

## G-E Cleaners

Features of the G-E cleaners: **NO OILING**—each cleaner has a General Electric motor with precision type ball bearings which are packed in lubricant. **UNUSUALLY STRONG SUCTION—DUSTPROOF BAG**—of blue twill. **EASY-TO-EMPTY-BAG**—has extra large opening at top. **LIGHT WEIGHT**—cleaner body, motor base and cap are of aluminum. **HANDLE LOCK**—the handle can be locked in any position. **SPECIAL CASTERS**—which make cleaner particularly easy to maneuver and will not scratch hardwood floors. **PISTOL GRIP HANDLE**—comfortable, with rubber bumper on end to prevent marring of furniture, trigger switch always at finger tips. **LONG CORD**—twenty feet. **GUARANTEED**—by General Electric for one year.



**ATTACHMENT KIT**—This kit includes: one each, coupling, eight foot hose, nickel plated extension tube, upholstery tool, upholstery brush, soft-nose tool and an attractive cloth holder for attachments.

No. 6964 Attachments. List price \$10.00. Your price **\$6<sup>67</sup>**

**\$22<sup>87</sup>**  
NET

**Model 69**  
List  
**\$35.00**

**Model 75**  
List  
**\$24.50**

**\$16<sup>01</sup>**  
NET

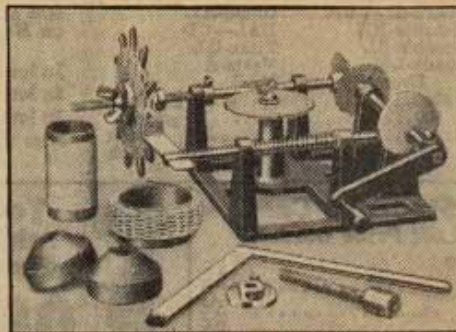
### Coil Winder

Kit contains everything necessary for making such coils as Spiderweb, Honeycomb and Solenoid. It is a complete outfit for the experimenter, it will enable him to make coils practically as good as factory made coils.

Kit contains: 1 Universal Coil Winding Machine with Winding Forms; Bakelite Washers for Coil Ends; 1 Can Bakelite Insulating Cement; 1 Spool of Wire; 1 Bundle of Iron Core Wire; 2 Lengths of Wood Tubing — different sizes; instructions for using.

List  
\$10.00  
**\$5<sup>88</sup>**  
NET

### Morris Koil Kit



### Morris Bakelite Cement

A quick drying Cement for all purposes — combining bakelite. It can be used for covering wires, coils and all radio uses and for cementing leather, canvas, wood, etc.

#### In Sealed Cans

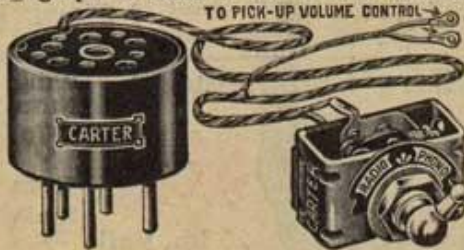
Size	List	Net
¼ pt.	\$0.25	<b>15c</b>
½ pt.	.50	<b>30c</b>
1 pt.	1.00	<b>59c</b>

### Carter Phono Adapter and Switch

The Carter PHONO ADAPTER and SWITCH permits changing from phonograph to radio or the reverse without changing any connections. Use No. PC26 for four prong and PC27 for five prong tubes.

No. PC27  
or  
No. PC26  
List \$2.75

Net **\$1.62**



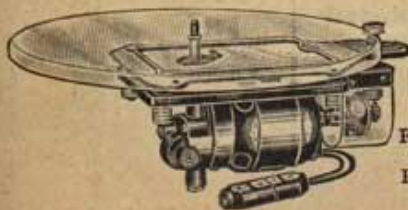
### Bodine Phonograph—Television Motors

#### Turntable Unit

No. RC10 **\$23.89**  
List \$37.50 Net

#### Television

No. TV20  
For 20" Disc **\$17<sup>64</sup>**  
No. TV12  
For 24" Disc  
List \$30.00  
Each Net



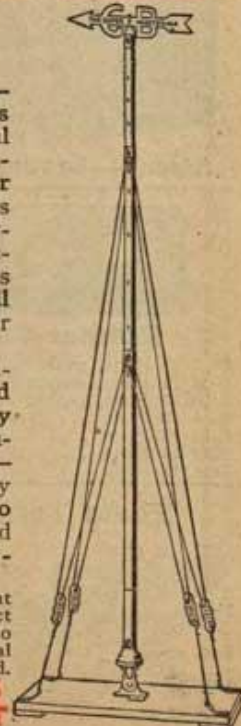
### Super MasTenna

It is more efficient—receives more signals—gives more signal strength to weak stations—gives better volume because of its greater exposed surface of high conductivity aluminum. Is non-directional. Will not rust, corrode or oxidize.

