The Lafayette "Kitchen-Kall" System

The Lafayette "Kitchen-Kall" system, as its name implies, is specially designed for use in restaurants between kitchen and dining rooms. In such installations, all the noises incidental to shouted orders are eliminated, and efficiency is greatly increased. Other suggested applications for the system include installations between office and stock room, between sales counter and change booth, etc. A push-button is provided at the receiving end to signal "OK".

The system comprises the following components: one Lafayette 5-watt amplifier model 244-A (described on page 41), one special phone box with built-in Piezo-Astatic crystal mike. Box has "push-to-talk" switch and green "OK" and red "IN USE" signals, 25 ft. of mike cable and plug furnished; one special 8" dynamic speaker with 25 ft. of cable, and one dry cell for pilot lights. Speaker is housed in a metal case that is dust and dirt-proof. All tubes included; system is listed ready for instant operation. Easy to install.

The system is regularly furnished for operation on 110 volts, 50-60 cycles a.c. Systems for operation on 220-240 volts, 50-60 cycles a.c. can be supplied on special order. Prices on request.

Model $97 - Lafayette "Kitchen-Kall" System. Consists of model 244-A amplifier complete with tube cover, phone box with built-in crystal mike, 8" dynamic speaker in metal box, 25 ft. of speaker cable and plug and 25 ft. of speaker cable. For 110 volts, 50-60 cycles a.c. Shpg., wt. 22 lbs. Code $84.95 (% 8.5). Suitable forurches, catering, etc. The picture below shows one of the several Lafayette "Kitchen-Kall" systems used in the well-known Child's restaurants in New York City.

The Lafayette Outdoor Call System

The Lafayette system pictured at the left is designed for outdoor installations where only moderate power output is necessary, but where quality must be excellent. It is particularly well suited for use in railroad yards, between the loading platform and the office; in lumber yards, between stock racks and office; in fair-ground concessions for "exploding" and many others.

The equipment selected to make up the system includes one Lafayette 5-watt, high-gain amplifier model 244-A (fully described on page 3), equipped with a special matching transformer and a screen, one Universal velocity microphone (1328) mounted on a 1342 desk stand and provided with 25 ft. of cable, and one Wright DeCoste (1898) combination dynamic speaker and weather-proof trumpet, equipped with 25 ft. of rubber-covered cable and a plug. Tone quality is the finest possible. The speaker and trumpet combination is a Wright DeCoste model 2050 unit. It consists of a specially designed 6" dynamic cone unit mounted in a totally enclosed trumpet that is constructed of weather-proof material. The trumpet is 27¾" long, and has a bell opening 23¾" x 14". Overall finish in attractive silver.

The microphone supplied is the Universal Velocity Microphone (Y13638), (see page 39), and it affords high-fidelity reproduction. It is furnished with 25 ft. of heavy-duty rubber-covered cable, and a plug connecting to the input jack on the panel of the amplifier. Mike is mounted on a gummetal-plated desk stand (1342, listed on page 41). All controls are operated from front panel of the amplifier; two low-gain channels are available which can be used for phone pick-up reproduction to attract customers to a show, display, etc., for additional high-level microphones (for example: discharge crystal type).

Model $98 - P - Lafayette Outdoor Call System. Consists of Lafayette 5-watt amplifier model 244-A, with screen and output transformer. Universal velocity mike Y13638, desk stand Y13442. 25 ft. of Mod. 1342 cable plug and 25 ft. of speaker cable. For 110 volts, 50-60 cycles a.c. Shpg. wt. 40 lbs. Code SCARE. $92.50 List Price

Suitable for use in salt mines, chemical and agricultural plants, large houses, etc. Also can be used for hotel and country club golf courses. System supplied complete with all necessary equipment and can be supplied to meet individual requirements. Prices on request.
ATTACHABLE Casing

Both amplifier and speaker are housed within a single carrying case measuring only 13" by 9" by 11/4" high. The case is finished in the new "airplane" cloth in light tan with dark brown striping. The leather grip is done in the modern manner, and the four snap locks are heavily plated. Construction is reinforced so as to withstand day-in and day-out use over a long period of time.

Microphone Combination

Model 404-P—Especially put up to match the above system. Consists of a model D-104 Acoustic Crystal microphone (described on page 39) and a No. 13528 floor stand, with 25 feet of rubber-covered cable equipped with plug. Code 3-4114 is 14 lbs. List Price $38.20

Further listings are on pages 39, 40, 41.
THERE is no amplifier available today to compare with the Lafayette 15-Watt Standard Amplifier in dollar-for-dollar results. Here is an amplifier and a complete system that meet the price requirements of the most cost-wary purchaser, and yet meet the power and quality requirements of the most critical.

All components conform with standard Lafayette quality, both in design and quality. The phenomenally low cost of this amplifier is made possible by eliminating only the trimmings which are not absolutely essential. Finish and workmanship are of the finest.

15 USABLE WATTS OUTPUT—20-WATTS PEAK

Its maximum output of 15 watts into a 500-ohm line provides ample coverage for average requirements. Harmonic content at this output is 9%, well within acoustical tolerance, and, with a hum level of minus 45 db below 15-watts, reproduction is brilliant and life-like. Lowest bass and highest treble are faithfully reproduced.

AMPLE GAIN FOR CRYSTAL AND VELOCITY MIKES

It incorporates features found only in more expensive amplifiers: an exceptional gain of 140.2 db (at 5 megohms) permits the use of crystal, velocity or sound-cell microphone with no additional apparatus. In addition to the high-gain input channel, two low-gain inputs are furnished for high-level devices such as carbon mikes, phone pick-ups and electric guitars—a total of three inputs.

USES DUAL-INPUT FADER AND PARALLEL MIXING

A separate volume control is provided for the high-gain channel and a dual-input fader for the two low-gain input channels, thus offering parallel mixing of the high-gain and either one of the low-gain inputs or fading from one low-gain channel to the other while the volume of the high-gain input is being varied. At no point is there any apparent frequency discrimination—the output of mike or phone pickup is unaltered in mixing.

FURNISHES FIELD SUPPLY OF 16-WATTS

The field supply of 16-watts can be used for one 10,000-ohm field or divided between two 5,000-ohm fields consuming 8-watts each. A plug-in output receptacle simplifies speaker connections.

TECHNICAL CHARACTERISTICS

| Peak Output | 20 watts |
| Harmonic content (at 15-watts) | 9% |
| Hum level (below 15-watts) | -45 db |

GAIN OF HIGH-GAIN CHANNEL

At 5-megohm input impedance | 140.2 db |
At 150,000-ohm input impedance | 125 db |

GAIN OF LOW-GAIN CHANNELS

At 500,000-ohm input impedance | 95.2 db |
At 150,000-ohm input impedance | 90 db |

*Highest value of present-day input devices.

