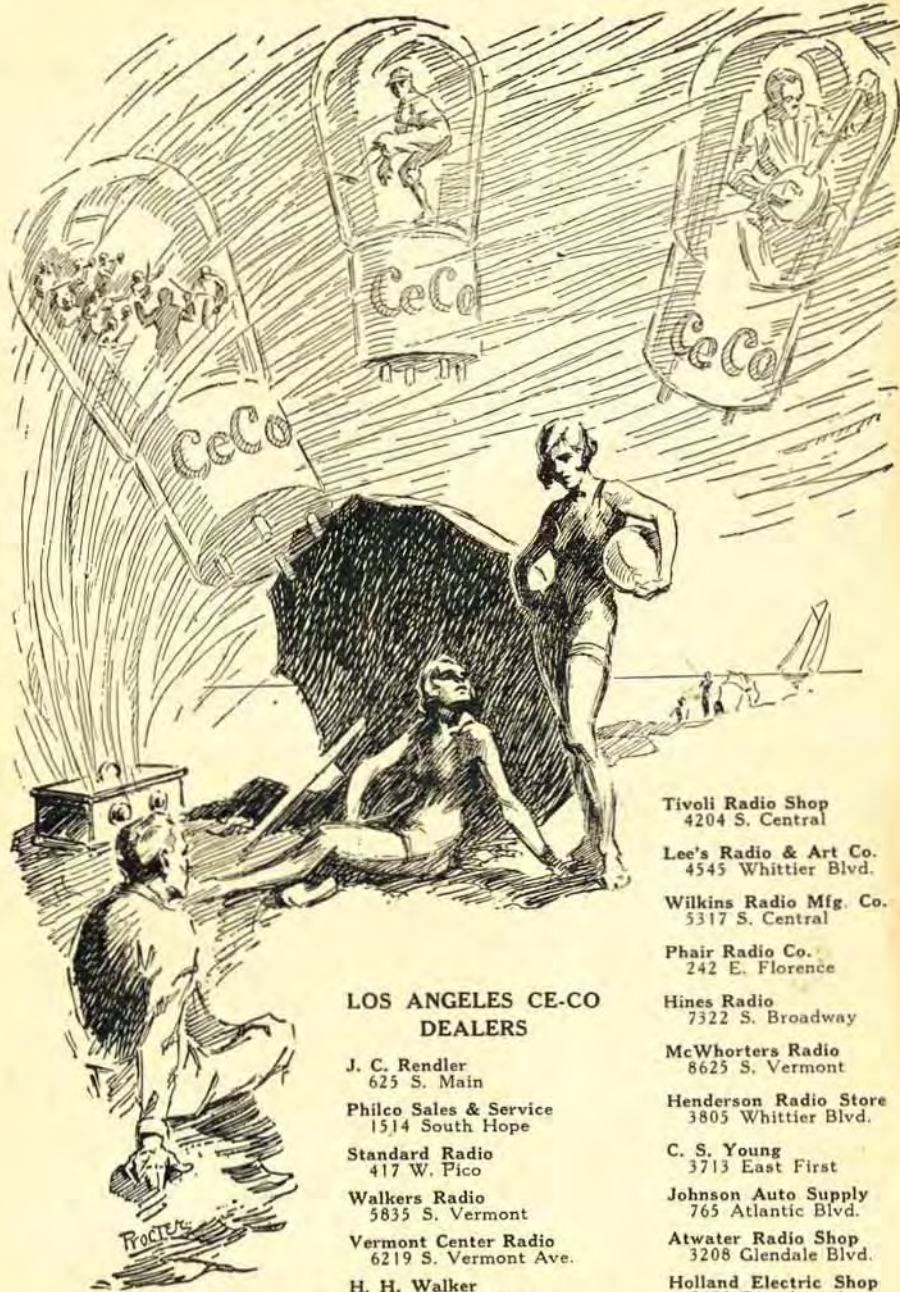
Automatic

"A" and "B" Power Unit

No more fuss and bother. Think of it—at last perfect radio reception— from electric light current. **Pemco** is entirely automatic—no switches—can be placed in a nearby room or in your console cabinet and forgotten.

Any radio will operate with a **Pemco**—no matter what size or make or what kind of electric light current [50 or 60 cycle]. See Your Dealer Today for full demonstration.

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Sherman, Clay & Co.
Pacific Wholesale Inc.
Electric Corp.
Los Angeles



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J. C. Rendler
625 S. Main

Philco Sales & Service
1514 South Hope

Standard Radio
417 W. Pico

Walkers Radio
5835 S. Vermont

Vermont Center Radio
6219 S. Vermont Ave.

H. H. Walker
1323 Venice Blvd.

Sturgis Music
4713 S. Broadway

Nilsson & Nelson
4320 Avalon

Tivoli Radio Shop
4204 S. Central

Lee's Radio & Art Co.
4545 Whittier Blvd.

Wilkins Radio Mfg. Co.
5317 S. Central

Phair Radio Co.
242 E. Florence

Hines Radio
7522 S. Broadway

McWhorters Radio
8625 S. Vermont

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C. S. Young
3713 East First

Johnson Auto Supply
765 Atlantic Blvd.

Atwater Radio Shop
3208 Glendale Blvd.

Holland Electric Shop
5632 Pasadena Ave.

McNeil Music Co.
5711 Pasadena Ave.

Briong & Bushard
1717 W. Adams

Summer Time Supremacy of the Air Enabled Through CeCo Tubes

Tubes are the heart of your radio. CeCo Tubes give unlimited opportunities to your set. Whether your problem is one of

selectivity or tonal quality, CeCo Tubes will bring vast improvement. Hear them today at any of the following CeCo Dealers.

"There's a CeCo Tube for Every Socket"

15th and Hope Sts.

A. J. Tobey Co.

Westmore 4038

HOLLYWOOD

Hollywood Radio
709 N. Western

Hollywood Electric
6656 Hollywood Blvd.

Mohawk Battery & Raids
2115 Sunset Blvd.

Doran Electric Shop
7515 Sunset Blvd.

Loveringer-Melrose Radio
4436 Melrose

Melrose Radio
5663 Melrose

Wesholly Radio
7406 Melrose

Carmel Radio
8165 Santa Monica Blvd.

Doran Electric Shop
8030 Santa Monica Blvd.

OUT-OF-TOWN CE-CO DEALERS

ALHAMBRA
Baird Radio Shop
226 W. Main St.

MONTEREY PARK
Monterey Park Music Co.
102 E. Garvey

GARDEN GROVE
W. E. Ashley

PASADENA
F. W. Birnie
169 W. Colorado

Kelly-Yesley Music Co.
1447 N. Lake

Thomas & Summerville
41 N. Broadway

Webster Electric Garage
100 E. Union

Service Radio
1172 E. Colorado

GLENDORA
F. A. Seimers

VAN NUYS
Van Nuys Music Co.

Marsden Electric

LANKERSHIM

Lankershim Music Co.
5317 Lankershim Blvd.

Lankershim Radio and
Service Shop
5241 Lankershim Blvd.

CULVER CITY
H. E. Blunt
6808 Putnam

INGLEWOOD

Inglewood Mercantile Co.
120 N. Commercial St.

AVALON

Avalon Radio
607 Crescent

WILMINGTON

Wilmington Variety
716 W. Anaheim

LONG BEACH

Kelm Radio
Cor. 4th and Locust

Coast Radio
245 E. 7th St.

HUNTINGTON BEACH

Fowler Music Co.
324 Eleventh St.

HUNTINGTON PARK

H. L. "Radio" King
116 E. Irvington

P. A. Dougherty
158 Pacific Blvd.

BELLFLOWER

H. L. Peterson Shoppe
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DOWNEY

Darnell Electric Shop
1182 Crawford St.

POMONA

Falls Tire & Battery Co.
201 E. 2nd St.

COLTON

H. C. Bliss

SAN BERNARDINO
Thew Radio

ELSINOR

Elsinor Plumb. & Elec.

REDLANDS

Dale E. Slinger
414 Orange St.

CROWN CITY

Crown City Garage

ANAHEIM

Caverley Radio
217 W. Center

BREA

Bennet's Radio
Murray Garage & Service
Station

NEWPORT BEACH

Sanders Electric
109 22nd St.

CARLSBAD

Carsbad Pharmacy

EL CAJON

El Cajon Electric
Lyon Appliance

CORONADO

W. C. Bechtel Liberty
Garage & Batt. Serv.
718 Third St.

PACIFIC BEACH

Sunset Super Service
Station
1002 Garnett

PALM CITY

A. C. McBride
Palm City Garage

SAN DIEGO

College Service
Park and El Cajon

Maryland Auto Supply
7th and F St.

Market St. Radio Store
1529 Market St.

Kinney Bros.
30th and A. St.

Radio Dept., Southern
California Music
720 Broadway

United Radio Elect.
2807 University

There are Many

Very good kits on the market from which you can build yourself a set that will out-perform most factory built sets.

SILVER-MARSHALL SHIELDED SIX
MADISON MOORE SUPER
INFRADYNE
BROWNING-DRAKE
KARAS EQUIMATIC
HAMMARLUND HI Q
QUADRAFORMER KITS

We Have a Full Line of Parts for the New

SILVER-COCKADAY II

This new assembly by McMurdo Silver and Lawrence Cockaday is sweeping the country. Ask for descriptive booklet.

RADIO SUPPLY CO.

WHOLESALE

912-914 S. Broadway VA. 6063 Los Angeles
New 1927 Catalogue Now Ready—Send For It

LET THE RADIO SUPPLY CO.

Fill your Parts orders. We distribute the best known quality lines and carry large stocks at all times to handle your needs.

READ OVER THIS LIST OF PARTS

Aico Loops	Dublier Condenser Corp.	Naald Truptionic Units, Etc.
Accuratune Dials	Dudlo Mfg. Co. Wire	National Co. Parts
Aeme Trickle Chargers	Dunham Loops	Pacent Products
Advance Crystals	Eby Binding Posts	Penetrola Kits
Aero Products	Eight-In-Line Super Unit	Polymet Mfg. Co. Condensers
Aerovox Wireless Products	Ekko Ground Clamps	Premier Parts
Alden Mfg. Co. Parts	Electrad Products	Raco Aerial Wire
All-American Products	Electrohot Soldering Irons	Radiall Co. Amperites
Amertran Products	Elkon Chargers	Rauland Lyric Transformers
Amperites	Formica Insulation Co.	Raytheon Tubes
Amsco Condensers	Franco B. Batteries	Remler Products
Arco Coils	Frost Products	Samson Transformers
Balkite Chargers, Etc. Products.	General Radio Parts	Sangamo Condensers
Benjamin Elec. Mfg. Products.	Goodrich Rubber Panels	Sensory Insulators
Bodine Loops	Hammerlund Products	Silite Trickle Chargers
Boulderadio Eight-In-Line Super Unit	Harkness Kits	Silver Marshall Products
Branston Coils	Hedgehog Transformers	Spaulding Bakelite
Bremer-Tully Products	H-K Solderdip Lugs	Steinle Eliminators
Bruno Coils	Hoosick Parts	Sterling Meters and Testers
Camfield Coils	Jefferson Products	Stevens Tools
Carborundum Products	Karas Products	Teslrite Hydrometers
Cardwell Condensers	Kelbrackets	Thordarson Transformers
Carter Products	Kellogg Parts	Thorola Coils
Ceco Tubes	Kodol Products	Tobe Condensers
C R L Var High Resistance	Kurz-Kasch Dials and Knobs	Tom Mack Products
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Clarostat	Lemco Transformers	Trim Cone Speakers
Crescent Transformers	Madison Moore Units	Universal Battery Clips
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DeJur Rheostats	Mignon S. L. F. Condensers	Victoreen Parts
DeLuxe Products	Mueller Universal Clips	Weston Products
Dictogrand Speakers	Muter Lightning Arrestors	Willard Batteries
		X. L. Variometers
		Yaxley Products

THORDARSON, ALL-AMERICAN AND MAGNAVOX
REPLACEMENT TRANSFORMERS IN STOCK

VESTA 35 and 50 Amp. and HOBICO A Power Units

ACME, GENERAL RADIO, ALL-AMERICAN, KODEL,
BALKITE, SILVER MARSHALL, STERLING and
WEBSTER ELIMINATORS

ACME, STERLING, VESTA, BALKITE, TUNGAR and
SILITE TRICKLE CHARGERS

DEALERS: Park Next Door at Our Expense

RADIO SUPPLY CO.

WHOLESALE

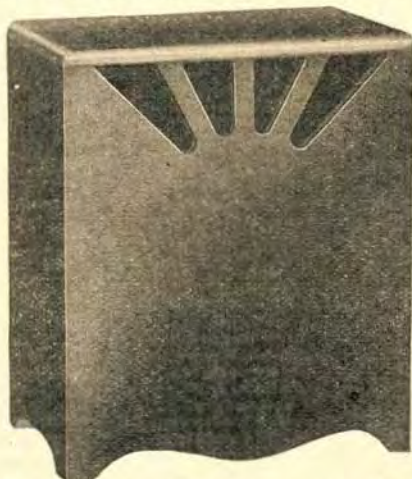
912-914 S. Broadway VA. 6063 Los Angeles
New 1927 Catalogue Now Ready—Send For It

THE NEW

A Victory Woodlark

The Speaker Supreme. An achievement in acoustical engineering.

Perfectly reproduces every tone in the instrument or voice scale. Absolute clarity and beautiful quality brought out in any degree of volume desired.



Comparable in all ways to any speaker produced irrespective of price, yet so reasonably priced that it is within the reach of everyone.

Don't penalize your set—give it a chance to reproduce accurately for your enjoyment.

Equip Your Set with a **WOODLARK**

Ask Your Dealer for a Demonstration

TODAY

Or Phone Santa Monica 61307 for Information

WOODLARK RADIO PRODUCT CO.
10 Breeze St. Venice, Calif.

Goodbye Meters!

By DR. J. H. DELLINGER

Director Radio Research Laboratory, Bureau of Standards, Washington, D. C.

The new word introduced into radio station announcements by order of the Federal Radio Commission is one evidence that the commission is being guided in its decisions by the public interest. The decision to replace meters by kilocycles is in line with scientific accuracy as well as greater convenience to the public. The Bureau of Standards, in a statement just issued, points out that the original use of wave lengths and meters was really a mistake, has caused no end of confusion, and has been an obstacle in the path of the serious-minded who sought to learn the principles of radio. The public has continued to use meters simply because the habit got started, and for no other reason.

It is much easier for the radio listener to log the stations on his dials in kilocycles because all station frequencies are in even numbers, 620, 630, and so forth, spaced 10 kilocycles apart. The wavelength ratings, on the other hand, like 483.6, 475.9, are troublesome, and are separated different amounts all over the scale. In selecting the even kilocycle ratings the commission is utilizing the results of several years experience in the development of broadcasting.

Spacings other than the uniform 10 kilocycles between stations have been tried and have always added to interference. The inherent reason for this is that the radio wave carrying speech or music does not occupy a single sharp frequency but actually occupies a little band of frequencies 10 kilocycles wide.

How to Figure Frequencies

The word "kilocycle" need cause no dismay. "Kilo" means "thousand," and is familiar to everyone in "kilowatt," which means a thousand watts. The other part of the word "cycle," means

one complete alternation. The number of kilocycles is the number of thousands of times that the rapidly alternating current in the antenna or the set repeats its flow in either direction in one second.

When it is necessary to find out the kilocycle rating corresponding to a certain number of meters, or vice versa, it is done by dividing 300,000 by the number. For example, 300 meters corresponds to 1000 kilocycles, and also 300 kilocycles corresponds to 1000 meters. In view of the action of the commission, however, there will probably be very little occasion for anyone to make any use of "meters," and the need for making the conversion from one to the other will disappear.

While "kilocycle" is a new word to many radio listeners, it is an established term in radio engineering. On account of its greater convenience, and because the wavelength designation is secondary, confusing, and superfluous, engineers have gone increasingly to the kilocycle basis in the past four years, and manufacturers have more and more inclined to marking their dials in kilocycles rather than in meters. The use of kilocycles was given standing as authoritative American practice when, on the recommendation of Bureau of Standards representatives, the 1923 National Radio Conference adopted a resolution that stations be rated in kilocycles.

UNITS REWOUND

Baldwin Type, \$2.00

Others, \$1.50 to \$2.00

Elmer A. Burlingame

1139 Santa Cruz, San Pedro

ZP-201-A power tubes



**in every
socket—
Without
Re-wiring!**

*—as many power tubes as there
are sockets in your set*

THINK of it—without adding or altering a single wire you can now use as many power tubes as there are sockets in your set . . . the greatest advance in power, volume and tone since the days of crystal receivers.

The new oxide filament, $\frac{1}{4}$ amp. ZP 201 A power tubes will give you everything you want in radio—power, extreme selectivity, realism of tone. *And more!*

They are economical in "A" and "B" current which materially

lengthens the hours of battery service.

Each tube is serial-numbered and *guaranteed*. Every Zetka tube will give you the added satisfaction of increased efficiency plus longer life.

You cannot realize what a difference these tubes will make in your set until you try them and convince yourself.

Go to your nearest Zetka dealer today and ask for a demonstration. *Only \$2.50 each.*

ZP 201 A is one of a complete line of clear glass tubes—each one meeting a definite radio demand.

(Zetka's sensational new 6 volt $\frac{1}{10}$ amp. tube for electric sets is ready.)

ZETKA LABORATORIES, Inc. 73 Winthrop St., NEWARK, N. J.

ZETKA
The Clear Glass Tube

Editorial Comment

Chicago

IN 1620 a small band of hardy souls set out from England for a hopeful fate in the land across the sea. These pilgrims created a government which, forging on through many varying vicissitudes, has progressed, after 300 years, to the dominion over the most preponderantly influential nation on the face of the earth.

Several years ago a small group of radio manufacturers began an embryo organization which they termed the Radio Manufacturers' Association. As with the case of the pilgrims, there were no newspaper headliners announcing their achievement nor were they heralded to all people as far-sighted pioneers conceiving a great institution.

Mention of it could occasionally be found in a radio trade magazine. No one foresaw that this infant group would expand to such overwhelming proportions as to become recognized as the most powerful organization in American radio. It is dictating the trend of radio for the best.

The radio industry has been periodically stifled to suffocation by the Summer slump bugaboo. This ghoul of the business made its appearance with popular radio. In 1921 everyone became fascinated with the uniqueness and possibilities of radio which stimulated manufacturing and merchandising of parts and sets. Most of the material thus put on the market was crude and inefficient, and the industry blundered on to a resounding crash in the summer of 1922. Thus a precedent was established and radio has labored under this delusion ever since.

The intrepid and progressive members of the R. M. A. are doing everything possible to break away from this destructive attitude, for they know that radio engineers have perfected transmitting and receiving apparatus that make reception clear and enjoyable the entire year.

Certainly it is to the limitless credit of these men of vision and courage that they have continually and resolutely thrown their skill and energy into the task of overcoming tremendous obstacles in giving everyone greater radio every month in the year. Chicago is now witnessing their magnificent annual convention, wherein the latest and best in radio thought and equipment are gathered together in the interest of radio progress.

Radio is no longer a fad or curiosity. As the automobile, it is an essential factor in the home and absolute necessity commercially. Its destiny, with the support of such interests as the R.M.A., is bound to become the preeminent force in human relationship.

Stellar Entertainers



*Dear Mr. Wagner,
I thank you
for introducing me to
the Steinite.
Yours truly,
Joan Crawford*

**METRO-GOLDWYN-MAYER
STUDIOS**

General Offices
May 28, 1927.

Wagner Radio Co.,
4014 Washington Blvd.,
Silver City, Calif.

Dear Mr. Wagner:

While the movie is not in motion for a few minutes, I am taking this opportunity to express my appreciation of the "STEINITE" Electric Radio, which you installed in my home.

You know that I was not quite wild on radio before; for it seemed an almost weird idea until the batteries were run down, or the tone quality was lacking.

But now, Oh! what a difference. The Steinite has most true reproduction that I can place my eyes and imagine that I am in the same room with the artists. Then, too, the Steinite requires me to get the station that I want without an obligate from some other station.

The thing that appeals to me is the fact that there are no batteries to worried with. I simply plug the cord into the electric light socket, and away it goes, for an evening's entertainment with the best quality without any demand.

It is rather unusual to me and I could write pages of appreciation, but will simply say that I am completely satisfied. The Steinite is a beautiful piece of furniture, and is an absolute addition to my home.

Thank you very much, I am,

Sincerely,
Joan Crawford



Miss Joan Crawford, Metro-Goldwyn-Mayer star, now being featured in Lon Chaney's latest success, "The Unknown," and who has gained prominence in the terpsichorean art, recently added a Steinite no-battery receiver, of the console model, to her luxuriously appointed home.

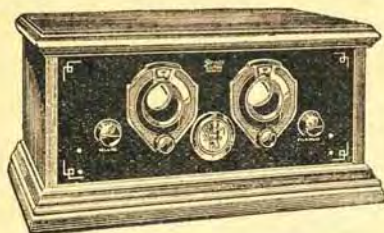
Steinite

SIX TUBE NO BATTERY RADIO



COMPLETE IN ONE SYNCHRONIZED UNIT. WITH HIGH GRADE BUILT-IN SPEAKER.

\$156.00 (Complete)
(INCLUDING POWER TUBE)

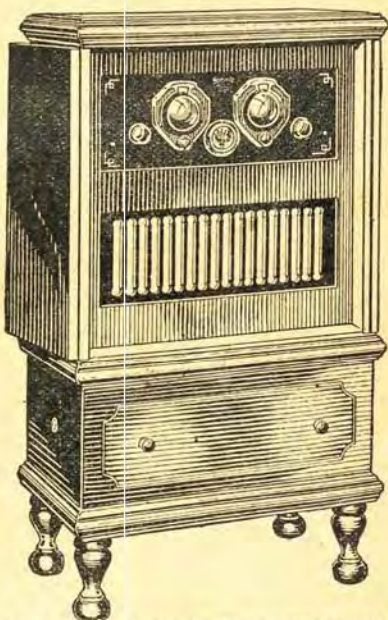


BEAUTIFULLY DESIGNED TABLE MODEL, WITHOUT SPEAKER,

\$128.50
(INCLUDING POWER TUBE)

DON'T CONFUSE STEINITE WITH POWER UNITS THAT OPERATE INDEPENDENTLY AND MERELY ATTACH TO LIGHT SOCKET TO ELIMINATE BATTERIES.

STEINITE USES NO BATTERIES—IS ONE COMPLETE SYNCHRONIZED UNIT. NO CHEMICAL RECTIFIERS, LIQUIDS, CRYSTALS OR CHARGERS OF ANY KIND.



THE HIGH BOY, WITH HIGH-GRADE BUILT-IN SPEAKER. ARTISTIC IN DESIGN, OPERATING WITHOUT AERIAL.

\$183.50 (Complete)
(INCLUDING POWER TUBE)

DISPELS EVERY CRITICAL OBJECTION YOU HAVE HERETOFORE FOUND WITH RADIO RECEPTION. FAITHFULLY REPRODUCES VOICES AND EVERY MUSICAL INSTRUMENT WITH FIDELITY OF TONE. ITS CLEAR RECEPTION WILL SURPRISE YOU.

ALL MODELS OPERATE WITH LAT-EST-TYPE POWER TUBES.

Distributed by

NATIONAL RADIO & SUPPLY CO.

814 S. Olive

TUcker 4706

Los Angeles



Modernize Your Radio With Majestic "B" Current Supply

The pleasures attendant on good radio reception are forever at your finger tips when you do away, once and for all, with the nuisance of ordinary "B" batteries.

The Majestic "B" Current Supply Unit never needs recharging . . . it drinks no water . . . requires no acid. There is no hum in Majestic . . . its Raytheon tube has no filament to burn out. Install Majestic today . . . enjoy full strength "B" current direct from your light socket.

MAJESTIC "B" CURRENT SUPPLY
is the Best "B" Unit Regardless of Price

Majestic Standard-B

Capacity Nine
201-A tubes or
equivalent. 45
milliamperes at
135 volts.

\$26.50

Raytheon Tube
\$4.50 extra

Majestic Super-B

Capacity 1 to 12 tubes, includ-
ing the use of power tubes.
45 mils. of 150 volts.

\$29.00

(as illustrated)

Raytheon Tube \$4.50 extra

Majestic Master-B

Positive control of
all output voltage
taps. For sets hav-
ing high current
draw or heavy bias-
ing batteries. 60
mils. at 150 volts.