Can be adjusted instantly to any desired length or capacity without tools—all connections screw tight—light in weight (only four pounds—easy to install—compact, and above all, EFFICIENT.

Thoroughly insulated at top and bottom to protect against loss of signals, also to protect against electrical contact with the ground.

List Price **\$7<sup>35</sup>**  
Net  
\$12.50 Each





# Radio



Catalog  
No. 67

SEASON  
1929

## Television

### *Electric Sets*

On Pages 3-14 incl.  
The "Granada," pictured above,  
is described on Page 7.

We handle only Nationally-Advertised  
Merchandise of the Highest Character at  
Prices that Will Save You Money. Every  
Article Must Satisfy You or Money Cheer-  
fully Refunded.

**WHOLESALE  
ONLY**

# **WALTER ROWAN COMPANY**

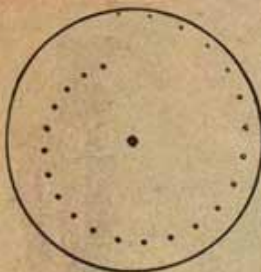
**833 West Washington Blvd.**

**CHICAGO, ILLINOIS**



# Daven Television Products

## SCANNING DISC

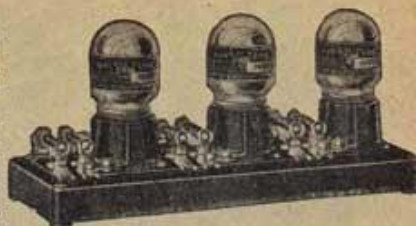


Daven Scanning Discs are designed to afford the best possible quality of image. Unless holes are laid out mathematically correct, the field will not be evenly illuminated causing light and dark lines to appear. A standard of one and one-half inch square picture has been adopted in order to take advantage of all the illumination that is obtain-

able from the Television Lamp.

T-24 24 holes.	List \$ 5.00	<b>\$3.18</b> Net
T-36 36 holes.	List 7.50	<b>\$4.77</b> Net
T-45 45 holes.	List 10.00	<b>\$6.37</b> Net
T-48 48 holes.	List 10.00	<b>\$6.37</b> Net
T-468 24, 36, 48 holes.	List 15.00	<b>\$9.55</b> Net

## TELEVISION AMPLIFIER



Daven Television Amplifiers T-3 and T-4 complete with resistors and coupling condensers. Electrically, it is the best type for Television Amplification. The Amplifier has "C" battery

connections on all stages. The Amplifier should be equipped with 2 Daven HI MU-20 tubes and one or two Daven Output tubes depending upon the type of amplifier.

T-3 3 stages.	List \$12.50	<b>\$8.07</b> Net
T-4 3 stages with two output stages parallel.	List \$17.50	<b>\$11.15</b> Net

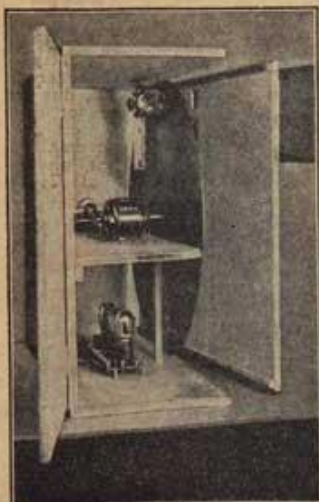
(Prices are less tubes.)

## AMPLIFIER TUBES FOR TELEVISION

Daven tubes should not be confused with the ordinary "all purpose" tubes—they have been designed and built for special purposes and are considered by leading engineers to be the best for the purposes intended.

MU-20, the first high amplification tube to be placed on the market, is still considerably the best for all stages preceding output tube and for detector where great amplification is required.