The above curve is a graphic illustration of the high-fidelity characteristics of the Lafayette 15-Watt Amplifier. This curve was plotted under actual load conditions.

Its frequency response ranges from 50 to 10,000 cycles within 2 db, thus assuring high-fidelity results when used with suitable associate apparatus. This excellent response, coupled with its output rating of 15-watts, makes the 129-4 amplifier an ideal unit for the majority of installations where these factors are essential.

PROVIDES VARIABLE OUTPUT IMPEDANCES

Maximum efficiency from the loud speakers is obtained with the aid of an oversized output transformer which offers output impedances to match any speaker installation. The following outputs are available through a novel arrangement of tip-jacks: 35/6/1.35/2/4/6/8/15/50/250/500 ohms.

MOUNTED ON SPOT-WELDED STEEL CHASSIS

The complete unit is assembled on a heavy-gauge steel chassis which is finished in attractive rubber-black. A bottom plate affords complete electrical and mechanical shielding. Overall dimensions are 6½” by 17½” by 8” high. The overall design is such as to permit rack-panel mounting if desired. Additional features include: a protective fuse in the a.c. line, plug-in output and input connections, handsomely etched dial plates and a 6-foot rubber-covered improved cord and plug.

Model 129-A—Lafayette 15-Watt Standard Amplifier only, with output transformer, but no tubes. For 110-volt, 50-60-cycle a.c. operation. Code, ALBAN. Shpg. wt. 28 lbs.

List Price $39.90

Bit of tubes: 1-SC6, 1-SC6, 1-76, 2-685’s, 1-68

List Price $8.93

A COMPLETE SYSTEM—USED WITH ANY TYPE MICROPHONE

System No. 539-P—Consists of the amplifier described above with tubes, two Lafayette P.A. special d.c. 5000-ohm speakers, two No. 1938 flare baffles (see page 44), but less microphone. Code, SEB6. Shpg. wt. 65 lbs.

List Price $86.60

Either amplifier or system is available for 220-, 240- or 250-volt, 50-60-cycle a.c. operation at slight additional cost.

MICROPHONE COMBINATION

Microphone Combination No. 440-P

—Consists of Universal Velocity microphone (described on page 38) a No. 13528 floor stand, 25 ft. of rubber-covered cable, and a plug. Code, SWA4.

List Price $38.20

The above microphone combination is merely a suggestion and does not indicate that no other can be used. A complete listing of many other suitable microphones and their stands and accessories is found on pages 39, 40 and 41 in this catalog.

PAGE 4
THE amplifier used with the system (fully and cables are contained in a single portable carrying case correctly proportioned for easy carrying by one person.

### POWERFUL HIGH-GAIN AMPLIFIER

The amplifier used with the system (fully described on page 4) makes use of six high-gain tubes including 1-6C6, 1-8A6, 1-76, 2-885's and 1-83-V rectifier. A power output of 15 watts is provided: more than sufficient for most applications. Frequency response covers a wide range without appreciable discrimination. Harmonic content and hum level characteristics are exceptionally good.

### THREE INPUT CHANNELS

A total of three input channels is provided. One is a high-gain channel designed to be used with a high-fidelity velocity or sound-cell type microphone: the other two channels are low-gain channels designed for use with phonograph pick-ups, electric guitars and other similar relatively high-output devices. A built-in pre-amplifier provides a stage of amplification on the high-gain channel for microphone input.

### MIXING FACILITIES INCLUDED

A built-in mixer is included in the circuit in such a manner that reproduction from a high-gain and either of the low-gain channels can be mixed together or faded from one to the other at will. Thus, microphone reproduction and phone recordings can be mixed and faded to produce many novel and entertaining effects. All controls are smooth and noiseless in operation.

### TWO DYNAMIC SPEAKERS

Two special d.c. dynamic speakers are furnished with the system. These speakers handle the full output of the amplifier, and are capable of reproducing the entire audible range of frequencies with good fidelity. The speakers are connected in series, and each is equipped with 25 feet of heavy duty rubber covered cable. One speaker can be placed up to 55 ft. from the amplifier, the other up to 50 ft. from the amplifier. Additional cable can be added if desired. The two halves of the carrying case act as efficient baffles for the speakers. Full field excitation is furnished from the amplifier, so that maximum sensitivity and power is maintained under all operating conditions.

### PROTECTIVE LINE FUSE

A protective line fuse is wired in the input circuit to prevent burnouts and break-downs due to excessive line voltages or improper connections. The fuse is easily accessible, and can be replaced whenever necessary in a few moments without the need for tools.

### EASY TO OPERATE

The entire system can be set up or taken down in a few minutes. Microphone connects to a jack on the panel; speaker plugs into a socket on the panel. Amplifier slides into case easily. Cable hooks built into case.

### MODERNISTIC CARRYING CASE

The case is designed in the modern luggage manner, and presents an extremely neat and handsome appearance. Case is covered with durable “airplane luggage” weatherproof leatherette with red and black lines in pleasing design. Speaker openings are covered with metal grilles finished in aluminum lacquer; grilles protect speaker cones.

### SYSTEM EASILY PORTABLE

The entire system—amplifier, speakers and cables—is housed in a single case measuring only 17" high, 17" long and 7" wide, and weighing only 36 pounds. It can easily be carried from place to place by means of the sturdy carrying handle on top of the case.

### AVAILABLE FOR 220-240-250 VOLS

The model 579-P system is regularly supplied for operation on 110 volts, 50-60 cycles a.c. System for use on 220-240-250 volts, 50-60 cycles a.c. can be supplied on special order. Full details and price information furnished upon written request.

### Model 579-P—System consists of Lafayette 15-watt amplifier, two high-quality dynamic speakers with extension cables. Mounted in attractive “airplane” type luggage case 17" long, 17" high, 7" wide. Less tubes and microphone equipment. For operation on 110 volts, 50-60 cycles a.c. Shpg. wt. 48 lb. List Price $79.00

### Mike Combination No. 603-P—Consists of Lafayette Velocity mike YN13572, floor stand YM13528 and 25 ft. of cable. Shpg. wt. 22 lb. Code SWivor $64.88

### Mike Combination No. 608-P—Consists of Universal Velocity mike YN13638, floor stand YM13528 and 25 ft. of cable. Shpg. wt. 22 lb. Code SWIVER $88.88

### Mike Combination No. 602-P—Consists of Brush Sound Cell mike YN13625, floor stand YM13528 and 25 ft. of cable. Shpg. wt. 14 lbs. Code SWOMA $60.70

### Mike Combination No. 609-P—Consists of Brush Sound Cell mike YN13625, floor stand YM13528 and 25 ft. of cable. Shpg. wt. 14 lbs. Code SWOMA $60.70

### EXTRA EXTENSION CABLES FOR DYNAMIC SPEAKERS

Extra extension cables for dynamic speakers. Heavy rubber covered cables, with rubber covered plug and socket. Two sizes:

- YQ13635 50 foot cable. List Price $7.96
- YQ13635 50 foot cable. List Price $11.96
AGAIN Lafayette scores! Always in the fore in developing new and improved products, Lafayette engineers have designed an amplifier which uses all-metal tubes EXCLUSIVELY, and which for power, quality, flexibility and cost, stands head and shoulders above anything in its class.