\$31.50

Raytheon Tube
\$4.50 extra

Manufactured by GRIGSBY-GRUNOW-HINDS CO., Chicago

W. J. SEROY, Pacific Coast Sales Manager

122 Broadway

Oakland, Calif.

Radio Topics of the Day

A Weekly Review of Radio News, Thought and Opinion

ENGLISH TO OFFER INTERFERENCE RE- DUCTION PLAN

When the International Radio Conference meets in Washington next October it is said that the British wireless authorities will present a scheme for the reduction of spark interference with broadcasting. The plan provides for ordinary ships' traffic on 800 meters, the 600-meter lane being reserved for distress signals and urgent navigation messages. The 300-meter lane, which is right in the middle of the present broadcast band, would be done away with. There is provision for the complete replacement, within six months of the adoption of the report, of shore spark apparatus with up-to-date continuous wave apparatus.

Also the Britishers will make every effort to compel ships to be fitted with the latest equipment and to have severe limitations placed on power in congested areas.

LISTENERS WILL HEAR MORE STATIONS NOW

Every broadcast station will gain in the number of listeners by virtue of the new wavelengths, believes G. Clayton Irwin, Jr., general manager of the Radio World's Fair, who is in Chicago putting the finishing touches on the arrangements for the First Annual Trade Show, which opens on June 13th, and is also under his direction.

Listeners will be able to hear more stations than ever before during the summer and with the fall will come a revival of DX interest, in his judgment.

Elimination of heterodyning by the

national re-allocation of wavelengths, together with the splitting of time by many stations, provides the opportunity for many broadcasters to gain new friends in near and distant points.

THE GHOST IS WALKING

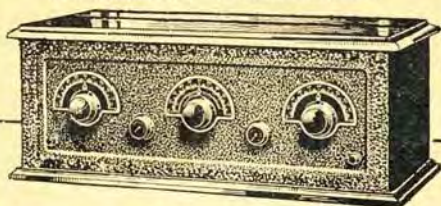
Contrary to the general impression—and despite the fact that Congress fell down in providing the wherewithal—the radio commissioners are receiving their salaries regularly—that is, excepting Commissioners Caldwell and Bellows, who failed of confirmation. The money is coming from an old appropriation granted to the radio division of the Department of Commerce.

CROSLY ENTERS LICENSE AGREEMENT UNDER RCA PATENTS

Stabilization of the radio industry received marked impetus when it became known that Powell Crosley, Jr., President of the Crosley Radio Corporation, leader of the independent radio manufacturers, had entered into an agreement with the Radio Corporation of America whereby Crosley is licensed under many of the radio patents held by RCA, General Electric Co., Westinghouse Electric and Manufacturing Co., and the American Telephone and Telegraph Co.

The agreement entitles Crosley to the use of more than 100 basic patents except those covering the principle of the super-heterodyne and super-regeneration. All future laboratory developments of RCA and its associated companies in the field of tuned radio frequency receivers will be available to him.

Stewart-Warner
Matched-Unit Radio



Receiver Model 325 - New Reproducer -
Now \$52⁵⁰ Without Model 415 -
Accessories: \$31⁵⁰

This Efficient Radio Will Separate the Southern California Stations!

The Model 325 Stewart-Warner receiver with its famous U. S. Navy receiving circuit has proved to be one of the most efficient units ever offered for sale on the Pacific Coast. With it Preston and many others regularly played Japanese and Australian stations during the past "DX" season. It has been widely acclaimed by radio enthusiasts both in congested city locations and in smaller communities where reception conditions are ideal.

This five-tube receiver, for all its efficiency, is moderately priced. It has splendid volume, wonderful tone and its selectivity is noteworthy. You cannot go wrong on the purchase of a Stewart-Warner radio, reproducer or Stewart-Warner double tested tubes.

*There's a Stewart-Warner Dealer near
your home who will gladly demonstrate
this equipment. Ask us for his name.*

Stewart-Warner Products Service Station
[Wholesale Distributors Stewart-Warner Radio]
1366 South Figueroa Street ~ LOS ANGELES

KNRC

"The Station with a Smile" is located in the Municipal Auditorium, Santa Monica, California, on the shore of the Pacific. It is managed and announced by Tom Mitchell, whose winning personality and beautiful baritone voice,

keeping them in the best of spirits.

The equipment is of the most modern type, and is presided over by Clarence B. Juneau, who specializes on real quality transmission. R. L. Rust is the getter in charge of the advertising department, and Margaret MacDonald



have made many friends. His "Smiling Circle Hour" daily is one of the most popular programs on the air. It is a real joy hour for the shut-ins of Southern California.

The artists of KNRC can always find plenty of diversion;—surf bathing and the many amusements along the beach,

Shontz is program arranger and studio accompanist.

The station is owned by Kierulff and Ravenscroft, who are distributors for Crosley Radio sets, Burgess Batteries, Majestic B Eliminators, Vesta Trickle Chargers, Cunningham tubes and other radio accessories.

SAVE MONEY!

Have your old set rebuilt into a Five Tube Combination Set

\$25.00 Does It

FREMONT RADIO SHOP

7621 So. San Pedro St. Los Angeles

WANTED—Inside Salesman

By Radio Wholesale Firm

Must have radio and wholesale experience. Apply by letter only, giving particulars as to age, experience, etc.

Address
Box "R" Radio Doings

KGFO Puts to Sea

The splendid new Los Angeles Steamship Company liner, *City of Honolulu*, left Los Angeles last Saturday noon on her maiden voyage to the Hawaiian Islands, carrying on her capacity passenger list many prominent members of the Los Angeles Chamber of Commerce. And "parked" on her forward well-deck was a truck, carrying a portable radio broadcast station, KGFO, over which the Angelenos will tell the "world they left behind" of great sea experiences.

KGFO is a neat, well-equipped 100-watt station, owned and operated by the Brant Radio Power Company of Terre Haute, Indiana. It was designed and built especially for the purpose of visiting all the Hoosier Unit dealers in the country, giving each the privilege of broadcasting local programs. The station will continue to operate on 204 meters, broadcasting the splendid talent always so plentiful on a large passenger ship. Jay Peters, Chief Technician of the station, will be in charge, and probably the well-known voice of "Uncle John" Daggett will be heard announcing the programs.

Much interest is being displayed on the part of the DX hounds, in an attempt to follow the station all the way across.

Battery equipment will be used throughout; in fact, several of the Hoosier Power Units will be connected in series to supply the high voltage to the tubes. These units consist of a six-volt storage battery, a very neatly mounted bank of storage "B" batteries, trickle chargers for both, tube tester and re-activator, all enclosed in a good-looking grained metal case. One switch connects the batteries to the radio set, turns them off or puts them on charge.

Broadcasting at sea has been, as yet, an almost unexplored field, and the

owners are very anxious to learn of the results. The factory, therefore, would appreciate reports from everyone hearing the station, either while at sea or while it is landed in Honolulu, so that they may determine at what distances and at what locations the best results were obtained. Drop a line to KGFO, the Pacific Hoosier Sales Company, 1547 W. Pico, Los Angeles, Calif., giving exact dates and time (Pacific Standard). An unique acknowledgment will be forthcoming.

KFI Popular in the East



Robert Hurd, program manager of Station KFI, exhibiting the cup awarded the Earl C. Anthony station as eighth prize in a popularity contest recently conducted by an Eastern radio magazine.

Lindbergh on the Air

Captain Charles Lindbergh, America's greatest hero, will be the recipient of the greatest welcome ever accorded an American citizen.

According to plans being made by the National Broadcasting Company, the entire reception of Lindbergh at Washington, D. C., by the President and his Cabinet will be broadcast over the combined networks of the National Broadcasting Company between the hours of 9:00 and 11:30 a. m., Pacific Coast time, Saturday, June 11.

Microphones will be installed at the Washington Navy Yard and along the route of the parade on Pennsylvania avenue to the Washington Monument, where over one hundred thousand people are expected to welcome the boy pilot.

Millions will hear the broadcast on their own sets and thousands will make up the audiences which will hear the program over microphones, which will be placed in civic auditoriums and concert halls. Those in isolated sections of the country will be able to hear the program by tuning in on the closest National Broadcasting Company station.

The Pacific Coast network of the Company, including stations KHQ, Spokane; KOMO and KFOA, Seattle; KGW, Portland; KGO, Oakland; KPO, San Francisco, and KFI, Los Angeles, will broadcast the program in this section of the country.

All of America followed Lindbergh's flight and reception in the nations of Europe, but to this country goes the supreme honor of welcoming its own hero, Captain Charles Lindbergh, the flier, the man and the American.

The one big plea of the Federal Radio Commission is that fans bear with them at least during the month of June, in order to give the new set-up a real trial. Assurance is given that any necessary changes will surely be made.

Improve Your Summer Reception

with a

POWELL "B" ELIMINATOR



\$12.25

No tubes, no acids, absolutely no hum. Gives more volume.

Neat in appearance.

H. E. Satterfield, Chief Engr. KPSN, says:

"The 'B' Eliminator recently purchased from you has, to my opinion, operated wonderfully well and I am more than pleased with the satisfactory operation from an eliminator that is sold at such a low figure.

"The workmanship is good and the eliminator itself is fully up to all requirements. I thank you for your prompt service."

ABSOLUTELY GUARANTEED

Dealers and Set Manufacturers: Get our prices on "B" Eliminator Kits for use in your own set.

**Call VERmont 1619
For Information**

**POWELL MFG. CO.
4009 S. Western LOS ANGELES**

S-M Reservoir B Supply

(Note—This is the third of a series of articles for the home-constructor. Last week the SC II set was described and illustrated. In this article we are giving the outstanding features of a B supply unit, especially designed for the fan who finds enjoyment in putting together his own equipment.)

The Silver-Marshall 652 B power supply unit was expressly designed for the home-constructor. It is a high quality eliminator for use with any standard radio receiver. It will operate on any 60 cycle alternating current home lighting circuit, the voltage of which falls within the limits of 105 to 120 volts. As its name implies, the "Reservoir B" has



sufficient reserve capacity to operate a receiver employing from one to ten tubes. A maximum of 20 milliamperes may be obtained from the 180 volt tap, 45 to 50 milliamperes from the 90 volt tap, and from 1 to 10 milliamperes from the 45 volt tap. The voltage obtained from one tap will not react appreciably on the output of the other taps, and the reserve capacity is such that large instantaneous current drains, demanded in the reception of strong signals, will be supplied without appreciable voltage fluctuation which, in the case of ordinary eliminators, is largely responsible for poor quality of reproduction.

Through the use of a carefully designed and unusual filter system, the filtration is excellent, and the terminal reactance surprisingly low—on the or-

der of a few ohms at common audio frequencies. It is this low terminal reactance, normally only obtainable with 100 or more microfarads of bypass capacity, that allows the 652 unit to operate sensitive receivers which will go into uncontrollable oscillation when operated from ordinary eliminators, and it also accounts for the fact that the 652 unit will always allow of as good low note reproduction as new batteries.

The unit is provided with one negative binding post and three positive binding posts, enabling three different voltage to be obtained. The 45 volt post will supply sufficient voltage and current for the operation of either an ordinary detector tube as found in the average radio receiver or an oscillator and two detectors as found in many superheterodyne receivers. The 90 volt tap will supply from zero to 45 milliamperes (sufficient current to take care of from six to seven RF amplifier tubes) with a voltage variation of less than three per cent. The 180 volt tap will supply this voltage at no load and, under a 20 milliampere load, such as would be drawn by a UX171 tube, the voltage will be between 160 and 170 volts, depending upon actual line voltages. (This value is ample for the satisfactory operation of a 171 tube, and, in fact, is higher than that obtained with most eliminators.)

Due to the fact that the voltage of the 652 unit can never rise above 180 volts, the strain imposed upon bypass condensers in a receiver is negligible as compared to that imposed upon receiver condensers by ordinary eliminators, the open circuit voltage of which frequently rises to 250 or 300 volts.

A very important point is that with normal receiver current consumption no "putting" or "motorboating" sounds will be experienced with the 652 unit. The average eliminator will vary at the rate

S-M Reservoir B Supply

of 1½ volts per milliampere, if well designed; whereas, the 90 volt tap of the 652 unit, for example, will vary at the rate of only .07 volts per milliampere, the voltage regulation in this latter case obviously being many times superior to that of ordinary eliminators (without resultant decrease in troubles from motorboating and poor quality of reproduction due to insufficient reserve capacity in the eliminator itself). The parts required are as follows:

- 1—S-M 329 power transformer
- 1—S-M 331 Unichoke
- 1—S-M condenser bank
- 2—S-M 511 tube sockets
- 1—S-M (Ward-Leonard) 652 resistance
- 1—Pierced and enameled steel base
- 4—binding posts
- 4—sets binding post insulating washers
- 4—soldering lugs
- 12—feet Kellogg hook-up wire
- 10—6/32"x½" R.H.N.P. screws
- 10—6/32 nuts
- 4—Rubber bumper feet with screws

The wiring diagram and further instructions will be given next week.

COPELAND MAY BECOME BROADCASTER

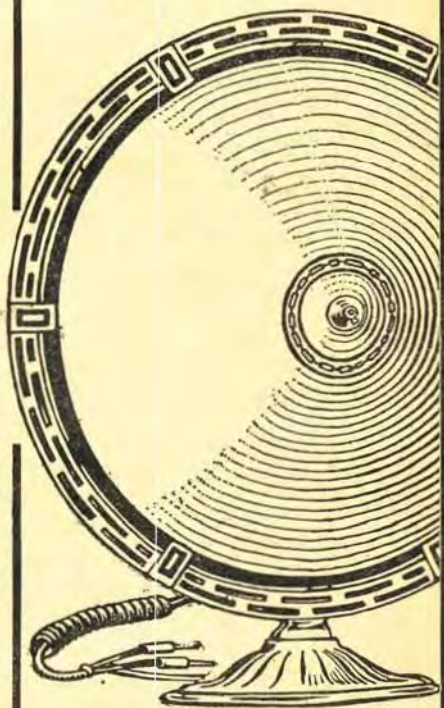
It has become known that Senator Royal Copeland, of New York, who is a medical doctor by profession, has under consideration an offer from Station WGL, in New York, to broadcast a series of talks on health and nutrition. Senator Copeland said the offer was interesting and attractive to him, but that he had not yet definitely decided to accept it.

For the third consecutive year, Los Angeles station KHJ sends a group of broadcast entertainers to Honolulu on the annual Chamber of Commerce excursion to the islands. The group this year will include Uncle John and Pal O' Mine, KHJ's manager and wife; the KHJ Concert Trio, Neya Chilberg, Lela Davies and Helen Davis; and Faynette Munroe, "Dixie's Daughter," in pianologues and vocal solos.

Herald

\$13.75

A FREE-EDGED cone speaker, 18 inches high, with protecting metal frame. Compare this handsome new Herald for volume and tone with any higher priced speaker at your dealer's.



BAKER-SMITH CO., INC.
 Call Bldg., San Francisco, Cal.
 Selling Representatives for Pacific Coast

KUPROX

No Bulbs • No Liquids • No Noise

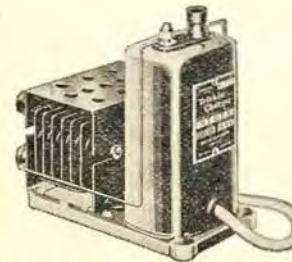
Requires no Attention



NO Watering
 Adjusting
 Cleaning
 Corroding

Install it - Forget it!

Replaces Acids, Liquids, Bulbs in Trickle Chargers



Balkite Trickle equipped with KUPROX Replacement. Originally gave .5 amp.—now charges at 1 ampere.



KUPROX

No Bulbs • No Liquids • No Noise

Makes any trickle charger bone dry . . . give twice the former charging rate!



KUPROX replaces the acid jar in all standard chargers and power units. Disconnect and throw it away—acid and all.

Throw away the acid in your Trickle Charger or Power Unit. Replace the troublesome jar with the new dry all-metal KUPROX Replacement Unit. Makes any charger absolutely dry and doubles the former charging rate—eliminates watering and all other attention.

KUPROX can be attached to any Trickle Charger or Power Unit in two minutes. See it at your dealer.

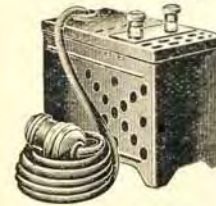
LIST PRICE—With Full Installation Instructions **\$4.50**

THE KODEL RADIO CORPORATION
 CINCINNATI, OHIO

BERTRAM SMITH

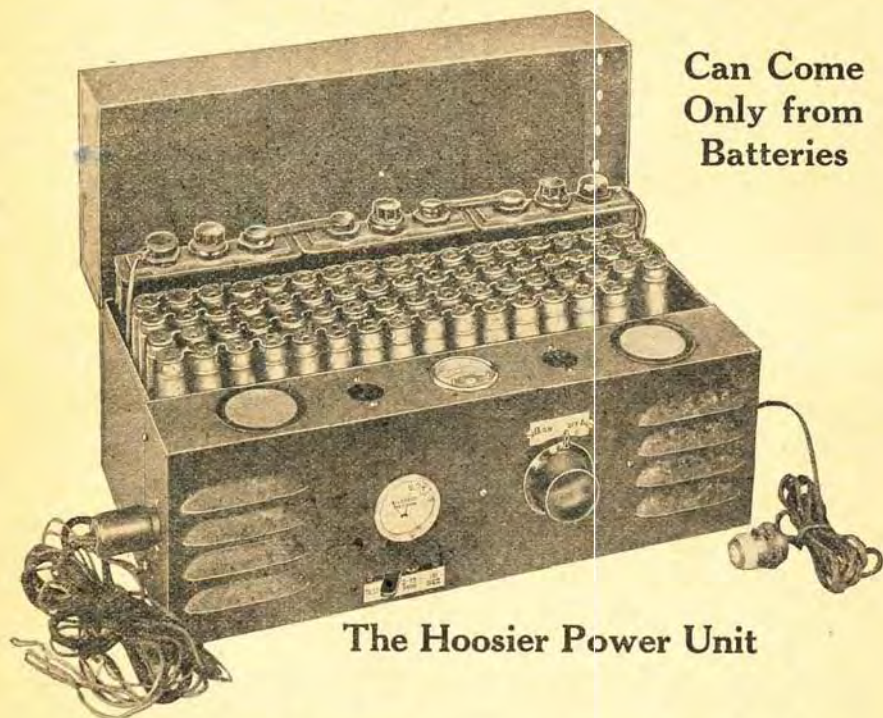
Western Sales Manager

400 San Fernando Bldg., Los Angeles
 Phone: VAndike 3269



KUPROX Trickle Charger gives full 1. ampere rate. Larger model also gives 2½ ampere booster charge.

Smooth, Steady Direct Current



Can Come
Only from
Batteries

The Hoosier Power Unit

That is why every famous DX-getter uses them; why all broadcast stations rely upon them. If you desire perfect radio reception, let us show you how you may have batteries without the usual battery troubles. Neatness and efficiency are yours in a HOOSIER.

Call or Write for Full Particulars

Manufactured By

BRANT RADIO POWER CO.

TERRE HAUTE, INDIANA

Distributors for Pacific Coast

PACIFIC HOOSIER SALES CO.

1547 W. Pico St.

WA. 6983

Los Angeles, Calif.

Champion Orange Packer Wins Radio

That Miss Marjorie Richards of Orange was "tickled to death" as she expressed it when presented with the bill of sale for the Atwater Kent radio, donated by Ray Thomas, Inc., Southern California Distributors of the Atwater Kent radio, for winning the world's



championship orange packing contest at the California Valencia Orange show at Anaheim, California, last month, was putting it mildly.

Although Miss Richards won several prizes, among them being a silver loving cup and three checks for \$100 each, the radio was the one most cherished.

Miss Richards scored 915.66 points out of a possible 1000. In addition to being awarded the world's championship title, she had the honor of being a member of the winning team.

"Papa, what's Scotland Yard?"
 "I'm not sure, son, but I think it's a little less than three feet."—Charles Hamp, over KMTR.

Mica Condensers in the Making

Because of the low price paid for it, the mica condenser, or micadon, would seem a simple thing to make. Yet there are a dozen and a half major steps involved in the making of the Dubilier Micadon, and all the research and engineering and production skill of an organization specializing in condensers to meet the rigid specifications imposed.

The production of mica condensers or micadons starts out with the mica itself, which is a special grade imported from India. The mica is cut to size and is crystal clear, quite unlike the mica with which we are generally familiar. The tiny sheets must now be gauged in thousandths of an inch, since the thickness of the mica separation determines the capacity of the condenser. Girls, equipped with direct-reading micrometer calipers, rapidly yet accurately gauge the almost countless sheets of mica and sort them out according to thickness.

The next step is to test the mica electrically. Each piece is subjected to a veritable lightning storm, with miniature bolts flashing all over the surface of each sheet, seeking a weak spot to smash through.

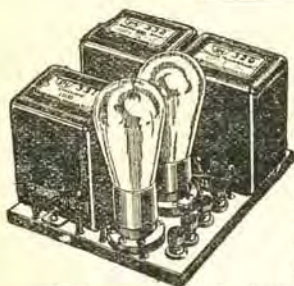
Meanwhile, the tinfoil is cut into pieces of the requisite size. This stock is thicker than the tinfoil used in paper condensers.

The assembly of the micadon is handled by skilled girls, working with ingenious jigs that insure the positive alignment of mica sheets and tinfoil strips. Alternate pieces of tinfoil and mica are stacked up in the jig until the requisite condenser has been constructed. The pile is then clipped together. Still, the condenser is not completed. It must be made absolutely permanent—sealed against moisture and any pos-

(Continued on Page 85)

SM

The B Supply with a Punch



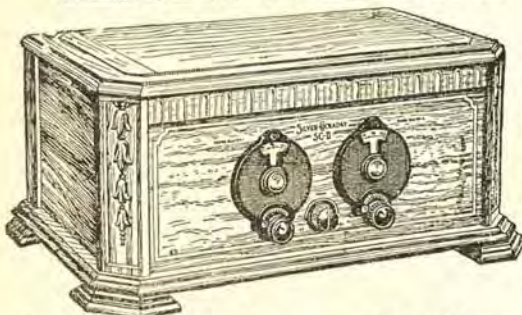
The Reservoir B supply, enthusiastically chosen by Keith Henney, Director of Radio Broadcast Laboratories, for his personal use, is setting new standards of B supply performance, for it is free from "hum," "motor-boating," or "putting" noises.

You can connect one up in an hour or two, hook it to your set—any set—and enjoy reception with the positive assurance of constant, even voltages. The 652 will deliver up to 10 milliamperes at 45 volts, up to 45 milliamperes at 90 volts with less than 5 per cent voltage variation and plenty of juice on the 180 volt tap for a 171 power tube or two!

And remember—the 652 B is guaranteed to give more satisfactory results than you've ever had with any B eliminator—day in and day out to work exactly as will fresh new batteries.

Price \$34.50, less one CX-374 and one CX-313 tube.

RESULTS PLUS WITH THE S-C II



The S-C II receiver designed by McMurdo Silver and Laurence M. Cockaday is astounding Los Angeles with its performance. Kenneth Ormiston, operating his S-C three blocks from a powerful local station, is able to cut through to San Francisco, Seattle, Denver, Portland and beyond. Another builder finishing his set at

three o'clock in the afternoon, pulled in Vancouver right off the bat!

Take home a set of parts—your dealer has them—and after a couple of hours' fun in the kitchen, hook 'er to your speaker and listen to the stations pound in.

And as you lean back and pull on the old pipe, you get a sense of satisfaction and money saved as the family, one and all, say, "There, that's real music."

Then as you look with pride at the S-C II you've built all yourself, you'll appreciate its big value—complete individual shielding, sturdy steel chassis and panel, its two simple tuning dials, tone quality that pleases even the neighbors—real value and satisfaction just sticking out all over, and it cost you only \$64.35, plus lots of fun.

Ask your dealer for a booklet on the S-C II, or write direct.

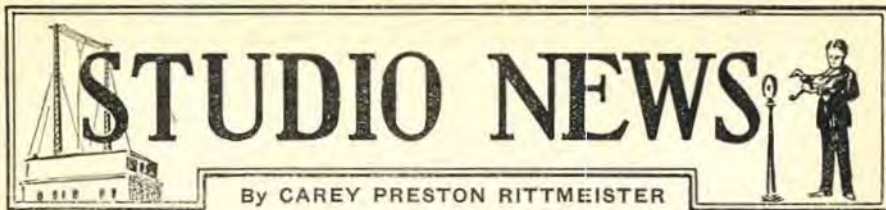
SILVER-MARSHALL, INC.

