THE NEW

Slewart-Warner

Will be One of the Outstanding

Features at the Radio Show

Six tube, single dial, shielded and unshielded

models will be on display.

All out-of-town dealers

are invited to make our office their headquarters.

We're "just around the corner" on Broadway.

Stewart-Warner Products Service Station

Scattle and Tacoma

Distributors: Stewart-Warner Radio Ray-O-Vac Batteries Majestic "B" Power-Cunningham Tubes Stewart A-B Power Units-Kodel Products

British Names Quoted

DRIVERLESS AUTO

"Phantom Car" Will Be One of Features of Pacific Northwest's Show Opening Here on Sept. 8.

JISIONS of Jules Verne are to be VISIONS of Jules Verne are to be viewed in actuality in Seattle during, the first Radio Exposition which opens in the Hasonic Temple for four days, Berlinning September 3, when the "Phantom Car," an automobile controlled entirely through radio transmission, will appear. The phantom car is to be Chrysler chosen from the stook models of the Seattle distributor, and will be operated in the city streets without a driver or any direct human control.

troi.

An automobile will be made to operate through ordinary traffic by means of control equipment contained in another vehicle, following in its wake. Radio principles tained in another vehicle following in its wake. Radio principles are utilized throughout; in fact, the control car is essentially a broadcasting station in miniature and the phantom car is the receiving station. When a switch is turned in the control car a series of relays is actuated, radio waves flash forth into ather to be picked up by the phantom car, where the signals actuated another set of relays that cause the car to stop, move forward turn to the left of right, slow down or accelerate in fact, to execute r accelerate—in fact, to execute ny motion of a human driver.

\$1,000 Reward.

As proof of the authenticity of its lemonstration, the management of the phantom car is offering a reward of \$1,000 to the person of persons, who can furnish proof that a triver; is concealed in the car. In the Seattle demonstration, which by he way is the first in the Pacific Northwest, the operators will conjust a series of lectures showing ust how the control is accomplished. In reality, it is a simple eat, one that entals use of only , one that entails use of only simple laws of radio, electricity physics.

Control of Volume Essential in Radio

Volume centrol has come to be an sential feature of the modern die receiving set, according to J. t. Loofbourow, professor of physics f the University of Cincinnati, who well known as a technical writer

méthod of detuning or turning ..eseCrosly cm cm cmcccr

Fraud Over Radio

Is Laid to Brokers

Paris recently four financiers—Russlans, a Hollander and a lan—were arrested for having lied a secret radio broadcasting on and assisted the speculation on federates in their own gounger by broadcasting, many times y, the Bourse quotations, sopetic actually in the secretary of the secretary in imber. was stated that the broadcast

otations were concealed by the e'of additional figures. Though e amount of their profits is untown, the men were sentenced to y small fines on a charge of inluging the law of the state morphly of telegraphic transmission d the law regulating broadcasts.

Girl Plays for Her Parents Miles Away

Before forty minutes had elapsed fier Nellie Callender Mills, radio folinist, received a wire from her arents in Minueapolls requesting wo of their favorite musical selections, she had arranged with KFI o get on a program, rushed to the LT studio, played the numbers returned to her home and received the number wire from them in appresation.

How to Determine Polarity of Battery

To determine the polarity of torage batterles or the plus and ulnus leads of any direct current nain, prepare a solution of ordinary late mixed with water in a small lass tumbler. Then place the two eads of the battery the electric nain in the solution of bribles will rise, and although both wires will mit a certain amount of ogas. The needs of the most will be he regative lead!

Location For Fuse.

Location For Fuse.

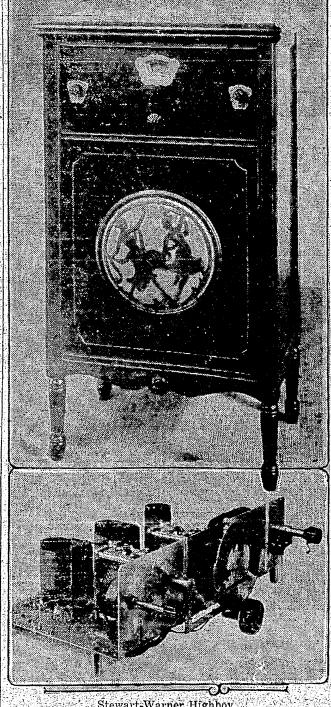
When installing fuses in a receiving set especially in the "A" attery circuits, place them as close to the terminal as possible so that he current, will have to flow hrough them, whether the batterys on charge or operating the set, the fuse should be not greater than ampere capacity, and either utomobile or electric light type of