EMPLOYS SIX NEW ALL-METAL TUBES

The tubes used are not to be confused with the so-called “glass-metal” type. Every tube in this amplifier is of ALL-METAL construction. Six of the latest multi-purpose type are employed: a 6FT, a 6L7, a 6C5, 2-6F6’s and a 524 rectifier.

24 WATTS PEAK—OVERALL GAIN 141.2 DB

No external amplification is required with this unit because of its exceptional gain of 141.2 db (at 5-megohm input impedance). With a power output of 15-watts, the harmonic content is only 5%. At 18-watts it is 9%—well within tolerance for average work. The hum level is extraordinarily low-minus 43 db below 15-watts.

ELECTRONIC MIXING WITH PRE-AMPLIFICATION

Users of velocity, crystal or sound-cell microphones who realize their need for nothing short of the finest technical performance, will find this amplifier ideally designed for use with these excellent input devices. A studio-type Electronic mixer, the most advanced circuit in the field, insures flawless control of any combination of inputs. Volume can be controlled while the amplifier is in use, with an exceedingly fine degree of variation and absolute lack of noise. All controls governed from amplifier panel.

HAS FOUR INPUT CHANNELS—1 HIGH-GAIN, AND 3 LOW-GAIN

Sufficient inputs are provided to care for the average stage, orchestra or auditorium set-up. A high-gain channel using a stage of pre-amplification is provided for low-level, high-fidelity microphones, and three low-gain channels for high-level units such as carbon microphones, phonograph pick-ups and electric guitars. The input impedance of the high-gain stage is 5-megohms, thus permitting direct connection of crystal, velocity or sound cell microphones. The low-gain channels have an input impedance of 500,000 ohms. Connections are made to terminal strips on panel.

FADEERS ON ALL INPUT CHANNELS

Two “dual-input” fading controls are features found almost indispensable by stage and orchestra for sound-effects, off-stage control and special orchestrations. Lecturers find it ideal for more effective control when changing from record reproduction to voice, or vice versa. In all cases, fadeers present a method of controlling change-overs, with no equal in any other system.

However, it remained for Lafayette engineers to develop multi-channel fading to the high degree of efficiency found in Lafayette amplifiers. The fading system in this amplifier permits simultaneous fading of a high and a low-gain input and two low-gain Inputs. A valuable feature for stage and orchestra.

HIGH-FIDELITY RESPONSE—50 TO 10,000 CYCLES

Frequency response is exceptional—50 to 10,000 cycles within 3.2 db. The curve shown above illustrates this graphically, and was plotted under ACTUAL LOAD conditions.

WIDE-RANGE TONE CONTROL is an additional feature to permit high-frequency attenuation so as to make the lows predominate, or to overcome feed-back difficulties.

PROVIDES 16 WATTS FIELD EXCITATION

A considerable saving in field exciting apparatus is had because of the availability of this energy at the amplifier: 16 watts is provided for 10,000 ohms. This permits the use of two 5000-ohm fields at 8 watts each. Two 8-prong sockets are mounted on rear of chassis to facilitate connection of the speakers for quick plug-in.

OUTPUT IMPEDANCES FOR ALL INSTALLATIONS

By means of an exclusive Lafayette development, four double-tip jacks mounted on the chassis front provide the following output impedances: 55/8/1/35/2/48/8/15/50/250/500 ohms. Full efficiency from any arrangement of the loud speakers is obtainable simply and quickly.

EASILY INSTALLED AND OPERATED

All connections and controls are so designed as to allow anyone to operate this amplifier. Simplicity is its keynote. Engineering knowledge is not essential. All one has to do is to follow the instructions, exercise some everyday common-sense and the amplifier will do the rest.

MOUNTED ON HEAVY- GAUGE STEEL CHASSIS

The entire assembly is mounted on a sturdy steel chassis finished in attractive rubber-black. Dials and plates are aluminum etched. Complete shielding and protection is assured by the use of a chassis bottom plate. Overall dimensions: 18½” long, 7½” high, 7½” deep. These measurements permit rack-panel mounting.

Model 656-A—Lafayette 15-Watt All-Metal Tube Amplifier, lesstubes and screen, but with output transformer, for 110 volts, 50/60-cycle a.c. operation. Code AMPON.

Shpg. wt. 55 lbs. List Price $149.90

Kit of tubes: 2-6F6’s, 1-6L7, 1-6C5

Shpg. wt. 3 lbs. List Price $9,20

Available for 220, 240 or 250 volts, 50/60-cycle a.c. operation on order at slight additional cost.

PAGE 6
DE LUXE
ALL METAL TUBE AMPLIFIER

A COMPLETE SYSTEM INCORPORATING THE
15-WATT ALL-METAL TUBE AMPLIFIER

HERE is a system that is scientifically grouped to realize to the fullest extent the power and quality of the 15-watt all-metal tube amplifier described on the preceding page. It is admirably suited for use in auditoriums, churches, dance-halls, small theatres, taverns, and for temporary outdoor use (for permanent installations use weatherproof baffles as listed on page 44) at rallies and athletic fields of average size.

PERMITS CHOICE OF MICROPHONE

The system is complete but for the microphone and its accessories. This omission is made because of the average user's desire to choose his own input device. To assist him in making this choice, four excellent high-fidelity microphones are illustrated below and listed in the price box at the bottom of this page.

TWO POWERFUL 12" P.A. SPECIAL DYNAMICS

Two exceptionally fine electro-dynamic speakers offer a perfect match with the amplifier. They are capable of unusually wide frequency response and are designed to carry heavy loads continuously with a faithfulness of reproduction that will satisfy the most critical. Due to the fact that the amplifier supplies the field energy for the speakers, the additional cost of installation of field-exciting apparatus is dispensed with. Each speaker field has a resistance of 5,000 ohms; this value is chosen so as to obtain a proper match with the field supply.

Below are illustrated the special P.A. speakers described above, with their "demountable" flare baffles.

A Lafayette
High-Fidelity System

The microphones illustrated above are, from right to left, the Pico-Astatic crystal, the Brush 625 crystal sound cell, the Lafayette P.A. velocity and the Universal velocity. All are representative of the most modern developments as regards their electrical and physical characteristics.

In conjunction with their high-fidelity response, the two powerful 12-inch all-metal tube amplifiers and the Lafayette Special P.A. loud speakers go to make up a system capable of an incomparable quality of reproduction, with power and sensitivity to satisfy the most critical.