Factory Representative

• ERNEST WALKER SAWYER

487 Chamber of Commerce Bldg.

LOS ANGELES



STUDIO NEWS

By CAREY PRESTON RITTMESTER



"C. P. R."

I can't begin to tell the number of times I have been asked these questions about one of the local radio announcers. "What was he before he became an announcer?" "Where did he come from?"

and one pert young thing sent me the ditty directed to—or at—Harold Isbell,

*"Where did you come from,
Announcer dear, out of the everywhere
into the here?"*

*And where did you get those eyes so
blue?"*

Out of the ether as you came through?"

So I put the question to Mr. Isbell and he told me that he spent five years in Lyceum and Chautauqua work, musical and dramatic, two years on the legitimate stage in dramatic productions, barn-storming and otherwise, and that he left the University of Illinois after two years to take up this stage work, although his father, a lawyer, had planned for his son to follow in his footsteps. When Mr. Isbell decided that he had enough of the show business, he went to work for the Standard Oil Company in Los Angeles, and it was during their first series of programs at KFI that he was called upon to make some announcements for the company, resulting in an offer from the KFI management to fill a vacancy then existing. So, that's where Harold Isbell came from, and he confided to me that what he wonders is "Where he is going." To forestall a question sure to be asked as to what

radio announcers are made of, Harold is made of sugar and spice and everything nice. He really is an awfully nice chap.

Many times you have tuned your radio to listen to an orchestra of exceptional merit, led by Edmund Foerstel, violinist. Mr. Foerstel is one of the happiest men I know just now, for the Foerstel men, three brothers and father, after twenty years' separation, are reunited in Edmund Foerstel's delightful Los Angeles home on the top of a very high hill. I had the great pleasure of hear-

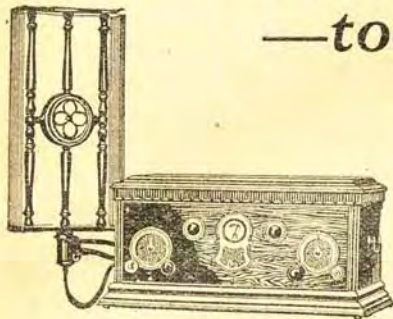


ing them play quartet, last week, and I believe you may soon have that pleasure if you happen to tune in when they are on the air. The father is 72 years old, and has just come from Leipsig, where his life has been spent in playing

(Continued on Page 85)

Stromberg-Carlson

—yesterday



—today

—tomorrow

The Standard by
which fine Radio
Receivers are
measured

Authorized Stromberg-Carlson Dealers:

LOS ANGELES

DONNELLS MUSIC Co.
3831 Wilshire Blvd.

CHAPMAN-HOUSE
RADIO Co.
4377 South Figueroa

BOULEVARD FURNITURE Co.
1568 West Washington

HEATH ELECTRIC Co.
5203 Beverly Blvd.
1052 North Western

SHEPHERD RADIO SERVICE
7562 Sunset Blvd.

STONE ELECTRIC Co.
710 West Pico St.

LOS ANGELES

FITZGERALD MUSIC Co.
727 South Hill St.

LONG BEACH
HUMPHRIES MUSIC Co.
431 Pine Ave.

FULLERTON
E. B. FINSETH
150 E. Commonwealth

MONROVIA
MACK MUSIC Co.
516 Myrtle Ave.

SAN PEDRO
McWHINNIE ELECTRIC Co.
1825 S. Pacific

PASADENA

PREMIER RADIO CORP.
11 California St.

ASHTON'S RADIOELECTRIC
STORE
1762 East Colorado

VENTURA
A. B. WHITE
409 California


SANTA PAULA
FAY HARWOOD

VENICE, OCEAN PARK
SANTA MONICA
VENICE RADIO SHOP
1227 Washington Blvd.

*Stromberg-Carlson Receivers can be purchased on convenient terms.
Your present set accepted in trade from one of the above dealers.*

Western Radio, Inc.

WHOLESALE DISTRIBUTORS FOR SOUTHERN CALIFORNIA



TECHNICAL SERVICE DEPARTMENT

Conducted by K. G. ORMISTON

Why Filament Rheostats Should Not Be Used for Volume Control

This department has repeatedly cautioned against using a filament rheostat for the purpose of controlling volume. We have again and again stated that all tubes should at all times be operated under the full normal filament temperature, and that decreasing the filament current to reduce volume introduces distortion. Several readers have written to ask why such a condition exists, and some have suggested that we are all wet on the subject. We are, therefore, going into the question more thoroughly, and inasmuch as it is rather difficult of explanation without the use of tube characteristic curves we are resorting to their use, but hope to make the matter sufficiently clear, notwithstanding.

The heated filament in a vacuum emits electrons. Electrons are minute charges of negative electricity. They are attracted to the plate which is positively charged, due to its connection to the B battery. This stream of electrons from filament to plate results in a current in the plate

circuit. The grid is interposed between filament and plate, and by varying the voltage impressed upon it, we control the electron stream. When the grid is negative, it repels electrons emitted by the filament driving them back to their source, and hence reduces the number which reach the plate,—this, in turn, reducing the current in the plate circuit.

When the grid is positive it attracts electrons from the filament, preventing them from returning to it as many naturally would do, and a greater number therefore reach the plate, increasing the plate circuit current. By causing variations in the grid potential we therefore cause corresponding variations in the plate current, and the fact that we can use small variations to produce large ones, gives the tube its usefulness as an amplifier.

From the above elementary description we see that there are three elements which effect our flow of electrons;—the temperature of the fila-

(Continued on Page 37)

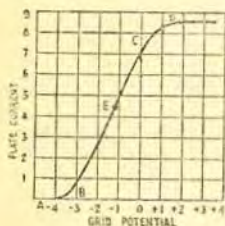


Fig. 1

ment temperature, and that decreasing the filament current to reduce volume introduces distortion. Several

readers have written to ask why such a condition exists, and some have suggested that we are all wet on the subject. We are, therefore, going into the question more thoroughly, and inasmuch as it is rather difficult of explanation without the use of tube characteristic curves we are resorting to their use, but hope to make the matter sufficiently clear, notwithstanding.

The heated filament in a vacuum emits electrons. Electrons are minute charges of negative electricity. They are attracted to the plate which is positively charged, due to its connection to the B battery. This stream of electrons from filament to plate results in a current in the plate

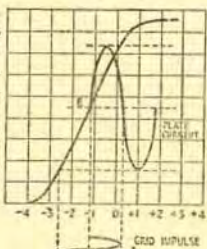


Fig. 2

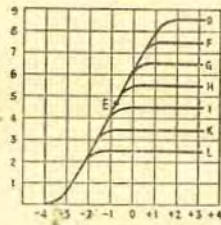


Fig. 3

ment driving them back to their source, and hence reduces the number which reach the plate,—this, in turn, reducing the current in the plate circuit.

When the grid is positive it attracts electrons from the filament, preventing them from returning to it as many naturally would do, and a greater number therefore reach the plate, increasing the plate circuit current. By causing variations in the grid potential we therefore cause

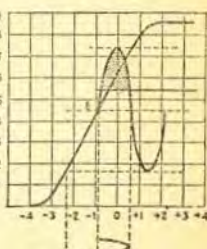



Fig. 4

DX-TESTED

Cunningham
RADIO TUBES

Will Give You
Clear Beautiful Reception in Summer As Well
As Winter

Insist On
This 
DX-Tested
Label



This Label
Means Tubes
Tested for
Actual
Distance
Reception

DX-Tested Cunningham Radio Tubes can be purchased at any dependable Radio Dealer. Do not accept any substitute. Insist on the DX-Tested label. They will not cost you one cent more. No advance in price.

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*WALTER M. FAGAN
PRES. - DIST.*

1320 S. San Pedro St.

WE. 4358

LOS ANGELES

Technical Service Department

(Continued from Page 35)

ment, the voltage on the plate; and the voltage on the grid. Now, if we operate a tube at full filament temperature, and measure the plate current with different grid voltages and plot a curve from the results we have a graph as indicated in Fig. 1. With the grid at 4 volts negative, in this particular case, the plate current is zero, because no electrons get by the barrier to the plate. Then as the grid is made less negative, more electrons get through, increasing the plate current gradually, until with zero potential on the grid we have a plate current of 7. Now, with reversed polarity, the grid is gradually made positive with respect to the filament and our plate current continues to increase until a saturation point is reached (in this case at D), about 8.5 milliamperes. Here we have all the electrons which we can possibly get from the filament at its full temperature going through to the plate.

Now, when the tube is used in radio reception, the incoming signal produces a variation in the grid potential as indicated at the bottom of Fig. 2, marked "grid impulse." We are assuming a normal grid potential here of about 1 volt negative. The incoming signal produces a swing of over a volt in each direction. It is readily seen what the effect in the plate circuit will be. The change in the plate current is indicated by the curve marked "plate current."

Now consider Figure 3. The top end of the curve (marked D) is just the same as our Fig. 1. It represents the tube characteristic with full filament temperature. Suppose we cut down the filament temperature by turning back the filament rheostat and reducing the filament current. The saturation point naturally comes down because there are less electrons being given off by the

filament. Our curve flattens out on top, becoming F, G, H, etc., as the rheostat is turned back.

Let us assume that we are operating with a filament temperature which gives us the curve H. In other words, we have cut the available number of electrons being given off by the filament so that with a grid potential which gives the maximum plate current we only have 5.5 milliamperes.

Now what happens when a signal comes along? In Fig. 4 we have the same grid impulse as in Fig. 2. But since our saturation point occurs at 5.5, no matter what happens to the grid we cannot get a greater current in the plate circuit, and hence the portion of the plate circuit swing shaded in Fig. 4 will be entirely lacking. Our normal steady plate current is 4.5 at the normal 1 volt negative grid potential. And whereas in Fig. 2 the grid impulse gave us a plate current variation of from 1.5 to 7.5, that is impossible now, since our upper limit is 5.5, and we therefore have a distorted wave-form, which swings from 4.5 to 1.5 in one direction, but only from 4.5 to 5.5 in the opposite direction. This lopping off of the top of the wave-form is bound to show up in the output as distortion and do considerable damage to the quality of reproduction obtained.

Every tube in the set should operate at its normal rated filament current, and with the proper B to C voltage relationship at all times. No set should employ a volume control which disturbs any of these three elements to such an extent that the efficiency of the tube is impaired from the quality reproduction standpoint. There are several means of controlling volume which cannot introduce distortion.

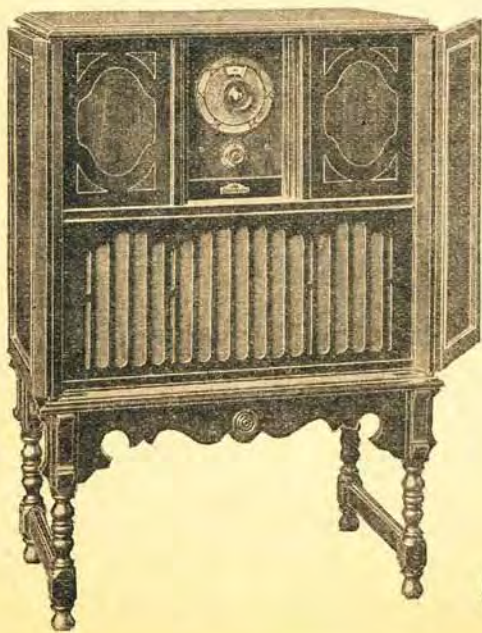
ECLIPSE

R A D I O

Your Idea of Radio

In the creation of the Commodore, Eclipse has developed your ideal in radio. In the quality of its reception, efficiency of its performance, simplicity of its operation and beauty of its design, Commodore has no peer. This is the unanimous opinion of all who have had the pleasure of seeing and hearing this truly remarkable receiver.

Precision methods of manufacture with frequent and rigid inspections builds into Eclipse radios an unusual high standard of quality and uniformity. **This high standard of quality is backed by an absolute guarantee of one year against any defects in material or workmanship.**

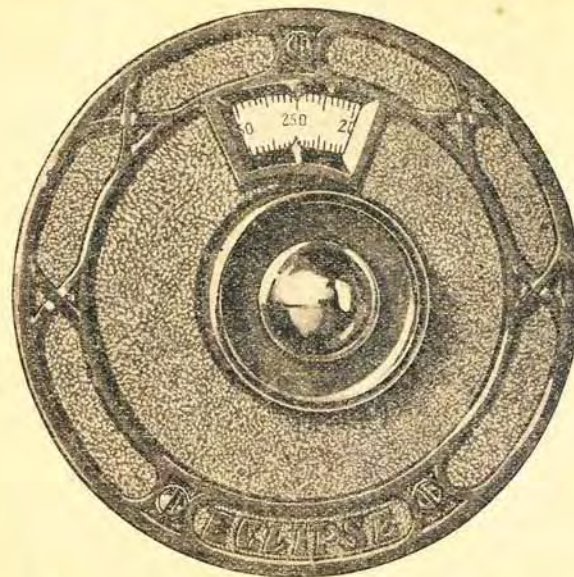


A truly one-dial control calibrated in wave lengths, fully, illuminated. A beautifully finished American Black Walnut Cabinet with self-contained Rola cone speaker and ample room for batteries or eliminator.

Six Tubes



Commodore



True Simplicity in this One Dial Calibrated in Meters

The one tuning dial on the Commodore is calibrated in wave lengths. This dial is marked from 190 meters, covering the entire broadcast wave band. Absolute accuracy is obtainable at all wave lengths.

Indirect lighting affords excellent illumination of the dial. The only other control is the volume dial, making but two operations necessary to bring in a broadcast station. Turn the set on (volume control dial)—then turn the tuning dial to the station you want. For example KMTR at 379 meters—turn the dial to 379. After June 15th, KMTR is scheduled to broadcast on 526 meters. You would only have to turn the dial to 526 to bring KMTR on their new wave length.

ECLIPSE MANUFACTURERS, INC.

Southern California Distributors

PACIFIC WHOLESALE INC.

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DEALERS: *There are a few territories open. Communicate at once for details.*

Anten-A-Liminator

New Model Adjustable

Here is the way to make that radio perform "as advertised."

Anten-A-Liminator will give you all the selectivity in the world—making it possible to separate the stations on the lower wave band. And you will enjoy a much improved reception without the interference of extraneous noises.

Anten-A-Liminator is a compact instrument that can be put inside or outside your cabinet—installed in a jiffy.

The nine dollars and a half you "lay on the line" is like "bread cast upon the waters," in terms of results. If your radio dealer knows the war is over he'll have an Anten-A-Liminator—otherwise phone us.

Manufactured by
Browning Products Corp., Ogden, Utah

Price **\$9.50** Complete

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DEALERS

Here is one of the fastest selling radio accessories on the market. Write for particulars.

JOBBERS

Sterling Dependable Socket-Power Units

SUNDAY TIME TABLE

ADJUSTED TO PACIFIC TIME
(X) Indicates Station Is On The Air

10-12 A.M.			12-2 P.M.			2-4 P.M.			4-6 P.M.			STATIONS		6-8 P.M.		8-10 P.M.		10-12 P.M.															
10:00-10:30	10:30-11:00	11:00-11:30	11:30-12:00	12:00-12:30	12:30-1:00	1:00-1:30	1:30-2:00	2:00-2:30	2:30-3:00	3:00-3:30	3:30-4:00	4:00-4:30	4:30-5:00	5:00-5:30	5:30-6:00	CALL	Wave Length Meters	Power in Watts	STATION	6:00-6:30	6:30-7:00	7:00-7:30	7:30-8:00	8:00-8:30	8:30-9:00	9:00-9:30	9:30-10:00	10:00-10:30	10:30-11:00	11:00-11:30	11:30-12:00		
SOUTHERN CALIFORNIA																																	
																X K M T R	526	500	Hollywood	X	X	X	X	X	X								
								X	X							K F I	468	5000	Los Angeles	X	X	X	X	X	X	X	X	X	X	X			
									X	X						K F S D	441	500	San Diego														
X	X	X	X	X												K H J	405	500	Los Angeles			X	X	X	X	X	X						
X	X	X						X				X	X	X	X	K N R C	375	500	Santa Monica	X	X	X	X	X	X	X	X	X	X	X	X		
X							X	X								K F W B	361	500	Hollywood							X	X	X	X	X	X		
																K W T C	341	5	Santa Ana		X	X											
X	X	X	X				X	X	X	X		X				K N X	337	500	Los Angeles	X	X	X	X	X	X	X	X	X	X	X	X		
X	X	X														K P S N	316	1000	Pasadena		X	X											
X	X	X	X						X	X						K T B I	288	500	Los Angeles	X	X	X	X	X	X	X	X						
X	X	X	X					X	X	X	X					K F S G	275	500	Los Angeles	X	X	X	X	X	X	X	X	X	X	X	X	X	
X	X											X	X	X	X	K G E F	263	500	Los Angeles				X	X	X	X	X	X	X	X	X	X	
X	X	X	X	X	X	X	X					X	X	X	X	K F X B	252	500	Los Angeles	X	X	X	X	X	X	X	X	X	X	X	X	X	
	X	X	X				X	X	X	X	X	X	X	X	X	K F O N	242	500	Long Beach	X	X	X	X	X	X	X	X	X	X	X	X	X	X
																K F Q Z	232	100	Hollywood				X	X	X	X	X	X	X	X	X	X	
X	X	X	X													K P P C	229	50	Pasadena		X	X	X										
							X	X	X	X						K E L W	229	250	Burbank														
X	X															K M I C	224	250	Inglewood			X	X	X	X								
			X	X								X	X	X	X	K F W O	219	250	Catalina	X	X	X	X	X	X	X	X	X	X	X	X	X	
			X	X												K F C R	211	50	Santa Barbara				X	X									
X																K F V D	208	250	Venice	X	X	X	X	X	X	X	X	X	X	X	X	X	
NORTHERN CALIFORNIA																																	
																X X K F R C	454	50	San Francisco	X	X	X	X	X									
X	X						X	X	X	X						K P O	422	1000	San Francisco	X	X	X	X	X	X	X	X	X	X	X	X		
	X	X	X				X	X	X	X						K G O	364	5000	Oakland		X	X	X	X	X	X	X	X	X	X	X		
	X	X	X	X												K Y A	309	500	San Francisco				X	X	X								
X	X	X	X	X												K O W	297	500	San Jose			X	X	X	X								
X	X	X	X	X												K T A B	260	500	Oakland			X	X	X									
							X	X	X							K F W I	268	500	San Francisco	X	X	X	X	X	X	X	X	X	X	X	X		
X	X															K R E	256	100	Berkeley														
NORTHERN AND WESTERN STATES																																	
X	X	X	X					X	X	X	X					K G W	491	1000	Portland				X	X	X	X	X						
X	X	X														C F A C	435	2000	Calgary														
	X	X														K J R	349	2500	Seattle				X	X	X	X	X	X	X	X	X		
X	X	X	X					X	X	X	X					K O A	326	5000	Denver		X	X	X	X	X	X	X	X	X	X	X	X	
X	X	X	X	X	X											K O I N	319	1000	Portland	X	X		X	X	X	X	X	X	X	X	X	X	
X	X	X	X	X	X											K O M O	306	1000	Seattle	X	X	X	X	X	X	X	X	X	X	X	X	X	
X	X						X	X								K S L	303	1000	Salt Lake City			X	X	X	X								
																K L Z	268	250	Denver		X	X	X	X									
X	X	X														K M O	254	250	Tacoma	X	X												
							X	X	X	X	X	X	X	X	X	K E X	240	2500	Portland	X	X	X	X	X	X	X	X	X	X	X	X	X	X

ATTENTION, YOU DX HOUNDS!
Kill Old Man Static and Keep Your Distance This Summer by Installing the
BOB ROBINSON BLUE VITRIOL GROUND

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A "DX" RECORD Worth While..... And the PRESTON Ground Helped Bring 'Em In!

The fact that two of the best known distance reception records on the Pacific Coast were made with receivers hooked up to the Preston Permanent Radio Ground is extremely significant.



William MacDonald, of Chula Vista, California, with a record of over 630 stations to his credit, uses the Preston Ground and now comes a letter from G. Bennett Van Buren, Oakland, California, whose log consists of 622 stations . . . 140 of them foreign to the United States. The Preston Permanent Radio Ground is not an experiment. It is a positive and efficient ground connection of high conductivity, manufactured to conform to well proven scientific principles, and thoroughly tested in practice for nearly two years before it was offered for sale as an aid to radio reception.

It will, when installed in accordance with the simple instructions accompanying it, (an extremely simple process), greatly increase volume, selectivity and reception range, as well as eliminate all extraneous noises due to faulty ground connections which are sometimes confused with static.

You have nothing to lose by trying the Preston Permanent Radio Ground. It is sold on a guarantee of satisfactory performance. Ask your dealer for one TODAY.

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Distributors for No. Calif. Oregon & Washington
122 Broadway - Oakland, Calif

Notice to Dealers

The Preston Permanent Radio Ground is a volume seller and insures good profits. The discounts are right . . . the product is all we claim for it . . . our guarantee protects both your customer and yourself. Communicate with your nearest distributor NOW or send us name of your jobber.

G. BENNETT VAN BUREN
1285 VENTURA AVE.
LOS ANGELES, CALIFORNIA

May 18th, 1927.

Mr. C. H. Preston,
11285 Ventura Boulevard,
Los Angeles, California

My dear Mr. Preston:

I have been using your 'Permanent Radio Ground' for some time and find its efficiency vastly superior to all others with which I am familiar and experimented with. Since the chemicals contained within the instrument form within itself a spongy mass of copper when buried and left in actual contact with the moist earth it is obvious that this process of disintegration must result in a permanency and its efficiency is self-evident.

I found that it increased volume and distance capabilities tremendously and since its addition has been made to my receiver have added nearly 60 more stations to my present log of 662 broadcasters and of this number 140 are foreign to the States. I have held WKBO Jersey City, N.J. for 65 minutes and I have a letter from them stating that this is a record for their station. I have been the recipient of a five hour broadcast from WSBT South Bend, Indiana from the hours of 6 to 11 P.M. I played such very low power stations as: CFCG Brantford, Ontario; CKOC Hamilton, Ontario; WBSO Wellesley Hills, Massachusetts; WBMS Union City, N.J.; WFRU Brooklyn, N.Y.; WIBI Philadelphia, Pa; WQBC Memphis, Tennessee; KZIU Juneau, Alaska. The latter two operate on 15 and 10 watts respectively. The following stations transmit on extremely low power and are foreign to this country: KRC Shanghai, China; 6ST Stoke-On-Trent, England; SBE Sydney, Australia; KZIB Manila, Philippine Islands. These were received only since utilizing your 'Permanent Radio Ground' and I might add that KZIB uses but a 20 watt output!

I have often told my associates that, however, much might I exert myself to give a complete account of it, I could not speak with its results, nor could I write it, for, truly, I am so amazed with its results that I can not exemplify its qualities and true criterion. Now, therefore, I shall be brief, for I realize that all I might say would be too little. I assure you Mr. Preston that in my belief, there can hardly be a more expedient instrument to ameliorate radio reception. I shall most heartily recommend it.

With best wishes and kindest personal regards, I am

Ever yours very sincerely,

G. B. Van Buren

The Preston Permanent Radio Ground is Distributed in Chicago by:

HARRY ALTER
18th & Michigan

PARAMOUNT ELEC. SUPPLY CO.
160 West Lake St.

Complete List of Broadcasting Stations in the United States

On June 15th the temporary permits under which all stations have been operating were cancelled and the 60-day licenses issued by the Federal Radio Commission became effective. These assignments are expressed in kilocycle frequency rather than in meter wave-length. It is the desire of the Commission that the "frequency" form of measurement be used hereafter both by broadcasters and listeners, that we may gradually work away from the meaningless wave-length term.

However, that our readers who still find it difficult to think in terms of frequency may not be too greatly confused, we have given the corresponding wave-length for each station in the following table. In nearly all cases the wave-length corresponding to the assigned frequency figures out to a fraction, but we have eliminated the decimal and given the wave-length in the nearest full meter.