	List \$2.25.	Net <b>\$1.55</b>
MU-6 10 mill.	List \$3.50	<b>\$2.42</b> Net
AC-71 20 mill.	List \$3.50	<b>\$2.42</b> Net
AC-10 30 mill.	List \$9.00	<b>\$6.17</b> Net



## TELEVISION RECEIVER

The Daven Television Receiver has been designed to assist the dealer in the sale of Daven Television apparatus. It is a complete Television receiver and will receive pictures requiring different size disc. Apertures for 24, 36, 45, 48, line pictures are provided. The Daven Television Receiver is completely wired and includes Neon Lamp, Disc, Rheostat, Bushing, Cables, T-4 Amplifier, etc.

R-240 with 24 hole Disc.	List	<b>\$63.70</b> Net
R-360 with 36 hole Disc.	less	
R-450 with 45 hole Disc.	tubes	
R-480 with 48 hole Disc.	\$100.00	
R-4680 Comb. disc.	List \$105.00.	<b>\$66.89</b> Net

## TELEVISION TUBE

These lamps are designed to operate with an output tube in series. Will give excellent results with a current of 20 milliamperes or less. Where extremely bright illumination is required for maximum results, the tube may be loaded up to

80 milliamperes, by means of suitable output tubes singly or in parallel. Plate area 1 1/2" square.

**\$8.58**  
Net



LIST PRICE  
**\$12.50**

TYPE  
**T-2080**

## TELEVISION KIT



In order to assist the novice in selecting the proper apparatus for constructing a simple yet efficient television receiver, the Daven Essential Kit is offered. The kit contains the following apparatus: Neon Lamp, Universal Motor, Scanning Disc, Rheostat, Three Stage Television Amplifier Motor Bushing and Complete Instructions for wiring and constructing. Tubes not included.

T-240 with 24 line disc.	
T-360 with 36 line disc.	
T-450 with 45 line disc.	
T-480 with 48 line disc.	

LIST **\$60.00** **\$38.22** Net

T-4680 with Comb. disc.	NET <b>\$41.40</b>
List \$65.00.	

Universal Motor AC-DC. List \$27.50. Net **\$17.51**

ALL PRICES ARE NET. 2% CASH DISCOUNT ALREADY DEDUCTED



# NATIONAL

## SCREEN GRID

### SHORT WAVE RECEIVER

**For Long Distance Short Wave Reception and for Experimental Television Signal Reception**



4 National Short Wave Transformer Coils; 1 National Dial, Type E, with Type 28 Illuminator; 1 National Condenser, Short Wave Type, 125 mmfd. Foundation Unit; 1 National R. F. Choke No. 90; 1 National H. F. Impedance No. 10; 1 Carter Molded Mica Condenser .001 Mfd.; 1 Carter Molded Mica Condenser .00025 Mfd.; 2 Carter By-pass Condensers .5 Mfd.; 1 Carter By-pass Condenser 1.0 Mfd.; 1 Electrad Royalty Resistor No. L; 1 Lynch Equalizer No. 2; 1 Lynch Equalizer No. 15; 1 Lynch Gridleak—6 megohms; 1 Yaxley Filament Switch; 8 Eby Binding-Posts.

List \$35.00

Including Westinghouse Micarta panels, sockets, gridleak and R. F. Choke Mounts, completely drilled, ready to assemble.

**\$20<sup>58</sup>**  
Net

THE NATIONAL SCREEN GRID short wave receiver comprises several rather unique features. One is the single tuning control. Another is the foundation unit design which permits an efficient layout of parts, with but a few connections to be made by the assembler. As a result of the 222 in the first stage, the sensitivity of the receiver in general is materially better than that of the plain regenerative detector type formerly so much in use. Furthermore, the use of the 222 ahead of the essential regenerative detector prevents radiation. The advanced design of this Receiver makes shielding unnecessary. The receiver will cover the band of the 115 to 15 meters (2.65 to 20 megacycles). A transformer for regular broadcast reception on the 200 to 600 meter band may also be obtained. This unit contains four interchangeable tuning transformers, as follows: A, range 15-25 meters; B, 24-40 meters; C, 37.5-65 meters; D, 60-115 meters.

There are a very great many more stations to be heard with a shortwave receiver, and distance takes on an entirely new meaning. It is not uncommon to receive broadcasting from ANE, at Java, 3LO at Melbourne, Australia, 5SW at London, PCJJ in Holland, etc.; and static and fading are frequently entirely absent when reception on the regular broadcast band is exceedingly poor. This receiver will also pick up short wave television signals.