HANDLE MORE THAN 2 SPEAKERS

Although only two loud speakers are supplied with this system, more can be used if the installation is better served with an increased number of reproducers. It is possible to use four speakers, each handling four watts, and so forth.

AVAILABLE FOR HIGHER A.C. VOLTAGES

The complete system is also available for 220-, 240- or 250-volt 50/60-cycle a.c. operation on special order at a slight additional cost. It is always a good idea to investigate the available current source as to voltage and frequency before ordering any apparatus which operates from utility outlets.

PHONOGRAPH RECORD REPRODUCTION

Suitable record reproduction equipment for use with this system is listed on pages 46 and 47 of this catalog. Three low-gain input changewhiters are provided for this type of input device.

The flare baffles furnished with this system are of the "knock-down" type—a feature which makes for initial economy. However, they can be assembled in a few moments with nothing more than a pocket wrench or a small pair of pliers. Each baffle is fastened together with offset spade bolts and when assembled forms a highly efficient, sturdy unit that can withstand plenty of hard usage. The finish is attractive aluminum paint and assembled dimensions are 14" deep, ball opening 20 by 18".

If you are on the market for an amplifier of this power rating, bear in mind that the associate apparatus shown on this page are merely suggestions on our part. Sufficiently extensive lists of loud speakers, baffles and microphones are offered in this catalog to permit a wide choice to suit any condition and fit any cost requirements. However, it is important to note that to get the most out of a high-fidelity amplifier, it is essential that its associate apparatus (microphones and speakers) be capable of matching it in quality.

System No. 597-P—Consists of the Lafayette 15-watt all-metal tube amplifier, described on preceding page, complete with tubes and screen, two No. 1938 demountable flare baffles (described on page 44) and two Lafayette Special 12" P.A. d.c. speakers. No. 19234 (described on page 43). For 110-volt, 50/60-cycle a.c. operation. Shipping weight 75 pounds. Code SARIS. List Price $99.65

Microphone Combination No. 805-P
—Consists of one Universal velocity microphone (described on page 39), one No. 15328 floor stand and 25 feet of rubber-covered cable with plug. Shpg. wt. 22 lbs. Code SWARE. List Price $36.20

Microphone Combination No. 803-P
—Consists of one Brush model 625 crystal sound cell (described on page 30), one No. 15328 floor stand and 25 feet of rubber-covered cable with plug. Shpg. wt. 14 lbs. Code SWOMA. List Price $60.70

Microphone Combination No. 802-P
—Consists of one Lafayette P.A. velocity microphone (described on page 38), one No. 15328 floor stand and 25 feet of rubber-covered cable with plug. Shpg. wt. 22 pounds. Code SWIVY. List Price $54.88

Microphone Combination No. 801-P
—Consists of one Pico-Astatic model D-104 crystal microphone (described on page 41), one No. 13528 floor stand and 25 feet of rubber-covered cable with plug. Shpg. wt. 14 lbs. Code SWIRA. List Price $38.20

Complete listings of all types of microphones, stands and accessories are found on pages 39, 40 and 41 of this catalog.

One of the better-known "night-spots" in New York City—the famous Green Room in the Hotel Edison. A Lafayette High-Fidelity System is part of its regular equipment.
This new Lafayette amplifier is especially designed for installations where wide-range, high-quality performance, plus fairly high power output, is required. Many distinctive circuit features incorporated in its construction make it an outstanding value. It is admirably suited for use in small theatres, dance halls, night clubs and restaurants, since it furnishes ample power to override the incidental room noises encountered in such installations. When used in conjunction with high-quality speakers and microphones, a truly high-fidelity public address system can be assembled. It is Lafayette custom-built throughout.

**POWERFUL FIVE-STAGE HIGH-GAIN CIRCUIT**

The amplifier makes use of seven modern type high-gain tubes as follows: 2-75's as pre-amplifiers; 1-6A5 as mixer amplifier; 2-6135's as phase inverters; 2-685's in a push-pull output stage; 1-83 rectifier. Power output into a 500-ohm line, with only 9% harmonic content, is 18 watts; hum level is -45 db below this output. The frequency response, as shown by the curve above, is within 2 db from 40 to 10,000 c.p.s.

**4 INPUT CHANNELS — 2 HIGH-GAIN, 2 LOW-GAIN**

A total of four input channels is provided, two being high-gain and two low-gain. The high-gain channels for use with microphone input; the low-gain channels for use with electric guitars, phonograph pick-ups, etc. A built-in, two-position noiseless electronic mixerpermits the mixing of two input devices.

**TWO DUAL-INPUT FADE CONTROLS**

Important among the many circuit features is the inclusion of two dual-input fader controls. Each one of these faders controls one high- and one low-gain channel, so that reproduction from two high-gain channels, from a high- and a low-gain channel, or from two low-gain channels, can be mixed together or faded from one to the other smoothly and noiselessly.

**VELOCITY OR SOUND-CELL MICROPHONE INPUT**

Sufficient gain is provided on the high-gain channels for the direct use of velocity or sound-cell type microphones (see gain ratings in technical specifications). Two mikes can be used simultaneously and reproduction from them can be mixed or faded from one to the other, to obtain novel or unusual results.

**ADDITIONAL CIRCUIT FEATURES**

Features in addition to those described above include: a full range tone control for limiting high-frequency response and to help eliminate feed-back; plug and socket connections on rear of amplifier for two a.c. dynamic speakers; fused power line.

**AVAILABLE FOR 220-240-250 Y., 50-60 CYCLES A.C.**

The model 177-A amplifier is regularly designed for operation on 110 volts, 50-60 cycles a.c. Amplifiers for operation on 220-240-250 volts, 50-60 cycles a.c. can be supplied on special order, at a slight additional cost. Details on request.

**Model 177-A Lafayette 18-Watt Deluxe Amplifier, less tubes and metal screen cover. Dimensions: 8½ x 15½ x 9½" high.** For operation on 110 volts, 50-60 cycles a.c. Shp. wt. 37 lbs.

List Price $56.70

**TECHNICAL SPECIFICATIONS**

- **Peak Output**: 23 watts
- **Max. Output into 500 ohms**: 18 watts at 5% 15 watts
- **Hum Level**: -47 db below 18 watts output
- **Power Consumption**: 110 watts
- **Output Impedance**: 35/6/1.35/2/4/6/8/15/50/250/500 ohms

**Amplification**

- **High-Gain Channels**
  - at 5 megohms 134.2 db at 150,000 ohms* 119 db
  - at 50,000 ohms 91.2 db
- **Low-Gain Channels**
  - at 500,000 ohms* 86 db
  - *Highest impedance of average input device.