Where two or more stations in the same locality are assigned the same frequency, it is understood that they will be forced to mutually agree upon a division of time.

CALL LETTERS	Freq. Kilo.	Wave Length	Power	CALL LETTERS	Freq. Kilo.	Wave Length	Power	CALL LETTERS	Freq. Kilo.	Wave Length	Power
WAAD	1120	268	25	WCBE	1320	227	5	WFKB	1340	224	50
WAAF	770	389	500	WCRH	1240	242	100	WFKD	1460	205	100
WAAM	860	349	500	WCBM	780	384	100	WFLA	1410	213	1000
WAAT	1220	246	300	WCBR	1490	201	100	WFRL	1370	219	500
WAAX	800	375	500	WCBS	1430	210	250	WGAL	1190	252	15
WABC	920	326	2500	WCGO	740	405	500	WGBB	1220	246	400
WABF	1460	205	250	WCDA	1420	211	500	WGBG	1080	254	15
WABI	770	389	100	WCDB	620	484	1500	WGBF	1270	236	250
WABO	1290	232	100	WCGU	1420	211	500	WGBI	1300	230	100
WABQ	1410	213	500	WCLO	1320	227	100	WGBS	860	349	500
WABR	1070	280	50	WCLS	1390	216	150	WGBX	770	389	500
WABW	1210	248	50	WCMA	1160	258	250	WGCP	1070	256	500
WABY	1210	248	50	WCOA	1200	250	500	WGES	1240	242	500
WABZ	1210	248	50	WCOC	1300	231	100	WGHF	1230	244	1500
WADC	1250	240	1000	WCOM	1260	238	100	WGL	1170	256	500
WAFD	1370	219	250	WCOT	1330	225	50	WGMU	1490	201	100
WAGM	1330	225	50	WCRW	1340	224	500	WGN	980	306	15000
WAGS	1390	216	5	WCSH	830	361	500	WGR	990	303	750
WAIU	1490	201	10	WCSS	1170	256	500	WGST	1110	270	500
WALK	1490	201	50	WCWS	1490	201	100	WGWV	1370	219	500
WAMD	1330	225	500	WDAD	1330	225	500	WGY	770	379	30000
WAPI	610	491	1000	WDAE	1120	268	500	WHA	940	319	750
WARS	1320	227	500	WDAF	810	370	1000	WHAD	1020	294	500
WASH	1170	256	250	WDAG	1140	263	250	WHAM	1680	278	500
WASN	1300	231	100	WDAL	1280	236	100	WHAP	1270	236	1000
WATT	1490	201	100	WDAY	830	361	250	WHAR	1100	270	750
WBA	1100	273	500	WDBJ	1300	230	250	WHAS	650	461	500
WBA	1000	300	500	WDBK	1320	227	250	WHAZ	790	379	500
WBAL	1050	285	3000	WDBO	1250	240	500	WHB	890	337	500
WBAO	1120	268	100	WDBZ	1390	216	50	WHBA	1150	256	10
WBAP	600	500	1500	WDEL	1130	265	100	WHBC	1270	236	100
WBAA	1210	248	100	WDGY	1150	261	500	WHBD	1350	222	100
WBAX	1200	250	100	WDOD	1180	254	500	WHBF	1350	222	100
WBBC	1320	227	500	WDR	1090	275	250	WHBL	1470	204	100
WBBL	1210	248	100	WDWF-WSL	780	384	500	WHBM	1490	201	100
WBMM	1210	248	1000	WDWM	1270	236	500	WHBN	1010	297	10
WBMP	1250	240	100	WDZ	1080	278	100	WHBP	1310	229	250
WBRR	1170	256	1000	WEAF	610	491	500	WHBQ	1290	232	100
WBWB	1270	236	50	WEAI	620	484	250	WHBU	1360	220	15
WBYY	600	500	75	WEAM	1250	240	250	WHBV	1350	220	50
WBZZ	1470	204	100	WEAN	940	310	500	WHBY	1200	250	50
WBCN	1040	288	250	WEAD	1060	258	750	WHDI	1220	246	500
WBES	1010	297	100	WEAR	750	400	1000	WHDC	1290	232	100
WBET	1240	242	500	WEBC	1240	242	250	WHFC	1390	216	200
WBKN	1120	268	100	WEBE	1210	248	10	WHK	1130	264	500
WBMM	1420	211	100	WEBH	820	365	2000	WHN	760	394	500
WBMS	1120	268	100	WEBJ	810	370	500	WHO	560	535	5000
WBMY	1370	219	500	WEBQ	1340	224	15	WHPP	1450	207	10
WBQ	920	326	500	WEBR	1240	242	200	WHT	720	416	5000
WBRC	1230	244	250	WEBW	1160	258	500	WHD	1360	220	50
WBRE	1200	250	100	WEDC	1240	242	500	WIAS	630	476	100
WBRL	1290	232	500	WEI	670	447	500	WIBA	1250	240	100
WBRS	1420	211	100	WEHS	1390	216	100	WIBG	680	441	50
WBST	780	384	100	WEMC	1260	238	1000	WIBI	1120	263	100
WBT	1160	258	500	WENR	1040	283	500	WIBJ	1490	201	100
WSMK	1010	297	200	WEPS	1010	297	100	WIBM	1490	201	100
WMBZ	900	333	15000	WEW	850	353	1000	WIBD	720	416	500
WBZA	900	333	500	WFAA	600	500	500	WIBR	1200	250	50
WBAC	1090	275	500	WFAN	1190	252	10	WIBS	1470	204	150
WCAD	820	366	500	WFBC	1290	234	50	WIBU	1380	217	20
WCAE	580	517	500	WFBE	1220	246	250	WIBV	1470	204	100
WCAH	580	517	500	WFBG	1070	280	100	WIBX	1260	238	150
WCAJ	868	349	500	WFBJ	1100	273	100	WIBZ	1300	231	15
WCAL	1270	236	500	WFBL	1160	238	750	WICC	1400	214	250
WCAM	1340	224	500	WFBM	1330	225	250	WIL	1160	258	250
WCAO	780	384	250	WFBZ	1330	225	50	WIDD	1210	248	1000
WCAT	1210	248	100	WFBI	1210	248	100	WIP	590	508	500
WCAU	1150	260	500	WFCL	1350	215	50	WJAD	670	447	500
WCAX	1180	254	100	WFDD	860	349	100	WJAG	1350	222	250
WCAY	890	340	50	WFHH	820	366	500	WJAK	1280	234	50
WCBA	1390	222	100	WFI	740	405	500	WJAM	780	384	100
WCBD	870	345	5000	WFIW	1240	246	500	WJAR	620	484	500

CALL LETTERS	Freq. Kilo.	Wave Length	Power	CALL LETTERS	Freq. Kilo.	Wave Length	Power	CALL LETTERS	Freq. Kilo.	Wave Length	Power
WJAS	1110	270	500	WMBS	1280	234	250	WSKC	1010	491	250
WJAX	890	337	1000	WMBU	1380	217	50	WSM	940	319	2000
WJAY	1130	265	500	WMBW	1400	214	50	WSMB	930	322	500
WJAZ	1140	263	5000	WMBY	1500	200	15	WSMK	1010	297	200
WJBA	930	322	50	WMC	580	516	500	WSOE	1110	270	500
WJBB	870	345	250	WMCA	810	370	500	WSOM	1230	246	500
WJBC	1320	227	100	WMPC	1280	234	30	WSRO	780	384	100
WJBI	1120	268	250	WMRJ	1450	207	10	WSSH	1300	231	100
WJBK	1060	280	15	WSMG	1270	236	500	WSUI	1130	265	500
WJBL	1410	213	250	WMAC	1300	265	500	WSVS	1460	205	50
WJBO	1140	263	100	WNAD	1250	240	500	WSYR	1330	225	500
WJBR	1320	227	100	WNAL	1160	258	250	WTAD	1270	236	250
WJBT	770	389	100	WNAT	1040	288	100	WTAG	1040	288	500
WJBU	1400	214	100	WNAX	990	303	250	WTB	1070	280	100
WJBW	1260	238	30	WNBA	1440	208	200	WTAM	750	400	3500
WJBY	1280	234	50	WNBF	1450	207	50	WTAQ	1180	254	500
WJBZ	1440	208	100	WNBH	1150	261	250	WTAR	1090	275	500
WJJD	820	366	1000	WNBJ	1450	207	50	WTAS	1090	275	3500
WJPW	1440	208	50	WNBL	1500	200	15	WTAW	970	209	500
WJR-WCX	680	441	5000	WNBO	1420	211	15	WTAX	930	322	50
WJZ	560	454	30000	WNBQ	1480	203	15	WTAY	1360	219	250
WKAQ	890	341	500	WNBW	1310	230	20	WTHO	1370	219	250
WKAR	1300	224	1000	WNBX	1070	280	500	WTIC	650	461	500
WKAV	1220	244	50	WNXX	1150	265	1000	WTMJ	1020	294	500
WKBB	1390	216	150	WNRC	1340	224	250	WTRC	1470	204	50
WKBC	1370	219	10	WNRY	560	535	500	WTRL	1450	207	15
WKBE	1310	229	100	WQAI	990	303	2000	WWAE	1290	232	500
WKBF	1190	252	250	WQAN	1050	285	250	WWJ	800	375	1600
WKBG	1490	201	100	WQAX	1250	240	500	WWL	1090	275	100
WKBH	1360	222	500	WQCL	1340	224	25	WWNC	1010	297	1000
WKBI	1430	212	50	WQDA	1020	294	1000	WWR	1120	268	100
WKBL	1460	205	15	WQDI	1130	265	2500	WVVA	770	389	100
WKBM	1440	208	100	WQEK	1190	252	5000	KDKA	950	316	30000
WKBN	1400	214	50	WQKO	1390	216	250	KDRL	1300	231	15
WKBO	1370	219	500	WQKT	1430	210	500	KDYL	1160	258	100
WKBP	1410	213	50	WQMT	1350	222	100	KELW	1310	229	500
WKBQ	1370	219	500	WQMO	590	508	500	KEX	1350	240	2500
WKBS	1380	217	100	WQOO	590	508	500	KFAB	970	209	2000
WKBT	1190	252	50	WQOD	1150	261	500	KFAD	1100	273	500
WKBU	1490	204	50	WQOQ	890	337	250	KFAU	1050	285	2000
WKBV	1380	217	100	WQOR	710	422	500	KFBB	1090	275	50
WKBW	1380	217	500	WQOW	1090	252	5000	KFCB	1210	248	100
WKBZ	1500	200	15	WQOS	760	394	500	KFCB	560	535	100
WKDR	930	322	15	WQOW	590	508	1000	KFDK	1270	236	250
WKJC	1190	252	50	WQPD	1310	225	100	KFDY	760	384	500
WKRC	960	313	500	WQPE	1390	216	250	KFEG	1310	224	10
WKYC	1040	288	150	WQPF	1100	273	2500	KFES	1260	238	15
WLAB	1120	268	30	WQPG	1430	210	100	KFBW	700	428	500
WLB	1220	246	500	WQPC	1340	224	500	KFCB	1230	244	125
WLBG	1430	210	50	WQPD	970	309	500	KFCR	1420	211	50
WLBH	1400	214	100	WQPE	1460	205	50	KFDM	800	375	500
WLBK	1490	201	100	WQPF	1390	216	250	KFDD	1270	236	250
WLBL	1270	238	250	WQPG	1100	273	2500	KFDE	760	384	500
WLBW	1420	211	50	WQPH	1350	213	100	KFEG	1400	214	50
WLBX	1470	204	50	WQPI	1000	300	500	KFEL	1210	248	250
WLBZ	1480	202	15	WQPS	1480	203	50	KFEQ	1300	231	1000
WLBQ	1480	202	25	WQPS	1480	203	50	KFEY	1290	232	10
WLBW	930	322	15	WQQA	1390	216	500	KFGG	1430	210	10
WLBV	1450	207	50	WQAE	1200	250	750	KFH	1220	246	500
WLBW	1020	294	500	WQAN	930	322	750	KFHI	1180	254	50
WLBX	1470	204	250	WQAO	1300	231	100	KFII	1410	213	10
WLBZ	1430	210	50	WQAP	760	394	500	KFJ	640	469	5000
WLAI	1210	248	50	WQAR	670	447	500	KFJ	1400	214	50
WLBI	980	306	500	WQAS	1440	208	100	KFIO	1220	246	100
WLIT	740	405	500	WQAT	1500	200	250	KFIU	1440	208	100
WLTS	870	345	5000	WQAW	1060	283	50	KFIV	1330	225	10
WLW	620	484	100	WQAX	1210	248	50	KFJ	1120	268	100
WLWL	700	428	5000	WQAY	880	341	100	KFJ	1100	270	750
WMAC	1020	294	1000	WQAZ	1260	238	50	KFJ	1200	250	15
WMAF	1330	225	500	WQBA	640	468	500	KFJM	900	333	100
WMAK	700	428	500	WQBC	1380	217	250	KFJN	1060	283	100
WMAL	550	545	750	WQCD	1180	254	750	KFJY	1250	240	100
WMAN	1280	234	50	WQCE	1300	231	500	KFJZ	1200	250	50
WMAQ	670	447	1000	WQCF	1380	217	50	KFKB	1180	254	500
WMAY	1210	248	100	WQCG	940	319	50	KFKC	1020	242	1000
WMBA	1470	204	100	WQCH	1150	261	1000	KFKU	1180	254	500
WMBB	1190	252	500	WQCI	1100	273	500	KFKX	570	526	2500
WMBG	1420	211	100	WQCK	1490	201	100	KFKZ	1330	225	15
WMBE	1460	205	250	WQCL	970	309	500	KFLR	720	416	100
WMBF	1440	208	10	WQCM	1440	208	100	KFLU	1270	236	15
WMBG	780	384	500	WQCN	850	353	500	KFLV	1120	268	100
WMBH	1450	207	15	WQCO	930	323	50	KFLW	1110	270	100
WMBI	1470	204	100	WQCP	1460	205	15	KFMX	680	441	100
WMBJ	1140	263	500	WQCR	1180	254	1000	KFMY	1270	236	500
WMBK	1290	232	50	WQCS	830	361	5000	KFN	1110	270	1000
WMBL	1310	229	80	WQCT	1340	224	250	KFOA	670	447	1000
WMBM	1430	210	10	WQCU	1350	222	100	KFON	1240	242	500
WMBN	1360	220	100	WQCV	1190	252	100	KFOR	1380	217	100
WMBP	1470	204	100	WQCW	1190	252	100	KFOX	1160	258	100
WMBR	1190	252	100	WQCY	1470	204	100	KFPA	1050	285	250
				WQDZ	1240	212	100	KFPL	1090	275	15
				WQEA	620	476	1000	KFPM	1300	231	15
				WQEB	1290	232	500	KFPR	1290	232	250
				WQEC	1350	222	250	KFPW	1140	263	50
				WQED	1320	227	250	KFPY	1220	246	250
				WQEE	1370	219	250	KFQA	930	322	50
				WQEF	1410	213	150	KFQB	1150	261	1000

CALL LETTERS	Freq. Kilo.	Wave Length	Power	CALL LETTERS	Freq. Kilo.	Wave Length	Power	CALL LETTERS	Freq. Kilo.	Wave Length	Power
KFDD	870	345	100	KGDG	1410	213	250	KOLO	1500	200	5
KFQU	1200	250	100	KGDY	1450	207	15	KOMO	980	306	1000
KFQW	1380	217	100	KGEF	1140	263	500	KOWW	1000	300	500
KFQZ	1290	232	100	KGEH	1490	201	50	KPCB	1300	231	50
KFRG	660	454	50	KGEK	1470	204	10	KPJM	1400	214	15
KFRU	1200	250	500	KGEN	1330	225	15	KPNP	1420	211	100
KFSB	560	500	500	KGEO	1460	205	100	KPO	710	422	1000
KFSG	1090	275	500	KGEP	1480	203	50	KPPC	1310	229	50
KFUL	1160	258	500	KGER	1390	216	100	KPRC	1020	294	500
KFUM	1270	236	100	KGES	1470	204	10	KPSN	950	316	1000
KFUO	550	545	500	KGEU	1320	227	50	KQV	1110	270	500
KFUP	1320	227	100	KGEW	1370	219	10	KQW	1010	297	500
KFUR	1330	225	50	KGEY	1490	201	15	KRAC	1360	220	50
KFUS	1170	258	50	KGFJ	1460	205	100	KRE	1170	256	100
KFUT	600	500	50	KGFB	1340	224	10	KRLD	650	461	500
KFVD	1440	208	250	KGFF	1460	205	25	KRLO	1390	216	250
KFVE	1280	234	1000	KGFG	1390	216	50	KROX	1420	211	50
KFVG	1330	225	50	KGFH	1340	224	100	KRSC	1420	211	50
KFVI	1260	238	50	KGFI	1360	220	15	KSAC	900	333	500
KFVR	630	476	250	KGFJ	1440	208	100	KSBA	1120	268	1000
KFVS	1340	224	50	KGFK	1340	224	50	KSCJ	1230	244	500
KFWB	830	361	500	KGFL	1350	222	50	KSD	550	545	500
KFWC	1350	222	100	KGFM	1420	211	15	KSEI	800	375	250
KFWF	1400	214	250	KGFN	1500	200	15	KSJ	890	303	1000
KFWH	1180	254	100	KGFQ	1470	204	100	KSMR	1100	273	100
KFWI	1120	268	500	KGFP	1410	213	10	KSO	1320	227	500
KFWM	120	236	500	KGO	780	384	5000	KSOO	1430	210	250
KFWO	1370	219	250	KGRG	1360	220	50	KTAB	1070	280	500
KFWY	1310	229	50	KGRS	1230	244	150	KTAP	1310	229	10
KFXB	1190	252	500	KGTT	1450	207	50	KTBI	1040	286	500
KFXF	1060	283	500	KGU	1110	270	600	KYFR	1060	283	50
KFXH	1240	242	100	KGV	610	491	1000	KTCL	1080	278	500
KFXJ	1390	216	15	KGY	1230	244	50	KTHS	880	341	750
KFXR	1400	214	15	KHJ	740	405	500	KTNT	1170	256	3500
KFYX	1460	205	25	KHQ	810	370	1000	KTSA	1130	265	2000
KFYF	1260	238	25	KICK	650	461	100	KTUE	1410	213	5
KFYV	1250	240	250	KJBS	1360	220	50	KTW	760	394	1000
KGA	130	2000	2000	KJFL	1360	220	2500	KUI	1500	200	10
KGAR	1280	234	100	KKP	1130	265	15	KUOA	1010	297	500
KGBS	1480	203	100	KLDS	1260	238	1500	KUOM	800	375	500
KGBU	1310	229	500	KLIT	1450	207	10	KUSD	620	484	250
KGBX	1040	288	100	KLS	1220	246	250	KUT	1290	232	500
KGBY	1480	203	50	KLX	590	508	500	KVI	1280	234	50
KGBZ	1410	213	100	KLZ	1120	268	250	KVOD	860	349	1000
KGCA	1480	203	10	KMA	1110	270	500	KVOS	1430	210	50
KGCB	1380	216	50	KMED	820	366	50	KVPS	1500	200	15
KGRG	1340	224	100	KMIC	1340	224	250	KWCR	780	384	250
KGCH	1020	294	250	KMJ	820	366	50	KWG	870	345	50
KGCI	1480	203	15	KMMJ	1310	229	500	KWKC	1350	222	100
KGCL	1200	231	50	KMO	1180	254	250	KWKH	760	394	1000
KGCM	1440	208	50	KMOX	1000	300	5000	KWLC	1210	248	50
KGCR	1440	208	15	KMTR	570	526	500	KWSC	760	394	500
KGCU	1440	208	100	KNRC	800	375	500	KWTC	880	341	5
KGCK	1230	244	10	KNX	890	337	500	KWUC	1230	244	1500
KGDA	1280	234	15	KOA	920	326	5000	KWWG	1080	278	500
KGDE	1460	205	50	KOAC	1110	270	500	KXL	1360	220	50
KGDJ	1480	203	10	KOB	760	395	5000	KYA	570	509	500
KGDM	1380	217	10	KOCB	1160	258	250	KYW	570	526	2500
KGDP	1340	228	10	KOCW	1190	252	250	KZM	1220	246	100
KGDR	1480	203	15	KOIL	1080	278	1500				
KFDW	1450	207	100	KOIN	940	319	1000				

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Announcer
LESLIE ADAMS

KFI

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Class "B" 5000-Watt W. E. Sta., Operating on 4000 Watts
ROBERT HURD, Program Manager

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

- 10:00 a. m.—Services under direction of Los Angeles Church Federation.
5:00 p. m.—Vesper Services.
6:00 p. m.—Dorothy Alcock, pianist, and Arthur J. Smith, tenor.
6:58 p. m.—Father Richard's sunspot weather forecast.
7:00 p. m.—Aeolian Organ Recital—Alex Rilely at the console.
8:00 p. m.—Packard Classic Hour, arranged by Alma Frances Gordon, contralto.
9:00 p. m.—National Broadcasting Company program, presenting Sunday concert program, broadcast over the Orange Network.
10:00 p. m.—Billy Cox and his Packard Eight Orchestra—Dolly McDonald, blues singer, and Esther Walker, pianist.

MONDAY, JUNE 13

- 5:30 p. m.—Glenn Edmund's Lake Arrowhead Orchestra.
6:15 p. m.—George Wilder Cartwright talks on the constitution of the United States.
6:30 p. m.—The Gamut Male Quartet.
7:00 p. m.—Gene Johnston's Music Box Hour, Craig Leith, tenor, and Gene Johnston Trio.
9:00 p. m.—National Broadcasting Company presenting Grand Opera "La Gioconda," by Ponchielli.
9:00 p. m.—Shell Company of California, program originating at KPO, broadcast simultaneously by KPO-KFI.
10:00 p. m.—Pastel Trio.

TUESDAY, JUNE 14

- 5:30 p. m.—The Dragon Hawaiians.
6:00 p. m.—Dean Metcalf.
6:15 p. m.—Prof. Carl S. Knopf.
6:30 p. m.—Bertha Miller English, pianist—Elaine Ruth—Katherine Spangler.
7:00 p. m.—Los Angeles Fire Department Orchestra—Whiteman Sisters, Harmony duets.
8:00 p. m.—James Burroughs, tenor.
9:00 p. m.—Program by the National Broadcasting Company, presenting Hits and Bits of an old-time Minstrel Show, broadcast over the Orange Network.
10:00 p. m.—Collegiate Aeolians Dance Orchestra and Edna Cook, blues singer.

WEDNESDAY, JUNE 15

- 5:30 p. m.—Sebastian's Cotton Club Orchestra.
6:15 p. m.—Dr. George A. Cole.
6:30 p. m.—Anita Holt, violinist—Agnes Buisseret, pianist.
7:00 p. m.—Ray Fisher's Original Victorians Dance Orchestra.
7:30 p. m.—Nick Harris—Detective Stories.
7:45 p. m.—William MacDougall.

- 8:00 p. m.—Program by Eva Olivotti and James Burroughs, Calpet Ensemble, Director, Pryor Moore, on the California Petroleum Corporation program.
9:00 p. m.—National Broadcasting Company presenting Dramalogue, "King Robert of Sicily," Poem by Longfellow, with Orchestra accompaniment, broadcast over the Orange Network.
10:00 p. m.—Glenna Gould, pianist—Virginia McCoy, contra-contralto; Mrs. Edward C. Crossman, contralto.

THURSDAY, JUNE 16

- 5:30 p. m.—Elkin's and Hite's Dixieland Orchestra.
6:15 p. m.—Radiatorial Period.
6:30 p. m.—Mary Christine Albin Trio.
7:00 p. m.—Silverstone Ladies' Quartet.
8:00 p. m.—KFI Drama Hour.
8:30 p. m.—Joseph Wallace, tenor; Ida Krupp, soprano.
9:00 p. m.—National Broadcasting Company program—Light Opera, "The Doctor of Alcantara," by Eichberg, broadcast over the Orange Network.
10:00 p. m.—Program of Modern Classical Music—Maryon Bliss, contralto; Gerhardt Sachse, pianist-composer.