Tacoma

B. V. DUNCAN, 746 Pacific Ave. Exclusive

Stewart-Warner Dealers

NEW "MATCHED UNIT" MODEL



Stewart-Warner Highboy. Above—The new Stewart Warner Highboy is distinguished by the graceful design of the built-in cone speaker. Below—The six-tube single dial chassis used in the Highboy.

mountings and fuses-may be used. Be very careful, however, that the

RADIO IS ASKED TO FIND WIFE FOR LONELY BACHELOR

RADIO has been recruited to K the service of almost every-thing under the sun. The latest task it has been asked to per-form is to help a man find a

wifel
The request came to Station
KOAF Denver, Colo. It had to be
turned down, which might be
thought heartless considering
that the man was "40 years old
and still a bachelor."
This man would have made,
somebody a good husband, too,
for he wrote, "I em, and I am
proud of it, that I am a staunch
teetotaler."

HARMONICS PROVING AID IN BROADCASTING

Expert Tells How Various Musi cal Instruments Can' Bo Told Apart.

Were it not for harmonics, which ira present whenever a musical note s sounded, it would not be possible for the ear to distinguish one instrument from another. In broad-cast reception, and likewise tronsfication of these harmonics can be the cause of extremely poor tone uuality at the loud speaker. Dis-cussing this topic in a comprehen-sive article in The Radio Broadcast Magazine, Edgar Folix writes as follows.

cousting this topic in a comprehensive article in The Radio Broadcast Magazina. Edgar Folix writes as follows:

"The lowest tone of a glant organ actually goes down to sixteen impulses per second. No commercial repreducing instrument goes so far down in frequency. In fact, only a rew radio recalvers respond to less than 100 cycles frequency, while most of them confine their attention only to frequencies ligher than 150. Yet even these latter receivers reproduce a sound when the organ is broadcasting its lowest tone. That sound is due to the harmonics—only released as double, triple and higher multiples of the fundamental frequency.

"The Individual characteristics of different instruments, which enable a hearer to distinguish one from the chief even when sounding the same pitch, are embodied in those harmonics. It is the proportion in frequency, but so also are the harmonics. It is the proportion in the feeting when the same pitch, are embodied in the same pitch, are the same

IN HISTORY OF RADIO

Even Greater Improvement Pre dicted by W/M. Hansen of Stewart-Warner.



W. M. HANSEN.

BURNING AIRPLANE WILL THRILL WITH FALL FROM SKIES

"OH, MAMMA, LOOK!" with week, when he sees an airplane actually burning and falling through the skies.

But little Wille will be disappointed, because the plane will be driven by Jack Clemence, Pacific Coast's famous stunt flyer and dare-devil pilot. Clemence brought his Great White Bird to Seattle to thrill thousands of radio fans who are here to attend the radio exposition.

The Great White Bird, with the aid of a patented red flare, is able to show exactly how it looks to see a plane burn and fall through the skies, and he will perform each evening during the show, it was said.

AMERICA OWES MUCH TO EUROPE MASTERS

Italy Takes Lead and Britain Follows in Furnishing Classical Music for Radio.

WITH the turning of the century mark in the series of Sunday night radio concerts, Walter Damtosch, famed conductor and com poser, has taken occasion to remind America's listening public that the roadcasting of classical music to increasing, millions has proportion-ately increased the obligation to

European masters.

World famous opera and concert artists in presenting their concerts over the network of nineteen stations have naturally drawn heavily on the masterpleces of European composers.

Italy Leads in Music.
"The sons and daughters of Italy have helped greatly the cultural development of our country," declared Mr. Damroseh. "What: should our opera houses have done without Italy's singers, conductors and composers?" The masters of Germany, the musical mother of our people, were the first to sow the seed and cultivate the ground from which we

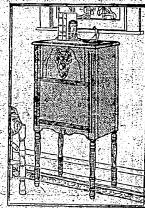
"The masters of Germany, the musical mother of our people, were the first, to sow the seed and cultivate the ground from which we have contributed largely to the cultivate of the great series of the amusical hardward for the great series of the series of the great series of the series of a seather of a contributed largely to the cultivate of the great series of th now garner so rioh a musical haryest.