**List Price** $56.70

**Kit of tubes for above**: 2-75's, 2-6A6's, 2-685's, 1-83.

List Price $9.87
THE model 542-P system is a wide-range, high-quality and high-power assembly built around the model 177-A amplifier illustrated and described on the preceding page. The accessories included to make up the system comprise two 40" 12" high-fidelity a.c. dynamic speakers that incorporate their own field supply, and two directional flare baffles described on page 44 (TY1938). The speakers are capable, between them, of carrying the entire output of 18-watts, and reproduce the entire audible range with true high-fidelity. The flare baffles are designed to project the sound in a definite direction to obtain maximum desirable coverage. Baffles are shipped knocked-down, but can be assembled in a few minutes using only a screwdriver.

Because of its relatively high output—18-watts into a 500-ohm line—the system has many uses in the P.A. field. It is ideally suited for installations in dance halls, small theatres, restaurants, auction rooms, etc., and can easily be made adaptable for outdoor use in beer gardens and similar places by simply substituting weatherproof trumpets (as listed on page 42) for the flared baffles regularly supplied. In using the system, speakers can be placed any distance from the amplifier, due to the use of a 500-ohm transmission line (practically no line losses). Long-lived, trouble-free operation is assured by the use of only the finest materials—all components are designed to provide ample safety factor under normal use.

The amplifier used with the system provides a total of four input channels (see full description on page 9). Two of these are high-gain channels permitting direct operation with sound-cell or velocity type microphones such as those illustrated at the left. Two micros can be used simultaneously, and reproduction can be mixed together or faded from one to the other by means of the dual-input fader controls incorporated in the circuit. The two low-gain channels can be used for phonograph pick-ups, electric guitars, and other similar devices. The dual-tube channel is so arranged that reproduction from one microphone and one low-gain input, or two low-gain inputs, or from two micros, can be mixed together or faded from one to the other. All controls are mounted on the amplifier panel and are clearly marked. Connections can be quickly made to the binding post and jack terminals. Full instructions are furnished.

The above system is regularly supplied for operation on 110 volts, 50-60 cycles a.c. Systems for operation on 220-240-250 volts, 50-60 cycles a.c. can be supplied on special order. Full details and price information furnished on request.

MULTI-PURPOSE STUDIO AMPLIFIER

This deluxe amplifier, using essentially the same circuit as the model 177-A amplifier, has been especially designed for installations where near performance plus extreme flexibility of operation are required. With this thought in mind, a special full standard size rack panel was designed to provide a "studio" effect. The panel is for standard 19" rack mounting, is constructed in one piece, and is finished in contrasting silver matte and rubber-black. All dial markings are etched in black directly on the panel.

Several circuit features, in addition to those described for the 177-A amplifier on page 8, have been included. These are:

- TWO TONE CONTROLS, one in each of the high-gain microphone channels, allowing individual response control of reproduction from micros, etc.; FIELD SUPPLY for two 2500-ohm or four 500-ohm dynamic speakers (35 watts), MASTER GAIN CONTROL for controlling overall audio gain; PLATE MILLIAMETER mounted on panel indicates condition of output tubes, in all.

there are five controls: two tone controls, two dual-input fader controls, and one master gain control.

Model 179-A—Lafayette 18-Watt DeLuxe Multi-Purpose Studio amplifier with panel for standard rack mounting. Less tubes and cabinet. For 110 volts, 50-60 cycles a.c. Shpg. wt. 45 lbs. Code AMROR $85.00

Kit of tubes for above. 2-73/4's. $9.87
2-6A6's. 2-655's. $1-83. List Price
Metal cabinet for above amplifier. Black crystaline finish. Has door in top, high.12" deep. Shpg. wt. 22 lbs. $10.90

TY22003—List Price

System No. 545-P—Consists of model 179-A amplifier complete with all tubes but less cabinet. Two 40" 12" high-fidelity dynamic speakers TY1941, and two TY1938 flare baffles. For 110 volts, 50-60 cycles a.c. Shpg. wt. 40 lbs. Code SOROS. List Price $160.67
THE up-to-the-minute amplifier employs seven all-metal tubes (2-6C5's, 2-6L6's) in a circuit so modern that it is the first amplifier of its type available.

**AMPLIFIER FOR CRYSTAL AND VELOCITY MIKES**

A power of 25 usable watts is realized into a 500-ohm line, with a peak rating of 35 watts, and quality reproduction hits a new high with a harmonic content of only 5% at the working output. An overall gain of 135.8 dB (at 5-megohm input impedance) offers a sensitivity reserve for any type of microphone now used.

**4 INPUT CHANNELS—**

2 **HIGH GAIN**, 2 **LOW GAIN**

In addition to the Electronic mixer in which one high-gain and one low-gain or two low- or two high-gain channels are flawlessly mixed, two dual-input faders are provided. These controls permit the fader of a high-gain channel and a low-gain input, thus giving many novel and dramatic effects for stage and orchestra. A constantly variable tone control adds further to the tonal flexibility.

**VARIABLE OUTPUT IMPEDANCES**

An over-sized output transformer offers the following output impedances: 35/65/135/240/350/450/600 ohms. These outputs permit correct matching of various speaker line impedances to the amplifier.

The frequency response is unusually good and easily comes within the high-fidelity classification; it is conservatively rated at 50 to 12,000 cycles within 3 dB.

**SIMPLE TO INSTALL**

The entire amplifier is designed so as to facilitate and simplify installation. It can be operated by anyone. Two 6-prong snap-in sockets on the rear of the chassis are provided for quick and easy connection of the loud speakers; each socket also supplies 110 volts A.C. for each speaker. All input terminals are shielded and the output terminals are in the form of convenient tip-jacks.

**ACCESSIBLE FUSE FOR SAFETY**

A line fuse, mounted right on the chassis where it can be changed in a jiffy, is for protection against overloads. The chassis is spot-welded heavy-gauge steel, finished in rubber-black and measures 7 x 11 x 2/4" high. It can be mounted on a rack-panel if the user so desires.

Model 255-B—Lafayette 25-watt metal tube amplifier, less tubes and protective screen. For 110 volts, 50/60-cycle A.C. operation. Code AGROS. Shpg. wt. 12 Ibs. List Price $69.00

Available for 220-240- or 250-volt 50/60 cycle a.c. operation on special order at a slight additional cost. Write for details.

**TECHNICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>MODEL, S 255AB AMPLIFIER</th>
<th>FREQUENCY</th>
<th>CYCLES PER SECOND</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50</td>
<td>100</td>
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<tr>
<td></td>
<td>350</td>
<td>500</td>
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<td>1,000</td>
<td>5,000</td>
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<td></td>
<td>10,000</td>
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</tbody>
</table>

Lafayette leads again! The new all-metal tubes, type 6L6, which makes use of the `beam' type electronic stream, has been incorporated in this new 25-watt all-metal tube amplifier—the first available amplifier to make use of this remarkable new development. Designed to serve as a power output tube, it concentrates the cathode emission into electronic "beams" which result in greater output, less harmonic distortion, and higher efficiency, than previously obtained.