FRIDAY, JUNE 17

- 5:30 p. m.—Eugene Biscailuz.
6:15 p. m.—Madame Nelson, psychologist.
6:30 p. m.—Starke Sisters—Bill Henry.
7:00 p. m.—Aeolian Organ Recital—Alex Reilly at the console.
8:00 p. m.—Program by Paul Roberts and Leslie Adams.
9:00 p. m.—National Broadcasting Company program, "An Hour in Memory Lane," broadcast over the Orange Network.
10:00 p. m.—Packard Ballad Hour—Norma Bowers, soprano; Zelma McCauley, accompanist; Woody Hodson, tenor; Harry Rowe, baritone.

SATURDAY, JUNE 18

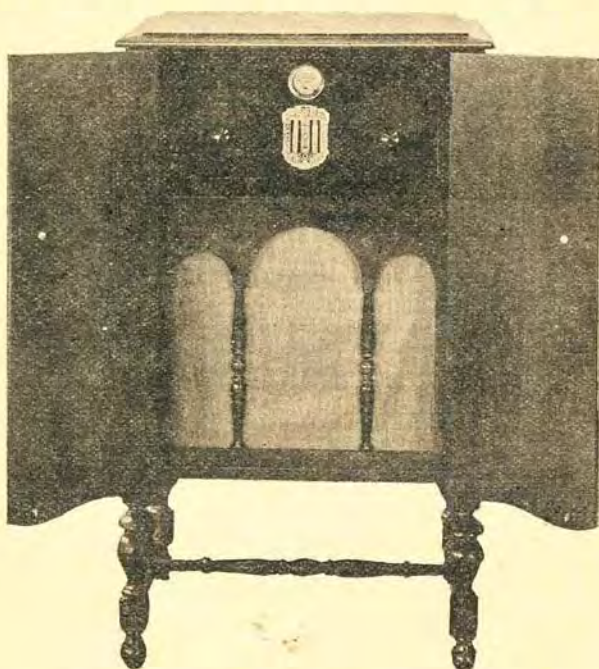
- 5:30 p. m.—Dance Orchestra.
6:15 p. m.—Francis Sullivan, Literary Talks.
6:30 p. m.—Bill Funk and his Packard Six Orchestra—Irene Langley.
7:30 p. m.—Felipe Delgado, with Edna Clark Muir, pianist.
8:00 p. m.—National Broadcasting Company, "Saturday Night Review," broadcast over the Orange Network.
9:00 p. m.—Virginia Flohri and Robert Hurd in an hour of Song, assisted by Louise Klos and Howard Griffin.
10:00 p. m.—Packard Radio Club—Esther Walker, pianist—Helent Guest, Hale Hooper and Red Wyatt and his uke.
11:00 p. m.—KFI Midnight Frolic—Mosby's Dixieland Blue Blowers, and soloists.

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Program Published as Submitted by the Station

See Page 56 for Program of National Broadcasting Company.

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WILLIAM RAINEY
Announcer

National Broadcasting Co., Inc.

ORANGE NETWORK

KFI - KPO - KGO - KGW - KOMO - KFOA - KHQ

Program for Week Commencing Sunday, June 12

Sunday, June 12—9 to 10 P. M.

The hour will be devoted to a Sunday night concert under the direction of Max Dolin.

A group of Negro spirituals will be sung by William Powers, a new artist. Max Dolin will broadcast a violin solo, Beethoven's "Minuet." The balance of the program will be devoted to numbers by the orchestra.

Monday, June 13—8 to 9 P. M.

The National Opera Company, under the capable direction of Max Dolin, will present the grand opera, "La Gioconda."

"La Gioconda" is by Ponchielli, who lived in Italy about the middle of the 19th century. His music has a decidedly modern tone, though it also has the melodious quality peculiar to Italian opera at all times.

The story of "La Gioconda" is a complicated series of vengeance. Gioconda, a street singer of passionate impulses, and the daughter of a blind mother, is loved by Barnaba, a Venetian government spy. She will have nothing to do with him, as she has lost her heart to Enzo, a Genoese nobleman. After a series of events, in which Enzo is lost to her, falling in love with another woman, Laura, La Gioconda commits suicide.

The best known airs include "Cielo e mar" (Sky and Sea), and Gioconda's own song, "Suicidio" (Suicide Song).

Tuesday, June 14—9 to 10 P. M.

Minstrel show night will be the program of the National Broadcasting Company, from 9 to 10 p. m., over the Pacific Coast Network of stations. Memories of the minstrel show of a decade ago will be revived. Mr. Bones, the interlocutor and all the other black face characters will be present.

The program is under the direction of William Rainey and every effort has been extended to give a real minstrel show. The program is divided into two parts. First, the gathering of the characters with the end men and the interlocutor and the dialogues; and for the other part the Ohio, which is the second part, will not be omitted, and will be given with all the little sketches, songs and impersonations.

Wednesday, June 15, 9 to 10 P. M.

"King Robert of Sicily," a dramalog with music, based on Longfellow's immortal poem. "Tales of a Wayside Inn," will be broadcast over the Pacific Coast Network of the National Broadcasting Company.

This type of program is something new in the radio field. Programs of music have been presented and programs of drama have been presented, but seldom have the two been combined, using the music to interpret the story. This product is under the direction of William Rainey.

The story is of the haughty King, who, on hearing the priests chant "He has put down the Mighty from their seats and exalted those of low degree," scoffs at their sentiments, only to

find that another King has taken his throne. After many humiliations, his pride is broken, and he acknowledges the power of the Almighty.

This dramatic story is read by William Rainey to the accompaniment of a symphonic orchestral setting, under the direction of Max Dolin.

Thursday, June 16—9 to 10 P. M.

The National Light Opera Company, under the direction of Max Dolin, will present "The Doctor of Alcantara."

"The Doctor of Alcantara" is a quack and a marriage broker. He has arranged a marriage between Isabella, daughter of Dr. Paracelsus, and a man unknown to her, the son of Senor Balthazar. Isabella, however, responds to the serenades of Don Carlos, and will have nothing to do with the unknown.

Don Carlos conceals himself in a basket and is carried into the house to see his beloved Isabella. The lovers are discovered, and Don Carlos is carried out again in the basket and thrown into the river. He climbs safely out of the river and returns to the house where the doctor makes an attempt at poisoning him. Fearing he is dead, he places the inert body under the sofa.

Senor Balthazar comes to the house and Don Carlos, under the sofa, recognizes his father. He, Don Carlos, is the intended husband of Isabella, and all ends happily.

Friday, June 17—9 to 10 P. M.

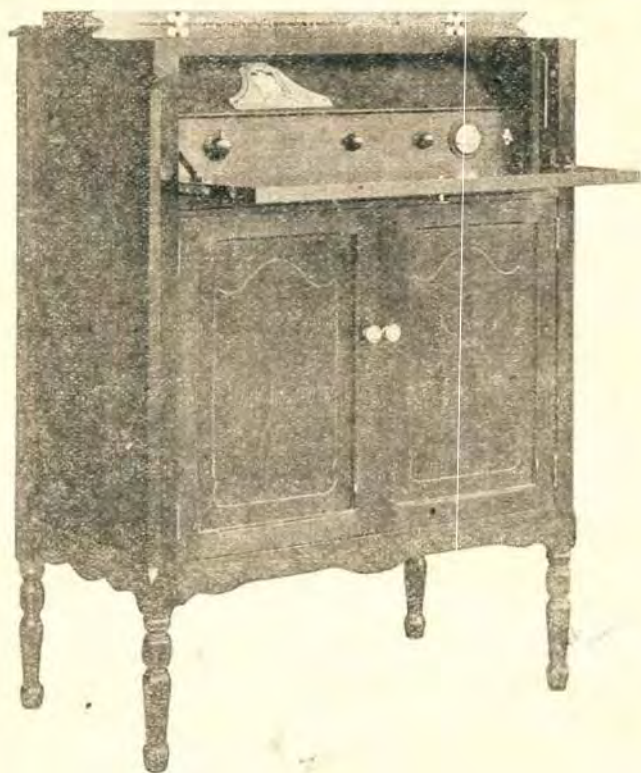
The program department has decided to dedicate Friday evenings to memories of songs of yesterday. Songs that our fathers and mothers sang will be revived and sung again.

Three particular songs have been selected to show the evolution of the popular song. "Ta-Ra-Ra-Boom-Dee," popular over thirty years ago, was possibly the first of the jazz type of song. Although its rhythm and melody is different, it hints of the present day song. This melody has furnished the motif for many of the jazz tunes and could rightly be called the father of them. "Shew Fly Don't Bother Me," is another song that was the turning point of the song cycle. This semi-southern melody was the beginning of our present "Blue" songs. "The Picture That Is Turned Toward the Wall" is one of the early dramatic or melodramatic type of songs, filled with pathos. This type has been brought down to us and is now today's ballad song.

Saturday, June 18—8 to 9 P. M.

Saturday night will be devoted to the usual review. The National Broadcasting Company feels that this is an appropriate climax to the week's program, and the radio listeners endorse the idea and this will continue to be the Saturday night broadcast.

Select numbers from the opera, "La Gioconda," "The Doctor of Alcantara," "Memory Lane," "Hits and Bits," and the drama, "King Robert of Sicily," will form the nucleus of the program.



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6:00 to 6:30 p. m.—KHJ Concert Trio.
7:30 p. m.—Scripture reading.
8:00 p. m.—World-wide news items.
9:00 p. m.—Time signals and weather reports.

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

- 10:00 a. m.—Sermon from KHJ studio by Dr. L. E. McNair, pastor of the Westlake Presbyterian Church.
10:30 a. m.—Morning services from the First Methodist Episcopal Church, Arthur Blakeley, organist.
7:00 to 8:00 p. m.—Evening services from First Methodist Episcopal Church.
8:00 to 10:00 p. m.—Studio program, presenting Ellen L. Wiley, contralto, and Clara Foster Thatcher, soprano, in vocal duets; Frederick MacMurray, viola; Louise Miller, pianist, and others.

MONDAY, JUNE 13

Silent all day.

TUESDAY, JUNE 14

- 6:30 p. m.—Children's hour with Queen Tintania and her Sandman; Margaret Bringham, "Nightingale;" Playground Department harmonica band; Charles Leslie Hill, "Honey Boy;" Lois Jane Campbell, "Brown Eyes;" and Elvit Allman, reader.
7:40 p. m.—H. M. Robertson, "Dogs."
8:00 to 10:00 p. m.—Program presented by the Girl Reserves of the Y. W. C. A., with singing and instrumental solos.
9:00 p. m.—Swami Paramanda of La Crescenta.

WEDNESDAY, JUNE 15

- 12:00 p. m.—Special school broadcast.
2:30 p. m.—Fred C. McNabb, "Garden Talk."
6:30 p. m.—Children's hour with Viola Esen, "B. B.;" Dick Winslow, screen juvenile; Glenn Fitz, "Optimistic Mascot;" Patricia Eccleston, "Little Daffodil," and Vivian Marple, "Blue Bell of KHJ."
7:40 p. m.—Dr. Mars Baumgardt talks on "Astronomy."
8:00 to 9:00 p. m.—F. J. Smith and his Greater Los Angeles Band.
9:00 to 10:00 p. m.—Lal Chand Mehra, lec-

turer from India, inspirational and educational talks, and Samuel Furedo, 'cello virtuoso.

10:00 to 11:00 p. m.—Los Angeles Railway Orchestra.

THURSDAY, JUNE 16

- 6:30 p. m.—Children's hour with Joyce Coad, "Little Red Riding Hood;" David Rosenthal, saxophonist; June Brandon, contralto; Dickie Brandon, reader; Jeanne De Bard, "Bonnie e Janne of Radioland," and Nelita Bennett, "Ginger Bread Girl."
7:40 p. m.—Dr. Philip M. Lovell, talk on "Care of the Body."
8:00 to 10:00 p. m.—Special program with Zoellner Quartet; Leo H. Sanisper, Russian baritone.
9:00 p. m.—Arthur Edwin Wake, vice president and assistant manager of Abraham Lincoln School for Boys.
10:00 to 11:00 p. m.—Glen Edmunson and his Varsity Four.

FRIDAY, JUNE 17

- 6:30 p. m.—Children's program, presenting Roberta Bush, "Firefly of KHJ;" Henrietta Poland, "Forget Me Not;" Richard Headrick, "Little Minister;" Collins Twins, in vocal duets, and others.
7:40 p. m.—Thomas F. Ford, "Book Reviews."
8:00 to 10:00 p. m.—Musical program.
9:00 p. m.—Talk on International Relations.

SATURDAY, JUNE 18

- 6:30 p. m.—Children's program with Nona Clapp, "Sunshine Fairy;" Onolee Jones, 'cellist; Dolly Wright, "Dolly of Radioland;" Arthur Stevens, "King Arthur;" Marjorie Genevieve Lowe, "June Bug," and others.
7:40 p. m.—Ralph Braddock, talk on "History and Romance of California."
8:00 to 10:00 p. m.—Frolic program with KHJ favorites.



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- 6:00 a. m.—Inspirational talk and morning prayer.
- 6:45 to 7:45 a. m.—Exercises given by Dr. P. M. Siexas, courtesy Mission Orange Juice.
- 8:55 a. m.—Time signals from Washington, D. C., followed by Birthday notices.
- 9:00 a. m.—Radio Shopping News.
- 10:00 a. m.—Town Crier of the Day's morning message.
- 10:30 a. m.—Kate Brew Vaughn, Director Household Economics Department, Evening Express, except Friday and Saturday.

- 12:00 p. m.—Musical program.
- 12:30 p. m.—W. F. Alder Travelogue.
- 1:30 p. m.—The Bookworm.
- 2:00 p. m.—Radio Trades Association musical program.
- 4:00 p. m.—Lost and Found Column.
- 4:55 p. m.—Market reports.
- 5:30 p. m.—Howard Clark.
- 5:45 p. m.—The Town Tattler.
- 6:00 p. m.—Biltmore Hotel Orchestra broadcast from the Biltmore Dining Room.
- 6:30 p. m.—Dinner hour concert, presenting the Yale Radio Battery Orchestra.

DAILY EXCEPT SUNDAY AND TUESDAY—

- 11:00 p. m.—Hotel Ambassador; Gus Arnheim's Coconut Grove Orchestra.

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

- 10:00 a. m.—First Presbyterian Church of Hollywood, Rev. Stewart P. MacLennan.
- 2:00 to 4:00 p. m.—City Park Board musical program.
- 5:15 p. m.—All-Souls Church; Dr. Charles F. Aked speaking.
- 6:30 p. m.—First Unitarian Church.
- 7:00 p. m.—Circle Theatre Concert Orchestra and organ recital.
- 9:00 p. m.—Feature program.

MONDAY, JUNE 13

- 3:00 p. m.—First Presbyterian Church of Hollywood.
- 7:00 p. m.—George J. Birkel Music Company.
- 7:30 p. m.—Playlet, courtesy Overell Furniture Company.
- 8:00 p. m.—L. W. Stockwell Company, courtesy program, presenting Calmon Luboviski, master violinist, and Claire Mellonino, concert pianist.
- 9:00 p. m.—Evergreen Playground courtesy program.
- 10:00 p. m.—Earl Burnnett's Biltmore Hotel Orchestra.

TUESDAY, JUNE 14

- 12:45 p. m.—Broadcasting the Advertising Club Luncheon from Hotel Biltmore.
- 7:00 p. m.—Playgoers Club, conducted by Wedgwood Nowell.
- 7:30 p. m.—Fitzgerald Music Company, presenting the Ampico Knabe Piano.
- 8:00 p. m.—Tufts-Lyons Arms Company, courtesy program.
- 9:00 p. m.—Dresslar Hardware Company "Quick Meal" half hour.
- 9:30 p. m.—Cactus Manufacturing Company courtesy program.
- 10:00 p. m.—Hotel Ambassador; Gus Arnheim's Coconut Grove Orchestra.

WEDNESDAY, JUNE 15

- 3:00 p. m.—Paul Hugon.
- 3:30 p. m.—Don Warner, popular pianist.
- 4:00 p. m.—Garden talk by Dewey R. Kruckeberg, of Theodore Payn's Nurseries.
- 4:15 p. m.—Joyce Coad, little motion picture actress.
- 7:00 p. m.—Birkel Music Company, present-

ing the Brunswick Panatropé.

- 7:30 p. m.—Wilshire Ionaco Company, courtesy program, presenting Charles Hamp in his 30 minutes of "Sunshine."
- 8:00 p. m.—Broadway Repartment Store courtesy program.
- 10:00 p. m.—Earl Burnnett's Biltmore Hotel Orchestra.

THURSDAY, JUNE 16

- 4:25 p. m.—Louise Johnson giving horoscopes.
- 7:00 p. m.—Carthay Circle Theater organ recital.
- 8:00 p. m.—H. Jevne and Company courtesy program
- 9:00 to 10:00 p. m.—Governor - Engeles Corporation, formerly George A. Bray & Co., courtesy program.
- 10:00 p. m.—Earl Burnnett's Biltmore Hotel Orchestra.

FRIDAY, JUNE 17

- 12:45 p. m.—Charles Weeks, talking on "Intensive Little Farms."
- 3:00 p. m.—Los Angeles District Federation of Women's Clubs musical program.
- 7:00 p. m.—Playgoers Club, conducted by Wedgwood Nowell.
- 7:30 p. m.—Fitzgerald Music Company, presenting the Ampico Knabe Piano.
- 8:00 p. m.—Davis Perfection Broad Company courtesy program, presenting the Royal Order of Optimistic Do-Nuts.
- 9:00 p. m.—Mr. and Mrs. Radio Skit.
- 10:00 p. m.—Broadcasting the Main Events from the Hollywood Legion Stadium, through the courtesy of John Wright, tailor.

SATURDAY, JUNE 18

- 3:00 p. m.—Town Crier of the Day and his Pals.
- 7:00 p. m.—Stories of insect life by Harry W. McSpadden.
- 7:15 p. m.—Announcement of Sunday services of the leading Los Angeles churches.
- 7:30 to 10:00 p. m.—Feature program.
- 10:00 p. m.—Earl Burnnett's Biltmore Hotel Orchestra.
- 12:00 p. m.—The Midnight Express.

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- 9:30 to 10:30 a. m.—M-I-L-A Hour.
12:00 to 12:30 p. m.—KFWB Shopping Directory.
12:30 to 1:30 p. m.—Classified Hour.
5:00 to 5:15 p. m.—Vacation Days.
5:15 to 5:30 p. m.—Emil Farnlund, Vibraphone.
5:30 to 6:00 p. m.—Radio Review.
6:00 to 7:00 p. m.—Dinner Hour Concert.
10:00 to 11:00 p. m.—Musical program from Mayfair Hotel.

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

- 9:00 to 10:00 p. m.—Daily News, followed by Vitaphone Hour, presenting Vitaphone Recording Artists.
10:00 to 11:00 p. m.—Daily News, followed by Mabel Leonard and Howard Stevenson's Ragtime Review.

MONDAY, JUNE 13

- 7:00 to 7:30 p. m.—Courtesy program.
7:30 to 7:45 p. m.—Howard Clark, popular songs, by courtesy of Dan Parker, tailor.
7:45 to 8:00 p. m.—Daily News.
8:00 to 9:00 p. m.—Dan Santos' Hawaiian Trio; Morris Sisters, harmony numbers; Eunice Wynn, popular songs.
9:00 to 9:10 p. m.—Daily news items.
9:10 to 10:00 p. m.—Emma Kimmel, soprano; Warner Bros. European Novelty Orchestra, under direction of Chico De Verde.

TUESDAY, JUNE 14

- 11:30 to 12:00 p. m.—Pacific Electric Art in old-time songs to his banjo accompaniment.
1:30 p. m.—Mabel Leonard's Surprise program.
7:00 to 7:30 p. m.—Thirty minutes of sunshine by Charles W. Hamp, director of Radio Activities of the Iona Co., presenting the Ionaco.
7:30 to 7:50 p. m.—June Parker, blues songs; Howard Stevenson, piano solos.
8:00 to 9:00 p. m.—Ann Grey, blues songs; California Banjo Boys Trio; LeRoy Kullberg and his ukelele.
9:10 to 10:00 p. m.—John Ganton, tenor; LeGrand Concert Ensemble.

WEDNESDAY, JUNE 15

- 7:00 to 7:50 p. m.—Charlotte DeLovelace, blues songs; Metropolitan Dance Orchestra.
8:00 to 9:00 p. m.—Program by courtesy of Stewart-Warner Products, Inc., featuring concert orchestra and soloists.
9:10 to 10:00 p. m.—Ray Bailey's Trio; Julius Phillips, tenor.

THURSDAY, JUNE 16

- 1:30 p. m.—Mabel Leonard's Surprise program.
7:30 to 7:50 p. m.—Sol Hoopii's Hawaiian Trio; Jackie Lucas, blues songs.
8:00 to 9:00 p. m.—Program by courtesy of the Southern California Music Company.
9:10 to 10:00 p. m.—Leon Belasky's Salon Ensemble; Vernon Rickard, tenor.

FRIDAY, JUNE 17

- 7:00 to 7:15 p. m.—Howard Clark, in popular songs, by courtesy of Dan Parker, tailor.
7:15 to 7:50 p. m.—Ruth Michaelson, blues songs; Warner Bros. Dance Orchestra.
8:00 to 9:00 p. m.—Dan Santos' Hawaiian Trio; Rollins Sisters, harmony numbers.
9:10 to 10:00 p. m.—Louise Sullivan's Trio; John Ganton, tenor.

SATURDAY, JUNE 18

- 7:00 to 8:00 p. m.—Van Sisters Trio, in popular numbers; Ann Grey, blues songs.
8:00 to 9:00 p. m.—Program, by courtesy of the MonaMotor Oil Company, introducing Vernon Rickard, tenor; MonaMotor Oil Company's String Quartette.

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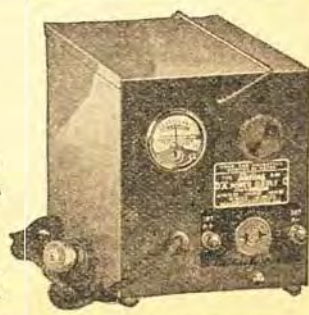


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- 7:00 to 7:30 a. m.—Prof. Barclay Stevens' Setting-up Exercises.
7:30 to 8:00 a. m.—Louise Howatt's half hour.
8:45 to 9:00 a. m.—Time Signals from Washington, D. C.,
12:30 to 1:30 p. m.—Who's Who and What's Happening.
1:30 to 2:30 p. m.—KMTR Tea Dance.
3:00 to 4:00 p. m.—Extension Courses from U. S. C., except Saturday.
5:30 to 6:00 p. m.—White King Male Quartet and Mona Content, concert pianist,
6:00 to 6:15 p. m.—Nightly Doings.
6:15 to 6:45 p. m.—Dinner hour program featuring Le Grande Trio.
6:45 to 7:30 p. m.—Fitzgerald Music Co. program.
10:00 to 11:00 p. m.—Miller's Cafe Lafayette Dance Orchestra, direction of Ray West.

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

- 5:30 to 6:15 p. m.—White King Male Quartet.
6:15 to 6:30 p. m.—Nightly Doings.
6:30 to 7:00 p. m.—Half-hour of Cheer
7:00 to 8:00 p. m.—Miller's Cafe Lafayette Concert Orchestra.
8:00 to 9:30 p. m.—KMTR Feature Program.

MONDAY, JUNE 13

- 10:00 to 11:00 a. m.—Home Hour.
11:00 to 12:00 p. m.—Madame Alem's Hour.
2:30 to 3:00 p. m.—Advance Elec. Co. courtesy program.
4:00 p. m.—J. P. Redding, representing the Ionaco Co.
7:30 to 8:00 p. m.—Vandegrift Shoe Company courtesy program.
8:00 to 9:00 p. m.—A. V. Shotwell program.
9:00 to 10:00 p. m.—Ford Dealers' courtesy program.

TUESDAY, JUNE 14

- 9:00 to 9:45 a. m.—Sylvia the Blind Cook.
9:45 to 10:00 a. m.—Charles Hamp representing Hair Again.
10:00 to 11:00 a. m.—Georgia O. George "The Psychology and Physiology of Beauty."
11:00 to 12:00 noon—Shopping Hour.
12:00 to 12:30 p. m.—Talk on voting.
2:30 to 3:00 p. m.—Advance Elec. Co.'s Program.
4:00 to 4:30 p. m.—Police Commissioner W. G. Thorpe and L. A. Police Quartet.
4:30 to 5:15 p. m.—Le Roy Parry's Orch.
5:15 to 5:30 p. m.—Talk on health by Dr. Robert T. Williams.
7:30 to 8:00 p. m.—L. A. Investment Co.
8:00 to 9:00 p. m.—Hollywood Storage Co.'s program.
9:00 to 10:00 p. m.—Courtesy Program.