### Equicycle Condenser (For Short Wave Receivers)

Straight line frequency type, 270° rotation, built into our Girder frame. The spacing between plates has been doubled in the smaller sizes and a non-inductive pigtail added to insure positive and silent operation without detuning.

Type	Capacity M.F.	Plates	Spacing	List	Net
EC15	.000015	3	.156	\$4.00	
EC50	.00005	9	.156	4.25	<b>2.505</b>
EC75	.000075	11	.156	4.25	
EC100	.0001	15	.156	4.50	<b>2.650</b>
EC125	.000125	19	.156	4.50	
EC150	.00015	9	.078	4.00	<b>2.365</b>
EC250	.00025	17	.078	4.50	
EC350	.00035	23	.078	4.75	<b>2.795</b>
EC500	.0005	31	.078	5.00	

(Above prices do not include dial) **2.94**

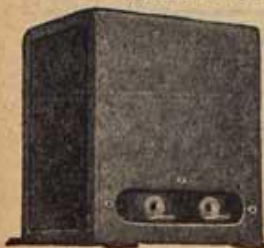
### National Equitune Condenser (Modified Straight Frequency Line)

The GIRDER FRAME construction of this Condenser is such as to permit "ganging" when so desired for Single Control Sets. The Frame of the Condenser may also be used to replace brackets for supporting a sub panel.

Catalog Symbol	Capacity M.F.	List	Net
ET150	150 MMF	\$4.25	
ET250	250 MMF	4.50	<b>2.650</b>
ET350	350 MMF	4.75	
ET500	500 MMF	5.00	<b>2.949</b>

(Above prices do not include dial)

### Audio Transformer



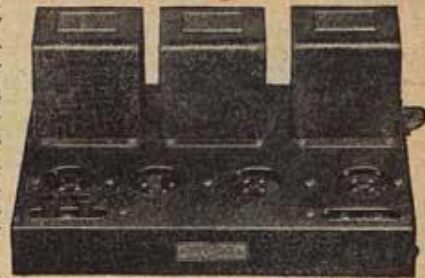
The new NATIONAL Audio Transformer incorporates the latest advances in audio transformer design. It uses the new nickel-steel high permeability core and special split secondary winding. The result is a transformer of small size with unusually fine frequency characteristics. The transformer has a turns ratio of 4 to 1.

List \$9.50

**\$5<sup>59</sup>**  
Net

### Push-Pull Amplifier

This unit, completely wired, comprises our new Push Pull Transformer mounted on a metal base. All wiring is very neatly concealed.



Owing to the fine characteristics of the Transformers used, the results obtained from the Amplifier are most gratifying. It is so constructed that it may be completely A. C. operated from either of our High Voltage Power Supplies by the use of an UX-227 Tube in the first stage. An additional first stage socket is also provided to permit use of UX-112A operated from six volt Storage Battery when so desired. Either the UX-210 or 250 Power Tubes may be used in the last stage of Amplifier. Proper resistance is provided as an integral part of Amplifier to automatically supply correct Grid bias voltages regardless of plate voltage used.

This Amplifier is particularly adapted for use in electrification of Phonographs and for attaching to two tube tuners or for modernizing present sets by replacing the audio end of the receiver.

List, completely wired without Tubes, List \$40.00

**\$23<sup>52</sup>**  
Net

### Push-Pull Transformer



List Price \$9.50

**\$5<sup>59</sup>**  
Net

largest radio set manufacturer in the country showed a curve of the frequency characteristics of this Transformer to be essentially a straight horizontal line from 30 to 5000 cycles.

This Transformer is constructed with a special nickel-steel alloy core and novel method of coil winding, resulting in unusually fine frequency characteristics without being unduly cumbersome. A test made in the laboratory of the