**PROTECTIVE STEEL SCREEN TO FIT THE 25-WATT AMPLIFIER**

Model 255-DF—The protective screen is illustrated above as it appears when mounted on the amplifier. It is constructed of rigid, spot-welded steel and offers complete protection for the tubes and components that are mounted on the chassis, as well as enhancing the appearance of the amplifier. Ships on or off quickly and easily. Shpg. wt. 5 lbs. List Price $2.95

The photo at left is a view of the dining room in the Bronx Elks Club building in New York City. This spacious room also serves as a ball-room for functions, as well as a banquet hall. A Lafayette High-Fidelity System, which is part of this room’s equipment, assures ample coverage with brilliant reproduction.
All-Metal Tube AMPLIFIER with ELECTRONIC MIXER

IN order to realize to the utmost the efficiency, power and high-fidelity characteristics of the 25-watt all-metal tube amplifier described on the preceding page, Lafayette engineers have assembled a complete system which is capable of excellent acoustical coverage and wide-range response.

IDEAL FOR INDOOR AND OUTDOOR USE

The system is admirably suited for indoor use in auditoriums, church halls, dining rooms, taverns, etc., and temporary outdoor use for political demonstrations, athletic fields and fairs. (Suitable baffles for permanent outdoor application, where complete weather-proofing is essential, can be found on pages 42 and 44.)

CHOICE OF MICROPHONE

It will be noticed that no microphone is included in the system. This is due to the fact that the particular purpose for which the system is to be used will govern the choice of microphone, as regards sensitivity, directiveness, physical dimensions, etc. This system is assembled so as to allow this leeway.

Three suggested units are illustrated in the upper right-hand corner of this page: they are respectively the model D-104 Piezo-Astatic Crystal microphone, the Brush B2S Sound Cell and the Lafayette Velocity microphone. Prices of these units, sold as convenient combinations which include an attractive chromium-finished floor stand and necessary cable, are listed below. Additional microphones and accessories are listed on pages 39, 40 and 41.

INCLUDES 4 POWERFUL 12" SPEAKERS

Regardless of the costliness and efficiency of an amplifier, it is no better than the loud speakers into which it feeds. With the full realization of this important fact, Lafayette engineers have carefully chosen the reproducer so as to maintain the quality capabilities of the amplifier throughout the entire system. These units are illustrated below and constitute an admirable match for the amplifier as regards power-handling capacity and fidelity of reproduction.

Each loud speaker is a Lafayette Special P.A. dynamic reproducer with a full 12" cone and a built-in hum-free rectifier employing a 2S5 tube. It is designed to operate from 110/120-volts, 50/60-cycles a.c.

WIDE-RANGE RESPONSE

Frequency response is excellent—the entire audio spectrum is covered to suit the most fastidious musical ear. Power-handling capacity is more than ample to permit safe handling of considerable power input when necessary to over-ride high noise levels.

INCLUDES 4 WIDE-FLARE BAFFLES

Illustrated at the right are the four baffles which are included in the system. They are of the "knock-down" type and can be assembled in a few moments with nothing but one or two pocket tools.

NON-RESONANT CONSTRUCTION

When completely assembled, each baffle measures 16" deep with a bell opening 30" by 18"—a total mouth area of 540 square inches. The type of assembly and the material used insure absolute freedom from resonance effects and distortion-producing eddies in the channel of the baffle.

SUITABLE FOR USE EVERYWHERE

This type of baffle can be used practically for any type of installation either indoors or temporarily outdoors. It has excellent directional characteristics without undue emphasis and is sturdy enough to withstand more than normal everyday use.

It should be noted that this system is not limited to four loud speakers. When required, six speakers, each having a capacity of four watts, can be used, or if three watts is sufficient eight speakers can be used, etc.

Complete listings of all types of speakers, baffles and harness to fit all requirements and budgets are found on pages 42, 43 and 44 of this catalog. Sufficient technical information is given with each unit to permit decision as to the number that can be used.

PRICES OF THE 25-WATT COMPLETE SYSTEM AND MICROPHONE COMBINATIONS

System No. 559-P—Consists of the Model 559-A Lafayette 25-watt all-metal tube amplifier complete with all tubes and protective screen, four Lafayette Special P.A. a.c. speakers YW19240 and four flare baffles, Y11938. For 110-volt, 50/60-cycle a.c. operation. Shpg. wt. 125 lbs. Code SPEVO. List Price $178.95

Available for 220, 240 or 250-volt, 50/60-cycle a.c. operation on special order at a slight additional cost. Write for details.

MICROPHONE COMBINATIONS

Microphone Combination No. 602-P—Consists of Universal microphone No. 13572, floor stand No. 13528, 25 feet of high-quality rubber-covered cable and a plug. Shpg. wt. 22 lbs. Code SWARE. List Price $38.20

Microphone Combination No. 603-P—Consists of the Model 610 Brush Sound-Cell microphone No. 13622, No. 13528 floor stand, 25 feet of high-quality rubber-covered cable with end plug. Code SWOMA. Shpg. wt. 15 lbs. List Price $60.70

Microphone Combination No. 605-P—Consists of Lafayette Velocity microphone No. 13572, No. 13528 floor stand, 25 feet of high-quality rubber-covered cable with end plug. Code SWIVO. Shpg. wt. 22 lbs. List Price $54.88

Microphone Combination No. 604-P—Consists of model D-104 Piezo-Astatic Crystal microphone and a No. 13528 floor stand with 25 feet of high-quality rubber-covered cable with plug. Code SWIRA. Shpg. wt. 15 lbs. List Price $38.20

PAGE 11
The excellent response characteristics of the amplifier are graphically shown by the curve at the right. Within 2 db from 50 to 10,000 c.p.s.

THE Lafayette 4-in-1 Amplifier is without doubt one of the finest 4 units of its kind available today. By utilizing the experience gained from years of practical amplifier design, Lafayette engineers have made possible the incorporation in this single amplifier of four important functions. These are: built-in electronic mixer; high gain pre-amplifier; high power amplifier; 40-watt speaker hold supply. By adding suitable microphones and speakers, a complete high-power system capable of high-fidelity reproduction can be assembled.

POWERFUL FIVE-STAGE CIRCUIT

The amplifier makes use of ten tubes in a powerful five-stage circuit as follows: 2-2A6's as voltage pre-amplifiers; 1-53 as mixer; 1-53 as voltage amplifier; 1-59 as driver stage; 4-46's in a push-pull parallel output stage and 1-83 mercury vapor rectifier. Output into a 500-ohm line is 38-watts, with only 7% harmonic content. Hum level is -42 db at 38-watts output; frequency response is within 2 db from 50 to 10,000 cycles per second.