WEDNESDAY, JUNE 15

- 9:00 to 9:30 a. m.—Diet Question Box.
9:30 to 10:00 p. m.—Travel Talk.
10:15 to 11:00 a. m.—Home Hour.
12:30 to 3:00 p. m.—Advance Elec. Co.'s Program.

- 7:30 to 8:00 p. m.—Overell's Furniture Co. courtesy program, featuring the Overell KMTR Players,
8:00 to 10:00 p. m.—Platt Music Co.'s Program.

THURSDAY, JUNE 16

- 9:00 to 10:00 a. m.—Sylvia, the Blind Cook.
10:00 to 10:15 a. m.—Charles Hamp, representing Hair Again.
10:15 to 12:00 noon—Georgia O. George, "The Psychology and Physiology of Beauty."
2:30 to 3:00 p. m.—Advance Elec. Co.'s program.
4:45 to 5:15 p. m.—"Gleanings of a Book-worm," by Lloyd Luckham,
6:15 to 6:30 p. m.—Platt Music Co. courtesy program.
7:30 to 8:00 p. m.—Winslow B. Felix, Chevrolet courtesy program.
8:00 to 10:00 p. m.—Puritas Vaudeville.

FRIDAY, JUNE 17

- 8:15 a. m.—Broadcasting from the Breakfast Club
10:00 to 11:00 a. m.—Home Hour.
2:30 to 3:00 p. m.—Advance Elec. Co.'s Program.
7:30 to 8:00 p. m.—Charles Hamp.
8:00 to 9:00 p. m.—Tucker and Charles.
9:00 to 9:30 p. m.—L. A. Investment Co.
9:30 to 10:00 p. m.—C. E. Toberman Co.

SATURDAY, JUNE 18

- 9:00 to 10:00 a. m.—Sylvia, the Blind Cook.
10:00 to 10:15 p. m.—Chas. Hamp, representing Hair Again.
10:15 to 11 a. m.—Home Hour.
4:00 p. m.—Radio Talk to Radio Fans by Forbes Van Why,
7:30 to 7:40 p. m.—Talk by M. D. Benesh of the Sheriff's office.
7:40 to 8:00 p. m.—KMTR Movie Club.
8:00 to 8:30 a. m.—Luna Park courtesy program.
8:30 to 10:00 p. m.—Hollywood Storage Co. Program.
9:00 to 10:00 p. m.—L. A. Police Department program.
10:00 to 12:00 p. m.—Miller's Cafe Lafayette Dance Orchestra, direction Ray West.

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DAILY EXCEPT SUNDAY—

10:00 to 11:00 a. m.—Hatch Graham's Oddities.

11:00 to 12:00 a. m.—Baron Keyes diversities.

2:00 to 4:00 p. m.—Program by remote control from Palais de Dance, featuring Ralph Markey and his Musical Keys.

4:00 to 5:00 p. m.—Educational hour.

5:00 to 5:45 p. m.—Sundown Frolic.

5:45 to 6:00 p. m.—Amusement suggestions.

6:00 to 7:00 p. m.—Pipe organ recital by remote control from the studio of Albert Hay Malotte.

10:00 to 11:00 p. m.—Palais de Dance and Ralph Markey and his Musical Keys

11:00 to 12:00 p. m.—Cinderella Roof—by remote control.

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

6:00 to 7:00 p. m.—Angelus String Trio; Ruth Donegan, soprano.

7:00 to 8:00 p. m.—Request hour; Kay Palmer, Wint Cotton, Edna Cook, Red Wyatt, Al Rattray, Kay O'Neil, Leonard Van Berg, Baron Keyes, Adrean Leigh, and others.

8:00 to 9:00 p. m.—Request Hour.

9:00 to 10:00 p. m.—Bud Riley's Hawaiian program.

MONDAY, JUNE 13

12:00 to 1:00 p. m.—Oregon Agitators Orchestra.

4:00 to 4:03 p. m.—Bulletin—Health Commissioner Geo. Parrish.

7:00 to 7:30 p. m.—Frank Barry tenor; Adrean Lee, pianist.

7:30 to 8:00 p. m.—Charlie Diamond, steel guitar artist.

8:00 to 9:00 p. m.—Pope and his Californians.

9:00 to 10:00 p. m.—American Broadcasting Company; Simultaneous broadcast with KYA, San Francisco; program originating at KFXB.

TUESDAY, JUNE 14

12:00 to 1:00 p. m.—Oregon Agitators Orchestra.

4:00 to 4:03 p. m.—Bulletin—Health Commissioner George Parrish.

7:00 to 8:00 p. m.—Rita Hannaman, G. E. Roletti, Mabel and Billy Wue.

8:00 to 9:00 p. m.—Kanner String Trio.

9:00 to 9:30 p. m.—KFXB Male Trio; Leonard Van Berg, Frank Barry, Leigh Harline.

9:30 to 10:00 p. m.—Bout by bout returns of the main event from the Olympic Auditorium.

WEDNESDAY, JUNE 15

4:00 to 4:03 p. m.—Bulletin—Health Commissioner George Parrish.

4:03 to 5:00 p. m.—Frank Carr and his Cinderella Roof Orchestra.

7:00 to 8:00 p. m.—Dick Ross's Virginians—KFXB Girl Friends.

8:00 to 8:30 p. m.—Santa Anita Trio.

8:30 to 10:00 p. m.—Request hour; Edna Cook, Red Wyatt, Leonard Van Berg, James Balderas, Kay O'Neil, Al Rattray, etc.

THURSDAY, JUNE 16

12:00 to 1:00 p. m.—Oregon Agitators Orchestra.

4:00 to 4:03 p. m.—Bulletin—Health Commissioner George Parrish.

7:00 to 8:00 p. m.—Bill Barron, Sugar Harold, Joey Lee, and others.

8:00 to 9:00 p. m.—G. E. Roletti, Adrean Lee, Irene Wynne.

9:00 to 10:00 p. m.—Angelus String Trio.

FRIDAY, JUNE 17

12:00 to 1:00 p. m.—Oregon Agitators Orchestra.

4:00 to 4:03 p. m.—Bulletin—Health Commissioner George Parrish.

7:00 to 8:00 p. m.—Jack Lemhpke's Radio Boys, KFXB Girl Friends.

8:00 to 9:00 p. m.—Request hour; Kay Palmer, Wint Cotton, Leigh Harline, Leonard Van Berg, Baron Keyes, etc.

9:00 to 10:00 p. m.—American Broadcasting Company; Simultaneously broadcast with KYA, San Francisco; program originating at KYA, San Francisco.

SATURDAY, JUNE 18

12:00 to 1:00 p. m.—Oregon Agitators Orchestra.

4:00 to 5:00 p. m.—Frank Carr's Cinderella Roof Orchestra.

7:00 to 7:30 p. m.—Carl Dye's Melody Makers.

7:30 to 8:00 p. m.—Frank Barry, tenor; Adrean Lee, pianist.

8:00 to 10:00 p. m.—Police Frolic; Bill Livingston's Radio Boys; KFXB Girl Friends; Tiny Newland, etc.



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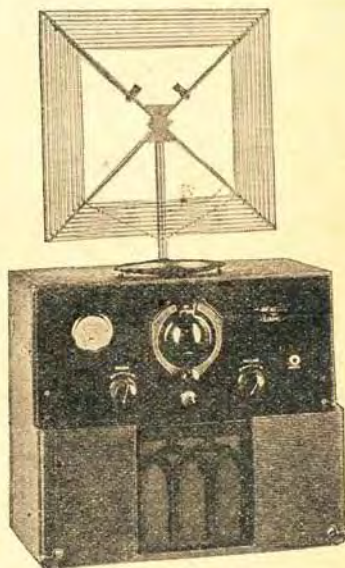
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10:30 to 11:00 a. m.—Sunshine Hour.

11:30 a. m. to 12:30 p. m.—Noonday Musical.

6:30 to 7:30 p. m.—Angelus Hour.

DAILY EXCEPT SUNDAY, MONDAY, WEDNESDAY, SATURDAY—

2:30 to 3:30 p. m.—Gray Studio Program.

Aimee Semple McPherson WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

10:30 a. m. to 12:30 p. m.—Sunday morning worship; A. C. Roberts, Evangelist; Thomas Johnson, soloist; Temple organ and chimes played by Roy Reed Brignal; quartets and soloists.

2:30 to 4:30 p. m.—Afternoon Dispensational service by A. C. Roberts.

6:30 to 9:30 p. m.—Revival service by A. C. Roberts, preceded by musicale hour.

10:00 to 11:00 p. m.—Organ recital by Roy Reed Brignal.

TUESDAY, JUNE 14

3:30 to 4:30 p. m.—Vesper hour. Organ recital by B. Earnest Ballard.

6:30 to 7:30 p. m.—Angelus Hour. Gray Studio program arranged by H. C. Meilander.

7:30 to 9:15 p. m.—Evangelistic services by Student Evangelists.

WEDNESDAY, JUNE 15

6:30 to 7:30 p. m.—Angelus Hour. Gray Studio program arranged by H. C. Meilander.

7:30 to 9:30 p. m.—Regular mid-week prayer service by A. C. Roberts.

THURSDAY, JUNE 16

3:30 to 4:30 p. m.—Vesper Hour. Organ recital by B. Earnest Ballard.

6:30 to 7:30 p. m.—Angelus Hour program from Gray Studio.

7:30 to 9:30 p. m.—Regular Water Baptismal service by A. C. Roberts.

9:15 to 10:00 p. m.—Gray Studio program. Herbert Morley, tenor; Ladies' Quartette.

10:00 to 11:00 p. m.—Organ recital by Roy Reed Brignal.

FRIDAY, JUNE 17

3:30 to 4:30 p. m.—Vesper Hour. Organ recital by Roy Reed Brignal.

6:30 to 7:30 p. m.—Angelus Hour program from the Gray Studio.

7:30 to 9:30 p. m.—Crusader Rally. Sermon by A. C. Roberts.

10:00 to 11:00 p. m.—Back Home Hour. Angelus Temple Band. Mrs. C. D. Smith, xylophonist.

SATURDAY, JUNE 18

3:30 to 4:30 p. m.—The Children's Happy Hour. Program arranged by Children's Evangelist Estelle Jones.

6:30 to 7:30 p. m.—Gray Studio program.

7:30 to 9:30 p. m.—Divine Healing Service, conducted by A. C. Roberts, Evangelist.



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DAILY EXCEPT SUNDAY—

8:45 to 9:15 a. m.—Devotional Hour.

8:00 to 3:00 p. m.—Inspirational Hour.

DAILY EXCEPT FRIDAY AND SUNDAY—

7:15 to 8:00 p. m.—Aunt Martha's Children's Hour.

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

10:45 a. m. to 12:30 p. m.—Regular service of the Church of the Open Door.

3:00 to 4:00 p. m.—Jewish Radio Hour. Bible Exposition by Rev. David L. Cooper.

6:00 to 7:00 p. m.—Radio Vesper Service.

7:15 to 9:30 p. m.—Regular evening service of the Church of the Open Door. Sermon by Dr. John McNeill.

MONDAY, JUNE 13

8:00 to 9:00 p. m.—Mexican program, directed by Ben Pearson.

TUESDAY, JUNE 14

8:00 to 9:00 p. m.—Biblical Exposition by Rev. W. H. Manshardt.

WEDNESDAY, JUNE 15

8:00 to 9:00 p. m.—Biblical Exposition by Dr. John McNeill, pastor of the Church of the Open Door.

THURSDAY, JUNE 16

8:00 to 9:00 p. m.—Biblical Exposition by Rev. Ralph C. Isbell.

FRIDAY, JUNE 17

6:15 to 7:00 p. m.—Aunt Martha's Children's Hour.

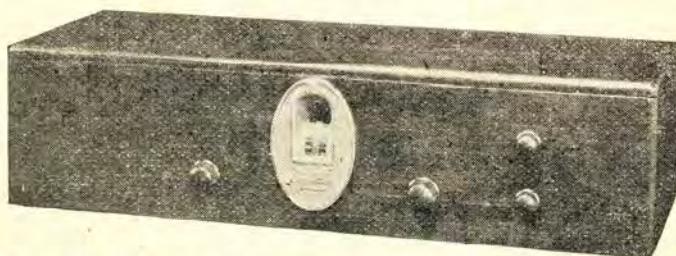
7:00 to 8:00 p. m.—Exposition of International Sunday School lesson by Rev. John A. Hubbard.

8:00 to 9:00 p. m.—Biblical Exposition by John McNeill, pastor.

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DAILY EXCEPT SUNDAY—

1:00 p. m.—News Bulletin, cooperation of Los Angeles Record.
6:00 to 7:00 p. m.—Panatrophe Dinner Hour.

MONDAY, TUESDAY, WEDNESDAY AND THURSDAY—

12:00 to 1:00 p. m.—Hazel McCauley and the Office Boy.

THURSDAYS ONLY—

3:30 to 4:00 p. m.—Tryouts (not broadcast).

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

8:00 to 9:00 p. m.—Columbia Viva-tonal recordings.
9:00 to 11:00 p. m.—Louie Goldberg and his Melody Boys, Virginia King, Aiybarra, Irma Sofer.

MONDAY, JUNE 13

7:00 to 8:00 p. m.—Sylvia Harding Trio; Allen Dale.
8:00 to 9:00 p. m.—Myra Belle Vickers, semi-classical hour.
9:00 to 11:00 p. m.—Dance Orchestra; Helen McColl, Frank Martin.

TUESDAY, JUNE 14

7:00 to 8:00 p. m.—Helen S. Peabody, Clayton A. Dunham, Ed Pose, E. Ruth Donigan, Bill Worth program.
9:00 to 11:00 p. m.—Southern Serenaders, Minnie Petrio, Ned Miller, Billie Sullivan, Ted Haller.

WEDNESDAY, JUNE 15

7:00 to 8:00 p. m.—Sylvia Harding Trio; Allen Dale.
8:00 to 9:00 p. m.—Waikiki Hawaiian Trio, Frank Martin.
9:00 to 11:00 p. m.—Virginia King, Wm. Hitnick and Carl Fisher and his Band.

THURSDAY, JUNE 16

7:00 to 8:00 p. m.—Leslie E. Taft, talk on radio.
8:00 to 9:00 p. m.—Jean Talbot, Jack Goode and others.
9:00 to 11:00 p. m.—Allen Dale, Don Stevens, Lloyd Wood's Trio.

FRIDAY, JUNE 17

12:00 p. m.—Greenwich Village Orchestra.
1:00 to 1:30 p. m.—Bureau Public Safety, Los Angeles Police Department.
7:00 to 8:00 p. m.—Clint Stevenson's Trio, Al Flanigan, Margaret Ruth Kernan.
8:00 to 9:30 p. m.—Novelties, Bea Currie and Buddy Helwig.
9:30 to 10:00 p. m.—Entertainers from the Cliff Dwellers.
10:00 to 11:00 p. m.—Art Bridges Orchestra; Helen McColl, Hale Hooper.

SATURDAY, JUNE 18

12:00 p. m.—Dave Mack and his Paris Inn Cafe Orchestra.
7:00 to 8:00 p. m.—Phillip Tronitz Classified Hour.
8:00 to 8:30 p. m.—Jamgochian Radio Players.
8:30 to 9:00 p. m.—Jean Talbot and others.
9:00 to 11:00 p. m.—Los Angeles Railway Orchestra; soloists.
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DAILY EXCEPT SUNDAY—

12:15 p. m.—News Bulletin.
6:00 to 6:15 p. m.—Late News Review.

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

10:30 a. m.—Family Altar Service.
11:00 a. m.—Services of First Baptist Church.

MONDAY, JUNE 13

6:00 p. m.—News bulletins and David Lawrence talk on "Our Government."
8:30 to 9:00 p. m.—Program by McKinley Junior High School Orchestra and Glee Club.

TUESDAY, JUNE 14

8:00 to 9:00 p. m.—Star-News concert with James H. Shearer, organist; Frederick

MacMurray, violinist, and George Frenger, tenor.

THURSDAY, JUNE 16

8:00 to 9:00 p. m.—Star-News concert with van Praag Trio and soloists.

FRIDAY, JUNE 17

4:45 p. m.—Pasadena High School Commencement Exercises.
8:00 to 9:00 p. m.—Special program.

SATURDAY, JUNE 18

8:00 to 9:00 p. m.—Star-News concert with van Praag Trio and soloists.

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CHARLIE WELLMAN
Announcer

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

11:00 to 12:15 p. m.—Centinela Baptist Church by remote control;

MONDAY, JUNE 13

- 5:30 to 7:00 p. m.—Request program, Charlie Wellman; KMIC Dance Orchestra.
7:00 to 7:20 p. m.—Charlie Wellman and the Cauldron Quartet.
7:55 to 8:00 p. m.—Final U. S. weather report and forecast.
8:00 to 9:00 p. m.—City of Inglewood courtesy program with the KMIC Concert Orchestra under the direction of Tom Martin; Don Minor, tenor.
9:00 to 9:30 p. m.—Geo. M. Sutton Ford Agency courtesy program, with the Metropolitan Dance Orchestra; Geraldine Gordon, contralto; Don Miner, tenor.
9:30 to 10:00 p. m.—DX program.

TUESDAY, JUNE 14

- 5:30 to 7:00 p. m.—Request program; Charlie Wellman, KMIC Dance Orchestra.
7:00 to 7:20 p. m.—Charles Wellman's own program.
7:20 to 7:50 p. m.—Grovenor Inglis Co.
7:45 to 7:55 p. m.—Hardin Pharmacy request program.
7:55 to 8:00 p. m.—Final U. S. weather report and forecast; courtesy Col. E. H. Hersey.
8:00 to 8:15 p. m.—Studio announcements, with Bill Henry and Nell Larson; courtesy the Little Ant Man.
8:30 to 9:00 p. m.—Studio program with Helen McColl, the Gyco Girl; Walter Smith, singing tenor of the Oil Fields; Neva Negus, our Warbler; Abe Jacobson, Bad Time stories.
9:00 to 10:00 p. m.—Studio program, with the L. A. R. R. Orchestra; courtesy the L. A. R. R.; Bill Henry, popular soloist.

WEDNESDAY, JUNE 15

- 5:30 to 7:00 p. m.—Request program; Charlie Wellman, KMIC Dance Orchestra.
7:00 to 7:20 p. m.—Charlie Wellman's own program.
7:20 to 7:50 p. m.—Malloy Clint courtesy program, with Gerldine Gordon and Don Miner.
7:50 to 8:00 p. m.—N. E. Brown, technical talk on radio broadcasting.
8:00 to 8:30 p. m.—Lambert Sales Co. courtesy program, with Mack's Collegians

- 8:30 to 9:00 p. m.—Inglewood Furniture So. courtesy program, with Walter Smith, Hellen McColl, Neva Negus.
9:00 to 10:00 p. m.—Studio program, with George and Von Harmony Aces; Louise White, soprano.

THURSDAY, JUNE 16

- 5:30 to 7:00 p. m.—Request program; Charlie Wellman, KMIC Dance Orchestra.
7:00 to 7:20 p. m.—Charlie Wellman's own program.
7:20 to 7:50 p. m.—Ross O. Porter Tile Co. courtesy program, with Jack Tenny.
7:50 to 8:00 p. m.—The Toggery courtesy program.
8:00 to 9:00 p. m.—Buy Better in Torrance, with Milt Gardner and his Merry Makers; request program.
9:00 to 10:00 p. m.—Studio program.

FRIDAY, JUNE 17

- 5:30 to 7:00 p. m.—Request program; Charlie Wellman, KMIC Dance Orchestra.
7:00 to 7:20 p. m.—Charlie Wellman's own program.
7:20 to 7:50 p. m.—Western Auto Electric Co. courtesy program.
7:50 to 8:00 p. m.—J. C. Masters, courtesy program.
8:00 to 8:30 p. m.—Program featuring two nationally advertised pure food products—Skinner's Macaroni and Raisin Bran.
8:30 to 8:45 p. m.—Fifteen Minutes of Sunshine; courtesy Little Ant Man.
8:45 to 9:00 p. m.—Don Miner, request program.
9:00 to 9:30 p. m.—Star Ford Body Exchange Co. courtesy program.
9:30 to 11:30 p. m.—American Legion Frolic, courtesy H. A. McCallister Realty Co.; Dr. L. M. Shride, chiropractor; "Go Get 'Em Wilson," Clothier; Inglewood Pharmacy.

SATURDAY, JUNE 18

- 5:30 to 7:00 p. m.—Request program, Charlie Wellman, KMIC Dance Orchestra.
7:00 to 7:20 p. m.—Charlie Wellman's own program.
7:20 to 7:50 p. m.—Studio program, with Bill Henry.
7:50 to 8:55 p. m.—Hickman-Wise Printing and Engraving Co. courtesy program.
8:00 to 10:00 p. m.—Studio program. Every one welcome.

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4:30 to 6:00 p. m.—Piggly Wiggly Concert Orchestra.

6:00 to 6:15 p. m.—Request Period by Doris & Clarence.

6:15 to 7:00 p. m.—Piggly Wiggly Concert Orchestra.

DAILY EXCEPT SATURDAY AND SUNDAY—

10:15 to 10:30 a. m.—Devotional Period.

10:30 to 11:30 a. m.—Physiology of Beauty, Georgia O. George

DAILY EXCEPT SUNDAY—

11:30 to 12:00 a. m.—Press-Telegram Early News.

12:00 noon—Lost and Found announcements.

4:00 to 4:30 p. m.—Press-Telegram late news.

DAILY EXCEPT MONDAY—

9:30 to 10:15 a. m.—Pacific Coast Club Organ—Herbert Nixon at the console.

2:30 to 4:00 p. m.—Long Beach Municipal Band.

8:00 to 9:00 p. m.—Press-Telegram presenting Long Beach Municipal Band.

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

11:00 to 12:00 p. m.—Church of the Nazarene. Rev. L. A. Reed.

12:30 to 1:00 p. m.—Musical program, sponsored by Markwell Salt Water Taffy Shop.

1:00 to 2:00 p. m.—Musical program, sponsored by Birkel Music Co.

2:00 to 2:30 p. m.—Pacific Coast Club Organ, Herbert Nixon at the console.

4:00 to 5:00 p. m.—Vesper hour.

7:00 to 7:45 p. m.—Gaskill Mfg. Co. & Missman Radio Co., musical program.

7:45 to 9:00 p. m.—Services from First Church of Christ, Scientist, by remote control.

9:00 to 12:00 p. m.—"Studio Frolics."

MONDAY, JUNE 13

12:00 to 12:30 p. m.—Moore's Apparel Shop, sponsoring musical program.

12:30 to 1:00 p. m.—American Markets, sponsoring musical program.

1:00 to 2:30 p. m.—Studio program.

7:00 to 8:00 p. m.—Bell Post, American Legion.

9:00 to 12:00 p. m.—"Kiwanis Frolics."

TUESDAY, JUNE 14

12:00 to 12:30 p. m.—Eastman Furniture Co., sponsoring musical program.

12:30 to 1:00 p. m.—Georgia O. George and Authorized Hair-A-Gain Shops, featuring Doris and Clarence.

1:00 to 1:30 p. m.—Kiwanis Club luncheon.

1:30 to 2:30 p. m.—Women's Music Study Club, direction of Ruth Parkinson.

7:00 to 7:30 p. m.—Studio program.

7:30 to 8:00 p. m.—"Chas for Booklovers," presented by Hewitt's Bookstore.

9:00 to 10:00 p. m.—Piggly Wiggly Hour, presenting Piggly Wiggly Girls' Trio.

10:00 to 12:00 p. m.—Majestic Ballroom Orchestra, by remote control.

WEDNESDAY, JUNE 15

12:00 to 12:30 p. m.—Moore's Apparel Shop, sponsoring musical program.

12:30 to 1:00 p. m.—American Markets, sponsoring musical program.

1:00 to 1:30 p. m.—Rotary Club luncheon.

1:30 to 2:00 p. m.—Studio program.

2:00 to 2:30 p. m.—Capitol Theatre Organ, Dick Dickson at the console.

4:30 to 6:00 p. m.—Piggly Wiggly Concert Orchestra, sponsored by Long Beach business men.

6:00 to 6:15 p. m.—Request period, by Doris and Clarence.