"Great Britain's golden age of
music, which began in the time of
Quèen Elizabeth and which flowered
in the creation of the most exquisite
unaccompanied madrigals, as well
as church music, and which after
Lully down to Debussy and Ravel,
that lay dormant for centuries, is
now returning again in the works

Radio Clock Now Is Being Used in East

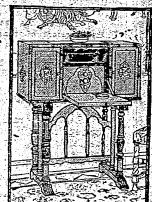
The heaviest bell ever England and the largest in Amer ica, eighteen tones; is on the roof of the Wanamaker store in Philadel-





PAWNEE CONSOLETTE - Rich walnut, hand-rubbed, piano-finish, duo-tone, with piano-finish, duo-lone, with apron maple spindle-carved, four-turned legs, battery compartment with front removable punel but without speaker with set compartment accommodating. Mohawk interchangeable battery or electric Drawer Unit. Dimensions: 88%x191/x184, inches Battery operated, less accessories. List—

\$97.50



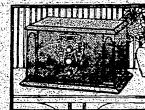
SEMINOLE, SEANISH VARGUENO CONSOLE

A superbly unusual Mohawk - Creation Complete in every detail of design, originality and con-struction. Dimenstruction. Dimeti-sions: 45%x36x20 inches. List—

Making Them Better Priceing Them Lower Selling Them Faster

Radio Leadership

1927-28



NAVAJO TABLE CABINET —Rich walnut, hand-rubbed, pi-ano-finish, duo-tone with maple overlay on end pilasters. Full piano-hinged. Dimensions: 174x12x1014, inches. Battery operated, less accessories. List—

WHEN it was first announced, Mohawk One-Dial Radio for 1927-28 had 6 great features that assured Mohawk dealers 6 times more certainty of success. Now a seventh feature is added —an amazing speaker of tone which the most prejudiced will grant is unrivaled. Through a newly discovered, exclusive construction, the Mohawk Pyramonic Speaker achieves a depth and clarity of expression that seems beyond improvement—to excel it will require necromantic powers not pos-

Now 7

Now check these Mohawk features: 1-The first and the foremost One-Dial, shielded, 6 tubes. 2-The exclusive Mohawk Interchangeable Drawer, an insurmountable barrier to competition. 3-Consoles that must be seen for adequate appreciation. 4-A, C. electrically operated sets. 5-The Mohawk Dealer Franchise - unprecedented in its broad 6-The astounding Mohawk Pyramonic Speaker. 7-Absolutely unparalleled prices!

MOHAWK RADIO

is now licensed under. Indio Corporation of America Patents

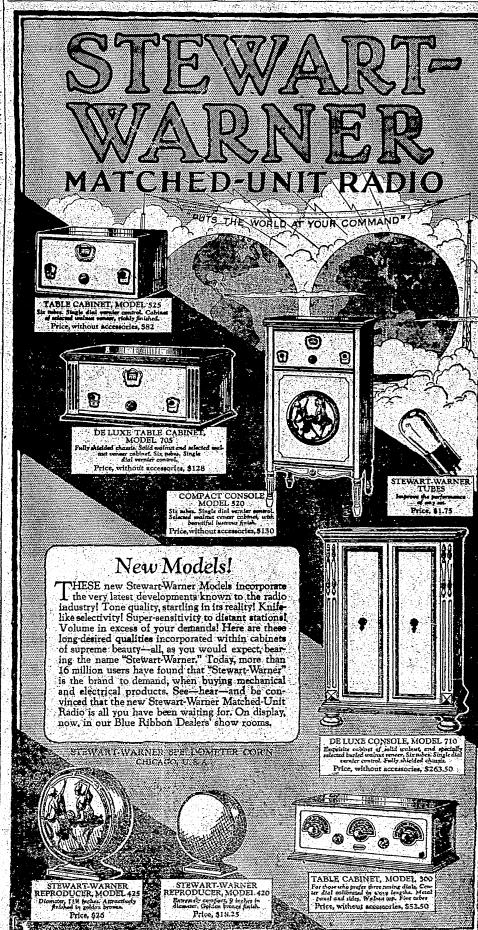
The Universal Radio Corporation

71 Columbia Street

EXCLUSIVE DISTRIBUTORS

Universal Radio Corporation

RADIO SHOW—BOOTH 54—SEATTLE, WASHINGTON



Stewart-Warner Products Service Station Distributors

Seattle—Tacoma