FOUR INPUT CHANNELS PROVIDED

A total of four input channels is provided, two being high-gain and two low-gain. A stage of pre-amplification is included in each high-gain channel, so that overall amplification on these channels is ample for direct use of crystal, velocity or sound-cel microphones without additional amplification (see gain ratings in technical characteristics below). Two microphones can be used simultaneously on the high-gain channels, and reproduction can be mixed. Low-gain channels are suited for use with phonograph pick-ups, electric guitars, and other similar types of input devices having a relatively high-output level.

**TECHNICAL CHARACTERISTICS**

- **Inputs:** Four two high-gain and two low-gain.
- **Amplification:** with high-gain channels at 5 megohms 137.2 db at 150,000 ohms 122 db with low-gain channels at 500,000 ohms 91.2 db at 150,000 ohms 86 db.
- **Average drain:** 190 watts.
- **Harmonic Content:** 7%.
- **Hum level:** -42 db.
- **Response:** within 2 db from 50 to 10,000 c.p.s.
- **Peak Output:** 50 watts.
- **Max. Output into 500-ohm line:** 38 watts.

**HARMONIC CONTENT**

- Max. Output into 500-ohm line: 38 watts.
- Harmonic Content: 7%.
- Hum level: -42 db.
- Response: within 2 db from 50 to 10,000 c.p.s.
- Output impedance: 33/6.3/33/2/4/6/8/15/50/250/500 ohms.
- Average drain: 190 watts.

**FULL RANGE TONE CONTROL**

A full range, continuously variable tone control is provided for limiting high frequency response to suit the individual requirements of the installation. This control is also helpful in eliminating difficulties involving feed-back. Control operated from front panel.

**HIGH-QUALITY COMPONENTS USED**

All transformers, filters, resistors and by-pass condensers used in the construction of the amplifier are of the highest quality. Amp safety factor is provided so that trouble-free service is assured. Other circuit features include: plug-in connections for output circuits to simplify installation and to eliminate possibility of errors; output impedances available from .35 to 500 ohms (see technical box below); heavy gauge steel chassis with optional steel screen cover; all connections marked and instructions furnished. Overall finish in rubber-black: size 9½" x 16½" x 9½" high.

Notes: amplifier for use on 110-volts, 50-60 cycles a.c.; Amplifiers for use on 220-240-250-volts, 50-60 cycles a.c. can be supplied on special order. Write for detailed information.

**METAL SCREEN COVER ONLY**


List Price 3.95

**MODEL 255-A**—Lafayette 38-Watt 4-in-1 High Gain Amplifier, less tubes and screen cover. For operation on 110-volts, 50-60 cycles a.c., Dimensions: 9½" x 16½" x 9½" high. Shpg. wt. 90 lbs. Code: ATLAS.

List Price 65.00

**MODEL 255-ST**—Steel screen cover. For models 255-A and 255-SA. Shpg. wt. 6 lbs.

List Price 2.00

**LIST PRICE**


List Price 3.95
COMPLETE 38-WATT SYSTEM

THE Lafayette 38-watt high-gain amplifier system is built around the model 255-A amplifier illustrated and described on page 12. The system is capable of high-quality, high-powered reproduction, and finds many applications in the public address field. The assembly comprises the amplifier, four Rolls 12" high-fidelity speakers and four directional flare baffles. Microphones are not supplied with the system, since any one of several highly efficient types may be used; illustrated at the lower left are three of the types most popular today, including crystal, velocity and sound cell microphones.

MULTI-PURPOSE SYSTEM

The system is powerful and affords fine quality reproduction to necessary for many types of public address installations. One case, typical of the type where from 30 to 40 watts of power is necessary, is shown in the church installation on page 12. In this installation a system similar to the Lafayette 508-P system used was used to great advantage. Dance halls, where the noise level is high, are another example of places where the system will be found satisfactory. Other typical applications that come readily to mind include those in hotels, theatres, dinner clubs, sketing rinks, taverns, school auditoriums, banquest halls, etc. In all of the above, the Lafayette 38-watt system will prove more than satisfactory; its reserve power (50 watts peak), its exceptionally fine response characteristics, and above all, its excellent operating facilities make it the choice of those who desire the finest equipment available.

HIGH-QUALITY SPEAKERS

The dynamic speakers selected for use with the system are Rolls 12" high-fidelity d.c. dynamics. The frequency range of these units covers an extremely wide band of frequencies, so that the overall response of the system is truly high-fidelity in nature. Every note in the audible range, from lowest bass to highest treble, is reproduced faithfully. The speakers receive their field power from the amplifier, and are kept at maximum efficiency at all times, so that power output, including the peaks, is easily handled by the combination of four dynamic speakers. Complete technical characteristics of the Rolls high-fidelity speaker will be found on page 43 of this catalog.

DIRECTIONAL FLARE BAFFLES

In all installations where high power is used (such as that provided by the Lafayette 38-watt system), it is necessary that sound be distributed to greatest advance. For this reason, suitable flare baffles have been furnished. These units act as efficient acoustic baffles, and at the same time confine the sound to a definite direction. Thus, maximum distribution of energy with least waste of power is made possible. The baffles are constructed of non-reflective material and are finished in aluminum lacquer. They are easily attached to the dynamic speakers. If desired, housings for the speakers can be added; see page 44 for listing of housings for the above baffles.

HIGH-QUALITY MICROPHONES

The system affords ample amplification for the direct use of crystal, velocity or sound cell type microphones. These input devices are the most efficient in use today, and contribute greatly to the overall high quality of the complete system. Because of the fact that there are many crystal, sound cell and velocity microphones of different manufacture, all suitable for the system, none have been supplied with the system, illustrated at the lower left are three of the more popular units. These are, from left to right, the Lafayette Velocity mike, the Universal Velocity mike and the Brush Sound Cell mike. Other suitable microphones will be found listed on pages 38 and 40. Microphone and dual-input fading facilities are also provided: see page 12 for full detailed description. Two low gain channels, for use with phonograph pick-ups, electric guitars, etc., are also included in the amplifier.

The system can easily be converted for use in outdoor installations by merely substituting weatherproof trumpets for the flare baffles that are supplied. Suitable trumpets listed on pages 42 and 44.

Systems for operation on 220-240-250 volts, 50-60-cycles a.c. can be supplied on special order; prices on request.