6:15 to 7:00 p. m.—Piggly Wiggly Concert Orchestra.

7:00 to 8:00 p. m.—Texas Cowboys

9:00 to 10:00 p. m.—Studio program.

10:00 to 12:00 p. m.—Pacific Coast Club Orchestra, by remote control.

THURSDAY, JUNE 16

12:00 to 12:30 p. m.—Eastman Furniture Co., musical program.

12:30 to 1:00 p. m.—Georgia O. George and Authorized Hair-A-Gain Shops, featuring Doris and Clarence.

1:00 to 2:00 p. m.—Capitol Theatre Organ.

2:00 to 2:30 p. m.—Health and Efficiency, Dr. Elmer S. Clark.

7:00 to 8:00 p. m.—Studio program.

9:00 to 10:00 p. m.—Program of dance music.

10:00 to 11:00 p. m.—Capitol Theatre Organ.

11:00 to 12:00 p. m.—Majestic Ballroom Orchestra, by remote control.

FRIDAY, JUNE 17

12:00 to 12:30 p. m.—Moore's Apparel Shop, sponsoring musical program.

12:30 to 1:00 p. m.—American Markets, sponsoring musical program.

1:00 to 1:30 p. m.—Studio program.

1:30 to 2:00 p. m.—Rich's Quality Bakery, musical program.

2:00 to 2:30 p. m.—Capitol Theatre Organ.

7:00 to 7:30 p. m.—Church of Christ, by Rev. Earnest Beam.

7:30 to 7:45 p. m.—Studio program.

7:45 to 8:00 p. m.—"Lucky Jim" Investment Chat, by Seaboard Bond & Mortgage Co.

9:00 to 10:00 p. m.—Majestic Ballroom Orchestra, remote control.

10:00 to 12:00 p. m.—Elks' Frolic, Lodge No. 888.

SATURDAY, JUNE 18

12:00 to 12:30 p. m.—Eastman Furniture Co., musical program.

12:30 to 1:00 p. m.—Musical program.

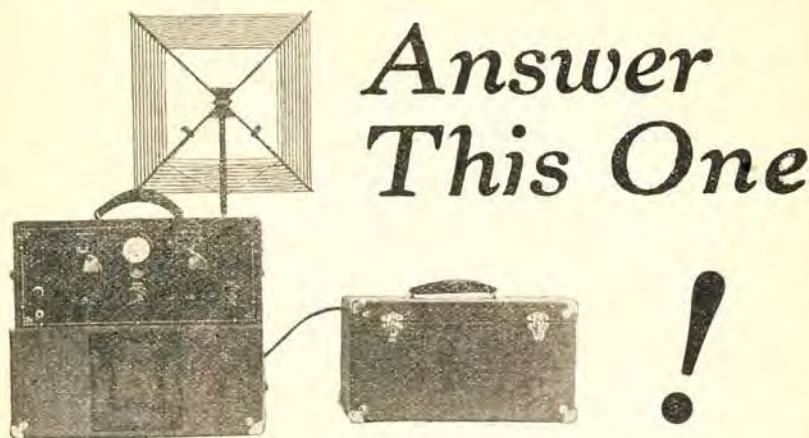
1:30 to 2:30 p. m.—Capitol Theatre Organ.

7:00 to 8:00 p. m.—Piggly Wiggly Minstrels.

9:00 to 10:00 p. m.—Studio program.

10:00 to 11:00 p. m.—Capitol Theatre Organ, Dick Dickson at the console.

11:00 to 12:00 p. m.—Pacific Coast Club Orchestra, by remote control.



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DAILY EXCEPT SUNDAY—

4:00 to 4:45 p. m.—Smiling Circle with Tom.
6:00 to 7:00 p. m.—Club Casa Del Mar.
7:00 to 8:00 p. m.—Merchants Preview Hour.
10:00 to 11:00 p. m.—Club Casa Del Mar.

DAILY EXCEPT MONDAY—

2:30 to 4:00 p. m.—Santa Monica Municipal Band.
8:00 to 9:00 p. m.—Band Concert.
2:30 p. m.—Band Concert.
3:00 to 3:15 p. m.—Bay Builders' Exchange Booster program.

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE '27

10:45 to 11:45 a. m.—Pilgrim Lutheran Church services, remote control.
5:15 to 6:15 p. m.—The Pirate Band.
6:15 to 7:00 p. m.—Pilgrim Lutheran Church services.
7:00 to 8:00 p. m.—Club Casa Del Mar, organ concert, remote control.
9:00 to 10:00 p. m.—Club Casa Del Mar

MONDAY, JUNE 13

7:30 to 8:00 p. m.—Charles Hamp, representing the Iona Company.
8:00 to 8:15 p. m.—"Little Ant Man."
8:00 to 10:00 p. m.—Main Studio program.

TUESDAY, JUNE 14

9:00 p. m.—Public Safety Talk by Judge Louis P. Russell.
9:00 to 10:00 p. m.—Main Studio program.

WEDNESDAY, JUNE 15

7:45 p. m.—Talk by Eugene Biscailuz.
9:00 to 9:30 p. m.—Club Casa Del Mar Orchestra.
9:30 to 10:30 p. m.—Boxing matches, courtesy Ocean Park Athletic Club.
10:30 to 11:00 p. m.—Club Casa Del Mar Orchestra.

THURSDAY, JUNE 16

9:00 to 10:00 p. m.—Main Studio program, featuring Julius K. Johnson.

FRIDAY, JUNE 17

9:00 to 10:00 p. m.—Main Studio program.

SATURDAY, JUNE 18

9:00 to 10:00 p. m.—Main Studio program.
11:00 to 12:00 p. m.—Gables Club, remote control.

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DAILY EXCEPT MONDAY—

12:30 to 1:30—Hotel St. Catherine Orchestra.
6:30 to 8:00—St. Catherine Orchestra.

DAILY EXCEPT MONDAY, THURSDAY AND SUNDAY—

6:00 to 6:30—Studio.

MONDAYS

Silent.

TUESDAYS

5:30 to 6:00 p. m.—Miss Hewitt's Golden Hour.
6:00 to 8:00 p. m.—Studio.

WEDNESDAYS

5:00 to 9:00 p. m.—Studio Program
9:00 to 12:00 Midnight—Overseas.

THURSDAYS

4:00 to 9:00 p. m.—Studio Program

FRIDAYS

5:00 to 6:00 p. m.—Miss Hewitt's Golden Hour.
6:00 to 6:30 p. m.—Wrigley Chimes.

SATURDAYS

3:00 to 4:30 p. m.—Rebroadcast of KNX
9:15 to 10:00 p. m.—Studio.

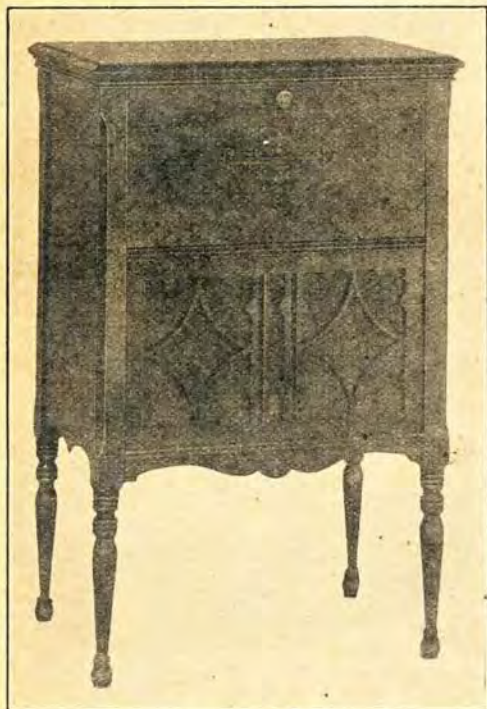
SUNDAYS

5:00 to 6:00 p. m.—Miss Hewitt's Golden Hour.
6:00 to 6:30 p. m.—Wrigley Chimes.
8:00 to 9:15 p. m.—Lobby Concert.
Victor Electrola used during all programs.

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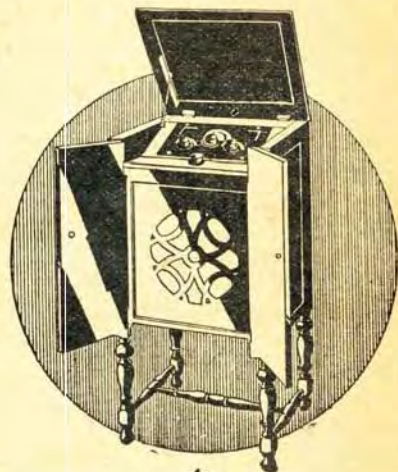
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MRS. FREDERICK CROWE, Program Director
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"The Voice of San Francisco"

DAILY EXCEPT SUNDAY—

- 6:45, 7:15 and 7:45 a. m.—Daily health drill by Hugh Barrett Dobbs.
10:30 a. m.—"Ye Towne Crier."
10:45 a. m.—Cooking Hints.
12:00 noon.—Time signals and Scripture reading.
1:00 to 2:00 p. m.—Rudy Seiger's Fairmont Hotel Orchestra.
2:30 to 4:30 p. m.—Baseball.
4:30 to 5:30 p. m.—Palace Hotel Concert Orchestra.
5:30 to 6:15 p. m.—Children's Hour.
6:15 to 6:30 p. m.—"Ye Towne Crier."
6:30 to 7:00 p. m.—States Restaurant Orchestra.
7:00 to 7:30 p. m.—Rudy Seiger's Fairmont Hotel Orchestra.
7:30 to 8:00 p. m.—Silent.
10:00 to 11:00 p. m.—Dance Program.

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

- 10:45 a. m.—"Ye Towne Crier," giving the United States weather forecast and general information.
2:45 to 4:30 p. m.—Play-by-play broadcast of baseball game from Recreation Park, sponsored by San Francisco branch of the manufacturers of White King and Mission Bell soaps.
6:00 to 6:30 p. m.—States Restaurant Orchestra, Waldemar Lind, director.
6:30 p. m.—"Ye Towne Crier" giving general information.
6:35 to 8:35 p. m.—Palace Hotel Concert Orchestra, Cyrus Trobbe, director.
8:35 to 10:00 p. m.—Rudy Seiger's Fairmont Hotel Concert Orchestra.

MONDAY, JUNE 13

- 8:00 to 9:00 p. m.—Program by National Broadcasting Company.
9:00 to 10:00 p. m.—Studio program.
10:00 to 12:00 p. m.—KPO's variety hour, featuring KPO's well known artists.

TUESDAY, JUNE 14

- 8:00 to 9:00 p. m.—Uda Waldrop hour, featuring Uda Waldrop, KPO's official organist, at the organ of the First Unitarian Church.
9:00 to 10:00 p. m.—National Broadcasting Company program.

- 10:00 to 11:00 p. m.—Palace Hotel Rose Room Dance Orchestra, Gene James, director.

WEDNESDAY, JUNE 15

- 8:00 to 9:00 p. m.—Program by the Atwater Kent Artists under auspices of Ernest Ingold, Inc.
9:00 to 10:00 p. m.—National Broadcasting Company program.
10:00 to 11:00 p. m.—States Restaurant Orchestra, Waldemar Lind, director.

THURSDAY, JUNE 16

- 8:00 to 9:00 p. m.—Studio program.
9:00 to 10:00 p. m.—National Broadcasting Company.
10:00 to 11:00 p. m.—Palace Hotel Rose Room Dance Orchestra, Gene James, director.

FRIDAY, JUNE 17

- 8:00 to 9:00 p. m.—Studio program.
9:00 to 10:00 p. m.—National Broadcasting Company program.
10:00 to 11:00 p. m.—States Restaurant Orchestra, Waldemar Lind, director.

SATURDAY, JUNE 18

- 8:00 to 9:00 p. m.—National Broadcasting Company Program.
9:00 to 12:00 p. m.—Goodrich Silvertown Cord Dance Orchestra, under direction of Cyrus Trobbe.
12:00 p. m. to 1:00 a. m.—Palace Hotel Rose Room Dance Orchestra, Gene James, director.

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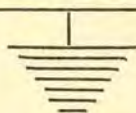
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DAILY EXCEPT SATURDAY AND SUNDAY—

- 1:30 to 6:00 p. m.—Stock and weather reports. Baseball scores.
6:00 to 6:55 p. m.—Bem's Little Symphony Orchestra.
6:55 to 7:30 p. m.—Weather and stock reports.

WEEK COMMENCING SUNDAY, JUNE 12, 1927

SUNDAY, JUNE 12

- 11:00 a. m.—First Methodist Episcopal Church service, Rev. Edgar Allen Lowther, D.D., pastor.
4:00 p. m.—Vesper service, Grace Cathedral.
6:30 to 7:30 p. m.—Concert by Bem's Little Symphony Orchestra.
7:30 p. m.—Weather bureau report.
7:30 to 9:00 p. m.—First Methodist Episcopal Church service, Oakland. Rev. Edgar Allen Lowther, D.D., pastor.
9:00 to 10:00 p. m.—National Broadcasting Company program.

MONDAY, JUNE 13

- 11:30 a. m. to 12:00 noon—Nat Vincent half hour.
12:00 to 1:00 p. m.—Rembrandt Trio.
4:00 to 5:00 p. m.—Frank Ellis and his Hotel St. Francis Dance Orchestra.
5:30 to 6:00 p. m.—KGO Kiddies' Klub.
9:00 to 9:00 p. m.—National Broadcasting Company program.
9:00 to 9:20 p. m.—Joseph Henry Jackson, "Chats About New Books."

TUESDAY, JUNE 14

- 11:30 a. m. to 12:00 noon—Orrin Leon Padel, tenor; Alice Gray Padel, piano.
12:00 to 1:00 p. m.—Damonte Novelty Trio.
2:00 to 3:00 p. m.—Pacific Radio Trade Association Concert.
4:00 to 5:00 p. m.—Ed Fitzpatrick and his Hotel St. Francis Concert Orchestra.
8:00 to 9:00 p. m.—The Pilgrims, Eveready program by National Carbon Company.
9:00 to 10:00 p. m.—National Broadcasting Company program.
10:00 to 10:30 p. m.—"HM" and "JP" entertain.
10:30 to 11:00 p. m.—Surprise broadcast.

WEDNESDAY, JUNE 15

- 11:30 a. m. to 12:00 noon—Waterman Piano School program.
12:00 to 1:00 p. m.—Rembrandt Trio.
4:00 to 5:00 p. m.—Ed Fitzpatrick and his Hotel St. Francis Concert Orchestra.
8:00 to 9:00 p. m.—Vacation program. W. O. W. Male Trio and "fish stories."

- 9:00 to 10:00 p. m.—National Broadcasting Company program.
10:00 to 12:00 p. m.—John Wolohan and his Californians.

THURSDAY, JUNE 16

- 11:30 a. m. to 12:00 noon—Nat Vincent half hour.
12:00 to 1:00 p. m.—Damonte Novelty Trio.
4:00 to 5:00 p. m.—Ed Fitzpatrick and his Hotel St. Francis Concert Orchestra.
5:00 to 6:00 p. m.—George W. Ludlow, "Friend to Boys."
8:00 to 9:00 p. m.—Concert by Henri Welch.
9:00 to 10:00 p. m.—National Broadcasting Company program.

FRIDAY, JUNE 17

- 11:10 to 11:30 a. m.—Prudence Penny, Home-making talk.
11:30 to 12:00 a. m.—Anita Romano, steel guitar; Waterman Piano School program.
12:00 to 1:00 p. m.—Rembrandt Trio.
4:00 to 5:00 p. m.—Ed Fitzpatrick and his Hotel St. Francis Concert Orchestra.
5:30 p. m.—Da-Ra-O, wise man from the Land-O-Health.
8:00 to 9:00 p. m.—San Francisco Lions Club annual banquet.
9:00 to 10:00 p. m.—National Broadcasting Company program.
10:00 to 11:00 p. m.—Frank Ellis and his Hotel St. Francis Dance Orchestra.

SATURDAY, JUNE 18

- 11:30 a. m. to 12:00 noon—Nat Vincent half hour.
12:00 to 1:00 p. m.—Damonte Novelty Trio.
4:00 to 5:00 p. m.—Ed Fitzpatrick and his Hotel St. Francis Concert Orchestra.
8:00 to 9:00 p. m.—National Broadcasting Company program.
9:00 to 10:00 p. m.—Mme. Berthe Baret, concert violinist, and Annabelle Jones Rose, contralto.
10:00 p. m. to 1:00 a. m.—Wilt Gunzendorf-er's Hotel Whitcomb Band, San Francisco. Intermission solos by Rose Lind and Rod Smith.

Program Published as Submitted by the Station.

See Page 56 for detailed program of National Broadcasting Company.



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DAILY EXCEPT SUNDAY—

2:40 p. m.—Baseball.
5:30 to 6:30 p. m.—Brother Bob Club; Boy Scout program.
7:00 to 7:30 p. m.—Amusement information and news.

WEEK COMMENCING SUNDAY, JUNE 12, 1927

MONDAY, JUNE 13

10:30 a. m.—Martha Lee, George Keneipp;
Dr. Frank McCoy's Health Hints.
5:30 to 6:30 p. m.—Brother Bob's Club;
Boy Scout program.
7:00 to 7:30 p. m.—Amusement information,
news broadcast.
8:00 to 9:00 p. m.—Special program by the
Order of Amaranths.
9:00 to 10:00 p. m.—Weekly meeting of
Lake Merritt Ducks.

WEDNESDAY, JUNE 15

10:30 a. m.—Martha Lee.

6:30 to 7:00 p. m.—Athens Athletic Club
Orchestra.

8:00 to 9:00 p. m.—Educational program.

THURSDAY, JUNE 16

6:30 to 7:00 p. m.—Special program.
Silent after 7:30 p. m.

FRIDAY, JUNE 17

10:30 a. m.—Martha Lee, Dr. Frank McCoy.

8:00 to 8:30 p. m.—Program.

8:00 to 9:30 p. m.—Community night by
Stockton, California.

9:30 to 10:30 p. m.—Athens Athletic Club
Orchestra.

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KGW

1000 WATTS—510 KILOCYCLES
THE MORNING OREGONIAN
"Keep Growing Wiser"

DAILY EXCEPT SUNDAY—

- 7:15 a. m.—Setting up exercises.
9:45 to 10:00 a. m.—Women's health exercises.
10:00 to 11:30 a. m.—Town Crier, weather reports, news items.
12:30 to 1:30 p. m.—Noon concert.
6:00 to 7:00 p. m.—Dinner Concert.
7:30 to 7:45 p. m.—Weather and market reports.

SUNDAY, JUNE 12

- 10:55 a. m. to 12:30 p. m.—Morning services from the First Presbyterian Church.
7:30 to 9:00 p. m.—Evening services from the Hinson Memorial Baptist Church.
9:00 to 10:00 p. m.—N. B. C. program.
10:00 to 11:00 p. m.—Public Service Little Symphony Orchestra.

MONDAY, JUNE 13

- 7:00 to 7:30 p. m.—Concert Trio.
7:45 to 8:00 p. m.—Musical program.
8:00 to 9:00 p. m.—N. B. C. program from San Francisco.
9:00 to 10:00 p. m.—Venetian Hour.
10:00 to 12:00 midnight—Dance music by Cole McElroy's Spanish Ballroom Dance Band.

TUESDAY, JUNE 14

- 2:00 to 3:00 p. m.—Women's matinee.
7:00 to 7:30 p. m.—Concert Trio, presented by National Mortgage and Bond Co.
7:30 to 9:00 p. m.—Educational program.
9:00 to 10:00 p. m.—N. B. C. program, "Hits and Bits."
10:00 to 12:00 p. m.—Dance music, featuring Herman Kenin and his orchestra.

WEDNESDAY, JUNE 15

- 7:00 to 8:00 p. m.—Utility Service and Concert Trio with soloist.
8:00 to 9:00 p. m.—Concert by Universal de Luxe Orchestra, simultaneously with KFOA, Seattle.
9:00 to 10:00 p. m.—National Broadcasting Company program.

THURSDAY, JUNE 16

- 7:45 to 8:00 p. m.—Lecture, given under the auspices of the Catholic Truth Society of Oregon.
8:00 to 9:00 p. m.—Vaudeville entertainment.
9:00 to 10:00 p. m.—N. B. C. program from San Francisco.
10:00 to 12:00 midnight—Cole McElroy's Spanish Ballroom Dance Band.

FRIDAY, JUNE 17

- 2:00 to 3:00 p. m.—Women's matinee.
7:00 to 7:30 p. m.—Concert Trio with soloist.
7:30 to 8:00 p. m.—Neighborhood Drug Store Four.
8:00 to 9:00 p. m.—Concert.
9:00 to 10:00 p. m.—National Broadcasting Co. program from San Francisco, "An Hour in Memory Lane."
10:00 to 10:30 p. m.—Edwards Golden Jubilee Entertainers with soloist.
10:30 to 12:00 midnight—Weekly frolic of the Keep Growing Wiser Order of Hoot Owls.

SATURDAY, JUNE 18

- 7:00 to 8:00 p. m.—Concert.
8:00 to 9:00 p. m.—National Broadcasting Company program from San Francisco, "Saturday Night Review."
10:00 to 12:00 midnight—Dance music, featuring Herman Kenin and his orchestra.

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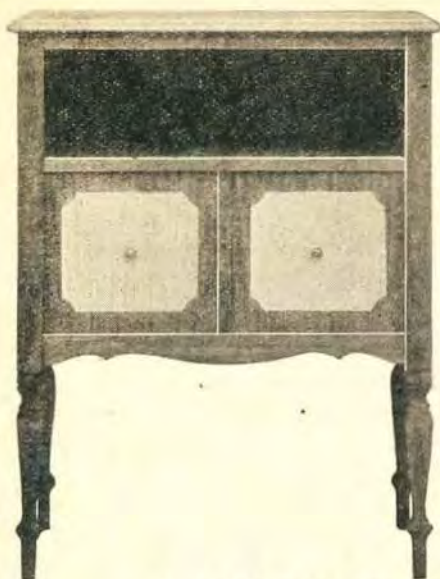
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LOS ANGELES



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New Model Anten-A'-Limiter

The Browning Products Corporation of Ogden, Utah, announce through their sales representative, Scott Sales Company a new and improved model of their Anten-A'-Limiter. This little device met with widespread popularity, but due to the fact that the first model was of fixed electrical values it was found that the results obtained with it varied with the sets with which it was used and also with the length of the ground lead.

To overcome this difficulty the Browning technical staff have worked out a method of tuning the Anten-A'-Limiter which makes it adaptable to any set, length of ground lead or other varying conditions.

By thus adjusting the inductance and capacity values of the ground system connected to the antenna post of the

set, efficient operation is obtained for any group of wave-lengths. In most cases this little device is the practical equivalent of an outdoor antenna as far as reception is concerned, without the static and other extraneous noises accumulated by the antenna.

On the tests in Los Angeles in the downtown district, excellent reception was had from KPO, KGO, KSL and KOMO, using only a connection from antenna post of set through the new Anten-A'-Limiter to a steam radiator.

"Mammy Lou," who has been giving monologues over KHJ for many months, told Radioland about her eleven children so many times that folks became skeptical. So she brought them all down to the studio a week or so ago where they entertained, and had their pictures taken. But, actual count discloses thirteen youngsters in the picture, and no one seems to be able to account for the extra two.

Mica Condensers

(Continued from Page 31)

sible change of capacity value and dielectric strength. Hence the condenser is treated to the impregnating process, which makes it permanent for all time. The condenser is suitably mounted for the exposed type or the bakelite case type or aluminum case type.

Each micadon is tested for dielectric strength and for capacity value. The latter is held to within plus or minus 10 per cent of the rated capacity. The breakdown voltage on micadons runs as high as 4000 to 5000, which, in terms of typical application, means that the condenser is operated so far below its voltage rating that it has a perpetual life.

Each micadon is stamped with its proper capacity value, as well as the name of Dubilier, which it has earned the right to wear.

In the Dubilier plant, micadons are made by the hundreds of thousands. Yet each condenser receives the same care as though it were a laboratory product. Ingenious production methods have served to make this gigantic production possible, while the gigantic production, in turn, has made the low price of micadons possible.