ALL PRICES ARE NET. 2% CASH DISCOUNT ALREADY DEDUCTED



# ROBERTSON-DAVIS

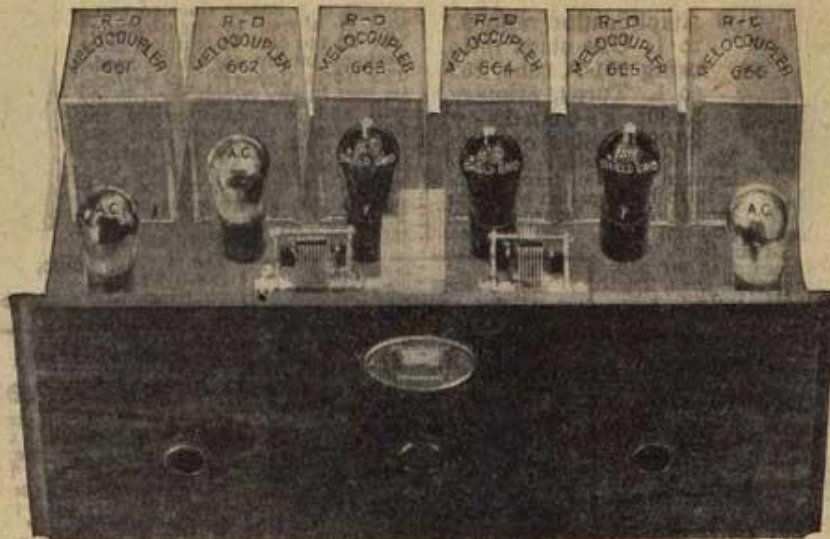
## AUTOMATIC SUPER-SIX

Entirely  
AC

3 Stages  
of AC  
Shield  
Grid

Com-  
pletely  
Shielded

No Aerial  
Needed



No  
Batteries

Only  
Three  
Controls

One Spot  
Recep-  
tion

Nothing  
to Solder

ROBERTSON-DAVIS

ROBERTSON-DAVIS AUTOMATIC SUPER-SIX

ROBERTSON-DAVIS

### RADIO'S LATEST DEVELOPMENT

**T**HE Robertson-Davis Automatic Super-Six fits together like a set of building blocks. All instruments are fitted and housed in the sub-panel except the trimmer, condensers and volume control which are mounted directly on the panel. The sub-panel is completely wired and sealed in an aluminum case. The tubes and transformers all plug right into the sub-panel for which a double row of sockets is provided, one row for the six tubes and the other for the six transformers. The transformers are Robertson-Davis Melo-couplers of the new shielded plug-in type. By plugging in the proper coils either broadcast or short wave signals can be received.

**T**HE intermediates are peaked at a frequency of 465 kilocycles. Set is entirely A.C. operated, using 3 Arcturus A.C. Shield Grid Tubes and 3 Arcturus 28 A.C. tubes. Kit can be supplied for D.C., same price. A change of antenna and oscillator coils makes it possible to cover a waveband of from 20 to 555 meters, thereby adapting the receiver for television or short-wave use.

2 Television—Short Wave Plug-In Coils required, extra. No soldering necessary—a screw driver and 18 minutes are all you need to put this receiver together. Panel 7"x21". Chassis 12" deep. Completely wired and ready to assemble, with full set of instructions.

List \$95.00

**\$55<sup>86</sup>**  
NET

### ROBERTSON-DAVIS AUTOMATIC ELECTRIC TUNER

Press a Button and Your Favorite Station Plays. The Robertson-Davis Automatic Electric Tuner plugs directly into the Automatic Super-Six Receiver. Any six stations can be selected for automatic playing, and these can be changed at will. The desired station is tuned in on the drum-dial, and is then quickly transferred to the Automatic Tuner by two simple adjustments. When the six desired stations are adjusted to the Tuner, they are marked for identification on the index holder. One button controls each of the six favorite stations.

Your six favorite  
stations at the  
touch of a  
button!



List \$47.50

**\$27<sup>93</sup>**  
NET

Another button is provided for set operation from the drum-dial. Depressing any one of the seven buttons automatically cuts out all the rest, and brings in only the station desired from the six selected on the Tuner, or any other tuned in with the drum-dial on the receiver. Complete with instructions. A.C. Audio Unit for the R-D Automatic Super-Six may consist of two stages using A.C. and 171 Tubes, or a 250 Super-Speech Power Amplifier. Any audio system may be used, but Thordarson equipment is highly recommended. Filament Transformer Required: 1 Thordarson T2610.

### Television Short Wave Coils

List \$6.00

**\$3<sup>53</sup>**  
NET

Television short wave plug in coils—two required. Wave band covered 20 to 555 meters.

### Super Speech Amplifier

This special amplifying system delivers the finest tone it is possible to obtain. It uses one No. 250, 25 watt tube.

List \$94.50

**\$55<sup>57</sup>**  
NET

ALL PRICES ARE NET. 2% CASH DISCOUNT ALREADY DEDUCTED