Legion at KFWO

An American Legion program will be broadcast over KFWO, Catalina Island, on the evening of June 11th. This will be during the annual pilgrimage of the Legion to Catalina. There will be a fife and drum corps on the air, and many prominent speakers, including Lt.-Gov. Buron Fitts. The one and only "Happy" Wintz, of El Segundo Post, will be in charge of KFWO after 8 p. m. on the night of this special broadcast. Major Mott's famous hospitality will make the evening doubly enjoyable, both in the flower bedecked studio and over the air.

What! No Hum?

W. J. "Bill" Seroy, head of the Seroy Company, 122 Broadway, Oakland, Calif., Pacific Coast representative for Majestic "B" Current Supply Units manufactured by Grigsby-Grunow-Hinds Com-



pany, Chicago, spent several days in Los Angeles last week.

"Bill" passed around one of his latest photographs which, he claims, illustrates the hardest job he ever had in his life. This job, according to Seroy, was listening for a hum in a Majestic "B" Current Supply Unit. "It just ain't there," said Bill.

STUDIO NEWS

(Continued from Page 33)

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RADIO MANUFACTURERS' ASSOCIATION

List of Exhibitors First R. M. A. Trade Show, Chicago, June 13-18, 1927

NAME	Booth No.	NAME	Booth No.
Abox Co., Chicago.....	5	Greene-Browne Mfg. Co., Chicago.....	157
Acme Appartus Co., Cambridge.....	91B	Grigsby-Grunow-Hinds Co., Chicago...	85
Acme Electric Mfg. Co., Cleveland...	122A	Hammerlund Mfg. Co., Inc., N. Y. City...	136B
Acme Wire Co., New Haven, Conn.....	135C	Howard Radio Co., Chicago.....	129
Adler Mfg. Co., Louisville.....	124	Hoyt Elec. Instrument Co., Boston....	14
Aero Products, Inc., Chicago.....	12	Imperial Molded Prod. Corp., Chicago..	19
Aerovox Wireless Corp., Brooklyn.....	159	Indiana Mfg. & Elec. Co., Marion.....	96
All American Radio Corp., Chicago....	79	International Resistance Co., Phila....	1
Allen-Bradley Co., Milwaukee.....	142	Irvington Varnish & Ins. Co., Irvington..	139
Aluminum Co. of America, Pittsburgh..	117	Jefferson Elec. Mfg. Co., Chicago.....	130
American Bosch Mag. Co., Springfield..	65	Jewell Elec. Instru. Co., Chicago.....	132
American Electric Co., Chicago.....	11	Johnson Motor Prod. Co., Chicago.....	23
American Mechanical Labs., Brooklyn.	136A	Howard Jones, Chicago.....	90
Amplion Corp. of America, New York..	147	Karas Elec. Co., Chicago.....	73
Amsco Products Co., Inc., New York...	103	Kellogg Switchb'd & Sup. Co., Chicago..	81
F. A. D. Andrea Co., Chicago.....	80	Keystone Radio Labs., Chicago.....	15
Apex Elec. Mfg. Co., Chicago.....	94	King Mfg. Co., Buffalo, N. Y.....	92
Atwater-Kent Mfg. Co., Philadelphia..	138	Kodel Radio Corp., Cincinnati.....	76
Audiola Radio Co., Chicago.....	18	Lignole Corp., Chicago.....	135A
Baritone Mfg. Co., Chicago.....	41B	Arthur Lynch, Inc., New York City....	148
Belden Mfg. Co., Chicago.....	69	The Magnavox Co., Oakland.....	59
Benjamin Elec. Mfg. Co., Chicago.....	143	Maring Wire Co., Muskegon, Mich....	137
Borkman Radio Corp., Chicago.....	140	Martin-Copeland Co., Providence.....	46
Bs worth Elec. Mfg. Co., Cincinnati...	21	McGraw Hill Co., Chicago.....	29
L. S. Brach Mfg. Co., Newark.....	60	Mohawk Corp. of Ill., Chicago.....	153
Bremer-Tully Mfg. Co., Inc., Chicago..	101	Mu-Rad Radio Corp., Asbury Pk., N. J..	125
Briggs & Stratton Corp., Milwaukee...	71	William Murdock Co., Boston.....	150
Brooklyn Metal Stamping Co., Brooklyn.	43	Leslie F. Muter Co., Chicago.....	63
Brown & Caine, Inc., Chicago.....	152	National Carbon Co., Inc., N. Y. City..	108
Buckwalter Radio Co., Chicago.....	144	Newcombe-Hawley Co., St. Charles...	127
Burgess Battery Co., Chicago.....	51	O'Neil Mfg. Co., New York.....	77B
Canfield Radio Mfg. Co., Chicago.....	13	Paragon Elec. Corp., Upper Montclair.	41A
Cannon & Miller, Inc., Spg. Water, N. Y.	158	Perryman Elec. Co., Inc., N. Y. City...	48
Carter Radio Co., Chicago.....	95	Pfandsieh Radio Co., Waukegan.....	118
C. E. Mfg. Co., Providence.....	20	Philadelphia Storage Bat. Co., Phila...	119
The Celeron Co., Chicago.....	120	Phono. & Talk. Mach. W'kly, N. Y. City.	26
Central Radio Labs., Milwaukee.....	3	Platter Cabinet Co., North Vernon...	105
Citizens Radio Call Book, Chicago.....	32	Polymet Mfg. Corp., New York City....	155
Compressed Wood Co., Chicago.....	42	Pooley Co., Philadelphia.....	112
Continental Fibre, Chicago.....	109	Potter Mfg. Co., No. Chicago.....	39
Cornish Wire Co., New York.....	88	Precision Products Co., Ann Arbor....	112
Crosley Radio Corp., Inc., Cincinnati...	86	Premier Radio Corp., Defiance.....	16
Crowe Name Plate & Mfg. Co., Chicago.	57	Prest-O-Lite, Indianapolis.....	40
E. T. Cunningham, Inc., New York.....	141	Q. R. S. Music Co., Chicago.....	145A
Daven Radio Corp., Newark.....	133	Radio Corp. of America, New York....	89
DeForest Radio Co., Jersey City.....	67	Radio Dealer, New York.....	25
De Jur Products Co., New York.....	8	Radio Engineering, Poughkeepsie....	33A
Diamond Elec. Spec. Corp., Newark....	104	Radio Master Corp. of Am., Bay City...	93
Diamond T. Radio Mfgs., South Bend...	36	Radio Merchandising, New York.....	33
Diamond Vacuum Prod. Co., Chicago....	45	Radio Retailing, New York.....	28
Dongon Elec. Co., Detroit.....	47	Raytheon Mfg. Co., Cambridge.....	62
Dubilier Condenser Corp., New York..	91A	Reichman Co., Chicago.....	106
Eagle Charger Co., Philadelphia.....	134B	Runzel-Lenz Elec. Mfg. Co., Chicago..	72
H. H. Eby Mfg. Co., Philadelphia.....	7	Sampson Elec. Co., Canton.....	70
Ekko Co., Chicago.....	2A	Sandar Corp., New York.....	17
Electrad, Inc., New York.....	10	Sangamo Elec. Co., Springfield.....	98B
Electric Merchandising, New York.....	27	Scoville Mfg. Co., Waterbury.....	134
Elkon Mfg. Co., Weehawken.....	77A	Sentinel Mfg. Co., Chicago.....	154
Erla Radio Co., Chicago.....	102	Shamrock Radio Co., Newark.....	146
Experimenter Pub. Co., New York.....	30	Showers Bros., Chicago.....	64
Fanstel Products Co., N. Chicago.....	2B	Slagle Radio Co., Ft. Wayne.....	54
Farrand Mfg. Co., Inc., Long Isl. City..	100	Sonatron Tube Co., Chicago.....	110B
John E. Fast & Co., Chicago.....	122B	Sonora Phonograph Co., Inc., New York.	107
Federal Brandes Corp., N. Y. City.....	113	Sparks-Withington Co., Jackson.....	99
Federal Radio Corp., Buffalo.....	78	Splitdorf Elec. Co., Newark.....	83
J. B. Ferguson, Inc., New York City....	111B	Standard Piano Bench Co., Chicago...	38
Ferranti, Ltd., New York City.....	98A	Steinite 'Lab., Chicago.....	41C
Forest Electric Co., Newark.....	75	Sterling Mfg. Co., Cleveland.....	68
Formica Insulation Co., Cincinnati...	111A	Stevens & Co., New York.....	53
Freed-Eisemann Radio Corp., Brooklyn.	87	Stewart Battery Co., Chicago.....	56
French Battery Co., Madison.....	149	Stewart-Warner Speed. Corp., Chicago..	126
Chas. Freshman, Inc., New York City...	128	Sunlight Lamp Co., Newton Falls....	123B
H. H. Frost, Inc., Chicago.....	58	Superior Cabinet Co., Muskegon.....	110A
Gen. Instrument Corp., New York City..	66	Talking Machine Journal, New York....	31
General Radio Co., Cambridge.....	115	Talking Machine World, New York....	24
Gold Seal Elec. Co., New York City....	97	Timmons Radio Prods. Corp., Phila....	9
Gould Storage Battery Co., N. Y. City..	116	Tobe-Deutschmann Co., Cambridge....	145

Mica Condensers

(Continued from Page 31)

sible change of capacity value and dielectric strength. Hence the condenser is treated to the impregnating process, which makes it permanent for all time. The condenser is suitably mounted for the exposed type or the bakelite case type or aluminum case type.

Each micadon is tested for dielectric strength and for capacity value. The latter is held to within plus or minus 10 per cent of the rated capacity. The breakdown voltage on micadons runs as high as 4000 to 5000, which, in terms of typical application, means that the condenser is operated so far below its voltage rating that it has a perpetual life.

Each micadon is stamped with its proper capacity value, as well as the name of Dubilier, which it has earned the right to wear.

In the Dubilier plant, micadons are made by the hundreds of thousands. Yet each condenser receives the same care as though it were a laboratory product. Ingenious production methods have served to make this gigantic production possible, while the gigantic production, in turn, has made the low price of micadons possible.

Legion at KFWO

An American Legion program will be broadcast over KFWO, Catalina Island, on the evening of June 11th. This will be during the annual pilgrimage of the Legion to Catalina. There will be a fife and drum corps on the air, and many prominent speakers, including Lt.-Gov. Buron Fitts. The one and only "Happy" Wintz, of El Segundo Post, will be in charge of KFWO after 8 p. m. on the night of this special broadcast. Major Mott's famous hospitality will make the evening doubly enjoyable, both in the flower bedecked studio and over the air.

What! No Hum?

W. J. "Bill" Seroy, head of the Seroy Company, 122 Broadway, Oakland, Calif., Pacific Coast representative for Majestic "B" Current Supply Units manufactured by Grigsby-Grunow-Hinds Com-



pany, Chicago, spent several days in Los Angeles last week.

"Bill" passed around one of his latest photographs which, he claims, illustrates the hardest job he ever had in his life. This job, according to Seroy, was listening for a hum in a Majestic "B" Current Supply Unit. "It just ain't there," said Bill.

STUDIO NEWS

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in the famous Gewanhaus Orchestra and in the opera. The first violin of the quartet is played by Edmund, second by the youngest brother, Gerhard; the dear old father plays viola with as true a tone and as great a love for the music he is helping to create as any young man of 20, and the third brother, Ludwig, who is only a year from Leipzig, plays 'cello.

NAME	Booth No.	NAME	Booth No.
Tower Mfg. Corp., Boston.....	55	Walbert Mfg. Co., Chicago.....	84
Trimm Radio Mfg. Co., Chicago.....	50	Webster Co., Chicago.....	52
Tripple A. Spec. Co., Chicago.....	123A	Webster Elec. Co., Racine.....	6
Tyrman Elec. Corp., Chicago.....	49	Wells Radio Mfg. Co., Inc., Chicago....	121
Universal Battery Co., Chicago.....	65A	W-K Elec. Co., Kenosha.....	44
United Radio Corp., Rochester.....	4	Weston Elec. Instrument Co., Newark..	74
U-S-L Radio Co., Inc., Niagara Falls....	35	Westingh. U. B. Co., Swissvale Sta., Pits.	82
Utah Radio Products Co., Chicago.....	61	The Workrite Mfg. Co., Cleveland.....	34
Valley Electric Co., St. Louis.....	131	Yale Electric Co., Chicago.....	156
The Van Horne Co., Franklin, Ohio.....	22	Yaxley Mfg. Co., Chicago.....	37
Vesta Battery Co., Chicago.....	134A	Zenith Radio Corp., Chicago.....	114
Victoreen, Inc., Cleveland.....	135B		

Portable Power Unit

Now comes the portable radio socket power unit. The United Radio Specialties Company are marketing a very compact A-B power supply in an attractive case, covered with "Arcraft," and designed to match the popular portable receivers now on the market.

The inside dimensions of the cabinet are 8x10x14 $\frac{3}{4}$ inches. It is divided into three sections; the first contains the storage A battery of 36 ampere-hour capacity; the second houses the trickle charger, which has an output of $\frac{1}{2}$ ampere, and is of the Westinghouse type; the third holds the B power unit. The B power unit employs chemical rectification and electrolytic condensers, and has a maximum output of about 60 milliamperes.

Radio News Laboratories O. K.'s Preston Ground

Ungar & Watson, Inc., 1366 South Figueroa St., Los Angeles, who manufacture the Preston Permanent Ground under contract with the inventor, have just received a telegram from the test laboratories operated in conjunction with Radio News, the biggest radio magazine in the field, which endorses the Preston invention as a noteworthy

development in radio ground construction.

"This endorsement," said W. J. Wilson, manager for Ungar & Watson, Inc., "while no surprise to us, will undoubtedly do much to increase the rapidly growing popularity that has already been accorded the Preston product. It is now being sold throughout the United States, and we look for a heavy volume of sales during the coming season."

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R. M. A. A.

President W. D. Scott, intimately known to his large circle of friends as "Scotty," ably directed the most interesting meeting last Friday at the Elite, held by this live wire organization, for some time.

By way of explanation, R. M. A. A. means Radio Manufacturers' Agents Association, and consists of Western Radio Manufacturers and Manufacturers' Representatives. Organized four years ago by a small group of radio manufacturers' agents, it has slowly but surely grown in significance until the evils in radio existing at its inception have been swept away.

Mr. Carl A. Stone, as the first president, guided the R. M. A. A. successfully out of its uncertain early stages. Dave Marshank then succeeded to the presidency, pushing the organization into a position of prominence and influence for the welfare of radio and radio merchandising.

Getting back to Friday, however, President Scott (Scotty) in his eloquently engaging style explained the plans for the special 'Radio' train from Los Angeles to the Radio Manufacturers' Association convention and exposition in Chicago next week.

He exhibited a large sombrero, model of the many to be worn by the Los Angeles delegation on the train and at the show. Incidentally, he revealed that the Union Pacific has gone to great length in making the boys absolutely comfortable en route.

Scotty kept the meeting going at a rapid and interesting pace. A rather high pitch of enthusiasm and anticipation was attained over the part the Pacific Coast would play at the great Chicago radio gathering.

The worthy and versatile president then agreeably surprised the members by having presented some excellent en-

tertainment. Hal Davis of Radio Doings displayed promising talent in "talking" a song to his own accompaniment.

Jack Miller, also of Radio Doings, gained lasting renown in the radio world by his masterly renditions on the piano. He then accompanied Mr. A. H. Robertson, another member of the Ra-



"SCOTTY"

dio Doings staff, in some cornet solos, which, believe it or not, were cleverly executed without a cornet.

Then came the introduction of new members, and the following were warmly welcomed into the association: Mr. Bender, representing the Gold Seal Tube Company; Mr. Flynn, California Manager of the Magnavox Company; Mr. Herbert J. Mayo, District Manager of the A. S. Lindstrom Company; Mr. John Haddaway of the Haddaway Manufac-

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Pacific Coast Manufacturers' Agents

Carl A. Stone Co.

*Direct Factory Representatives
Covering Pacific Coast*

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407 E. Pico St.
LOS ANGELES

B. R. Hassler Co

305 Allied Crafts Bldg.
LOS ANGELES

Westmore 9466

Los Angeles San Francisco Portland

Marshank Sales Co.

Manufacturers' Representatives

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Lombard J. Smith

Manufacturers' Representative

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Tucker 8917 LOS ANGELES

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274 Brannan St., San Francisco

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THE NATIONAL COMPANY, INC.
BROWNING-DRAKE CORPORATION

"WHO'S WHO" In RADIO

—and the reasons why

C. W. Smith

C. W. Smith Company, "The Home of Utah Speakers." When you think "Utah," you think C. W. Smith. This has not been accomplished without work and effort, and lots of it, but C. W. is afraid of neither.

Cloyd W. Smith came to Los Angeles in 1920 to promote the sale of the Tungston Spark Plug for the Marshall Oil Company, having previously been in their employ for sixteen years selling their products in the middle west. He liked Los Angeles so well and had been so successful in putting over his line, that he decided to make this his home, opening an office and stock room at 220 Winston street. In 1923, on account of the growth of his business, he moved into larger quarters at 1020 Crocker street, where he added a complete stock of automotive accessories. In 1924 Smith made his bow to the radio trade by adding Ray-O-Vac Batteries and Distantone Receivers to his automotive lines. Shortly after this he was appointed California representative for the Utah lines. Within a very short time, on account of the large volume of business that he developed in radio, Smith decided to center all his efforts on radio, and no longer carried automotive lines. Again a move into larger quarters became necessary, and this time we find C. W. moving to "Radio Row," and opening

what is now one of the finest show rooms in the trade at 1125 Wall street. C. W. Smith Company now is ranked with the largest radio jobbers on the Pacific coast, and is distributing the following well known lines: Utah loud



speakers and units; United Radio Cabinets; McMillan and Walbert Isofarad Receivers; Walbert Penetrolas; Eagle Chargers, and A and B Eliminators. The success of the C. W. Smith Company in the radio business has again demonstrated that good business meth-

ods and hard plugging accomplish all things. C. W. is kind enough to tell us that he owes much of his success to Radio Doings, and that his advertise-

ments in the "little red book" put him on the map. We can truthfully say that he has used no other medium, and appreciate "them kind words."

Carl A. Stone

Many have come and gone in the radio business during its comparatively short life. Look over the list today and see how many of those who started in the game but a few short years ago now survive.

Carl A. Stone has not only stayed in the game since the start, but has forged ahead each year.

Always interested in the advancement of radio, Carl has taken an active part in the Radio Trades Association, having acted as director, and was one of its organizers in Southern California. Many of the wise policies of the association originated with Stone. He has served as president of the Manufacturers' Agents branch of the association, and has been on the show committee each year.

Carl A. Stone Company represent some of the leading manufacturers in the radio industry and have done so since their entry into this field.

At the present writing Mr. Stone is making a trip east, primarily for the purpose of attending the sales conven-

tion of the All-American Radio Corporation at Chicago, and also to attend



the RMA convention in the same city June 13 to 17.

R. M. A. A.

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turing Company; Mr. Patterson of the Patterson Radio Company, and Mr. Burroughs of the Burroughs Radio Manufacturing Company.

The present admirable status of the R. M. A. A. is due, primarily, to the fine efforts of President "Scotty," during the past year. His unceasing efforts

and constructive policies have built the organization from a mere handful to over sixty-five members. As a manufacturers' representative, "Scotty" is a whiz, but as a president—well, he was good enough to break all precedents recently by being elected to the chair for a second term.

Timely Trade Topics

Bertie Smith has just returned from an extended visit to the Kodel factory in Cincinnati and is most enthusiastic about the products being turned out. He tells us that orders are coming in so fast that the factory is working three shifts and employing over 400 persons. The Kodel Company announce the following new items: A replacement unit for all electrolytic trickle chargers and A Power Units; a replacement unit for Rectigon and Tungar bulbs; a trickle boost charger, giving 8/10 to 1 amp charging rate; a trickle boost charger, giving 8/10 to 1 amp charging rate, together with 2½ to 3 amps. A trickle B recharger, for recharging dry B batteries; six new B Transifiers; three models of A Power Units; three combination A and B Units and two combination A, B and C Units.

A. J. Tobey of the A. J. Tobey Company, Los Angeles, accompanied by his wife and son, left on the 4th by automobile for the R.M.A. convention in Chicago. Mr. Tobey is combining business with pleasure on his trip East, as he intends spending some time with relatives in Iowa and Kansas before returning to Los Angeles.

"Frost Radio" will show many new items at the R.M.A. Show in Chicago. Herbert H. Frost, Inc., are specializing in variable resistance units at present. This type of unit has come into great prominence with the advent of the radio power units and N. C. Schellenger, chief of technical staff of the Frost Company, is cooperating with manufacturers in designing special units to meet their individual requirements.

W. D. (Scotty) Scott is Western Sales Manager for the Frost concern, with headquarters in Los Angeles, and branches at San Francisco, Portland,

Seattle, Spokane, Salt Lake City and Denver.

Frank A. Emmet of the Scott organization spent last week in San Francisco, opening the new office at 440 Sansome street, phone Sutter 2875. W. D. Brill is manager of the San Francisco office of the Scott Sales Company. He was formerly with the Gilson Electric Company of Oakland.

J. J. Perlmuth, representing American Transformer Company, Potter Manufacturing Company, Raytheon Manufacturing Company, Reichman Company, and Thordarson Electric Manufacturing Company, has opened an office in the Calo Buidling, 443 S. San Pedro street, Los Angeles. His phone number is TUcker 8016.

George A. Shipley, general sales manager of the French-Battery Company of Madison, Wisconsin, will arrive in Los Angeles about June 22nd to spend some little time in the Western territory "looking things over."

Set manufacturers and dealers will be interested in the announcement that the Powell Manufacturing Company, 4009 S. Western avenue, Los Angeles, have recently developed a "B" Battery Eliminator Kit which can be adapted to any type of receiver now on the market using "A" or 199 tubes. Their engineers are also in position to design a "B" Eliminator adaptable to any set or type of circuit. In addition, they are meeting with much success in their manufacturer of a combination "A and B" Eliminator kit for any set using crystal detector. Mr. Powell and his engineers will gladly cooperate with set manufacturers in designing an eliminator kit to especially accommodate any type of set or circuit being constructed or in contemplation.

Timely Trade Topics

The A. J. Tobey Company, Southern California distributors for a number of popular radio lines, including the Philco power units, CeCo tubes, Golden Bear and Holmes Speakers and the Holmes and Arbophone receiving sets, held their annual employees' picnic on May 22nd, at picturesque Soledad Canyon. There were over a hundred in attendance, and the day was spent in various sports. The high light of the day was the baseball game between the Service and Sales Departments, the latter winning by a score of 29 to 7. "Babe Ruth" Hensel carried off the batting honors with several home runs.

This annual outing for the employees of the A. J. Tobey Company and their families is just one of the many entertaining features this company provides from time to time for their efficient and live organization.

The Webster Company of Chicago have announced a new A power unit which will supply the A current for sets using up to 7 tubes without necessitating any changes in the wiring of the receiver. In other words, it will not be necessary to wire the filaments in series, as is the case with many A power units. The Webster A is an absolutely bone-dry unit. This new A unit, combined with the Little Giant BC unit, which has proved so successful, makes the most compact ABC supply on the market, the new complete unit being of the same dimensions of the Little Giant BC.

The Webster products are represented by the Scott Sales Company of Los Angeles. Mr. Scott is also enthusiastic about the Tab Dry Rechargeable A and B batteries, manufactured by the Dry Storage Battery Corp., of Philadelphia. These batteries are made in the standard sizes and may be recharged up to nine times.

The Globe Art Manufacturing Company of 69-77 Winthrop street, Newark, New Jersey manufacturers of Globe Condensers and Farapak, announce the appointment of Carl A. Stone Company of Los Angeles as their factory representative for the states of California, Oregon and Washington. They invite manufacturers requiring condenser blocks for B eliminators and AC operated sets to communicate with the Carl A. Stone Company for prices and samples.

Asbestos suits are used by workmen in Kuprox electric furnace foundry of the Kodol Radio Corporation, Cincinnati, Ohio, where the new metallic rectifying units, discovered by scientists



of the University of Cincinnati, are being manufactured. Kuprox will replace all electrolytic, bulb or vibrating type rectifiers for charging batteries or in power units. The intense heat makes it necessary for workmen to take these additional precautions.

DAVEN REDUCE PRICE OF MU 20 TUBES. Effective June 1, 1927, the price of Daven Mu 20 tubes is reduced to \$2.25 each. Carl A. Stone Company, Pacific Coast representatives for Daven report an increased demand for Daven tubes as a result of the lowering of the list.

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R-1

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