System No. 508-P—Complete Lafayette 38-watt high-gain 4-in-1 amplifier system. Consists of the following units: one Lafayette 38-watt high-gain amplifier model 255A, complete with all tubes and metal enclosure; four Rolls 12" high-fidelity d.c. dynamic speakers TW19245, four directional flare baffles Y19838. No microphone equipment included. For operation on 110 volts, 50-60-cycles a.c. Shpg. wt. 155 lbs. Code SACBA $180.57 List Price

Mike Combination No. 400-P—Consists of Universal Velocity mike YN13638, chrome plated floor stand adjustable from 37" to 67" (YM13528), 25 feet of heavy duty rubber covered cable, and connecting plug. Code SWARE. Shpg.$26.25 List Price

Mike Combination No. 603-P—Consists of Brush Sound Cell mike Model 2BS (YM13623), chrome plated floor stand adjustable from 37" to 67" (YM13528), 25 feet of special heavy duty rubber covered mike cable, and connecting plug. Code SWOMA. Shpg. wt. 15 lbs. $60.70 List Price

Mike Combination No. 603-P—Consists of Lafayette Velocity mike YN13572, chrome plated floor stand adjustable from 37" to 67" (YM13528), 25 feet of special heavy duty rubber covered mike cable and connecting plug. Code SWIVO. Shpg. wt. 22 lbs. $54.88 List Price

Other suitable microphones will be listed on pages 38 and 39.
60 WATT
HIGH-POWER Single Unit AMPLIFIER
with COMPLETE ELECTRONIC MIXING and FADING FACILITIES

The Lafayette 60-Watt amplifier marks a noteworthy step forward in design practice. While, heretofore, amplifiers of this power rating were furnished as two separate units (driver and power stage), Lafayette engineers succeeded in developing a high-power, high-fidelity amplifier which is completely contained on one compact chassis and incorporates an electronic mixer and faders as well.

FULL 60-WATT OUTPUT WITH ONLY 5% HARMONIC CONTENT
The output units, exclusive Lafayette development and employs twelve tubes (2-2A6's, 2-53's, 6-46's, 1-59, 1-83) to put 60 USABLE watts into a 500-ohm line—with the amazingly low harmonic content of 5%. Peak output is 100-watts. The hum level is 45 db below maximum output.

HIGH-FIDELITY RANGE, 50-10,000 CYCLES—GAIN, 141.2 DB
With a frequency response of 50 to 10,000 cycles within 2 db, the quality of its output is truly high-fidelity. Its extremely high gain of 141.2 db (at 5 megohm input impedance) insures perfect results from low level devices such as velocity, sound cell and crystal microphones, without the need of additional apparatus. A total of four input channels are provided. Two are high-gain, high-impedance, thus permitting the simultaneous use of two velocity, crystal or sound cell microphones; the other two are designed to handle high-level devices such as phone-pickups, carbon microphones and electric guitars. A gain of 95.2 db (at 500,000 ohm input impedance) is provided for the convenient operation of these units with maximum efficiency.

INTEGRATES ELECTRONIC MIXING AND FADING
An electronic mixer—the scientific peer of all input systems—in-sures absolutely noiseless and faultless mixing and control of volume. This highly developed circuit is employed in conjunction with two "dual-input" fading controls that simultaneously fade and mix several arrangements of input devices. This feature is of inestimable value to the orchestra and theatre, and has proved itself. Code is a necessary adjunct to modern stage-craft. Wide-range tone-control is included to permit reduction of high-frequency response and to aid in overcoming feed-back difficulties.

HAS VARIABLE OUTPUT IMPEDANCES
Multi-output impedances are provided so as to offer extreme flexibility. Regardless of the type of installation, an output impedance is available so as to permit the loud speakers to be operated at their maximum efficiency. A novel terminal arrangement offers the following impedances: 35/6/1.35/2/4/6/9/15/50/250/500 ohms.

MOUNTED ON HEAVY-GAUGE STEEL CHASSIS
The construction of the amplifier is Lafayette throughout and conforms with the highest standards of the industry. The entire unit is mounted on a sturdy spot-welded steel chassis finished in attractive rubber-black and equipped with a bottom plate so as to afford maximum electrical and mechanical shielding.

CAN BE MOUNTED ON STANDARD RACK PANEL
The overall dimensions of the complete amplifier (less screen) are: 9½" by 16½" by 9½" high. These measurements permit the mounting of the amplifier on a standard rack panel for those who may desire this type of assembly.

Other features include: shielded input terminals, a protective fuse in the a.c. line, two 6-prong sockets on rear of chassis for direct connection of speakers (both furnish 110 volts a.c. controlled by a switch on front of chassis), and a 6-foot approved rubber-covered cord and plug.

Model 290—A Lafayette 60-Watt High-Fidelity Amplifier, less tubes and protective screen. For 110-volt, 50/60-cycle a.c. operation. Code: ALMIA. Shpg. wt. 90 lbs. List Price...

Protective Steel Screen
This screen is sturdily constructed of heavy-gauge steel and offers complete protection, as well as enhancing the appearance of the amplifier. It is finished in rubber-black to match the main unit and slips on or off simply and quickly. Shpg. wt. 6 lbs.

Model 290-DF, List Price...

Never before has an amplifier with this power rating and quality been available as a single compact unit and at such a remarkably low price. Not only have Lafayette engineers succeeded in combining driver and power stages on a single chassis, but they have gone even further than that—an Electronic mixer, pre-amplifier and faders are included! Everything, with the exception of field supply, is included for high-power, high-fidelity amplification. Field supply is omitted for efficiency of installation.

TECHNICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Peak power output</th>
<th>100 watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum output into 500-ohm line</td>
<td>60 watts</td>
</tr>
<tr>
<td>Harmonic content (at 60 watts)</td>
<td>5%</td>
</tr>
<tr>
<td>Hum level (below 60 watts)</td>
<td>42 db</td>
</tr>
</tbody>
</table>

**Gain of High-Gain Channels**

- At 5 megohms input impedance: 141.2 db
- At 150,000 ohms input impedance: 126 db

**Gain of Low-Gain Channels**

- At 500,000 ohm input impedance: 95.2 db
- At 150,000 ohms input impedance: 90 db
- Frequency response: 50-10,000 cycles within 2 db
- Output proper to: 35/6/1.35/2/4/6/9/15/50/250/500 ohms
- Power consumption from a.c. line: 200 watts
- Highest impedance of input devices in use today.

**PROTECTIVE STEEL SCREEN**

This screen is sturdily constructed of heavy-gauge steel and offers complete protection, as well as enhancing the appearance of the amplifier. It is finished in rubber-black to match the main unit and slips on or off simply and quickly. Shpg. wt. 6 lbs.

Model 290-DF, List Price...

**$3.95**
HIGH-FIDELITY
A.C. AMPLIFIER
by Lafayette

USES NEW "BEAM" TYPE ALL-METAL TUBE

Amplifier which caused such a sensation in the sound engineering field (see "Radio Engineering" for Jan. 1935) has resulted in this new, unsurpassed unit. Outstanding among its many new features is the inclusion of two ultra-modern type 6L6 all-metal "beam" type power output tubes.

Its increased response shatters all previous conceptions of high-fidelity reproduction. An exceedingly wide range of 20 to 17,000 cycles, within the phenomenal limits shown on the curve, makes it the ideal amplifier for precision laboratory measurements.

OVERALL GAIN IS 90.9 DB

An overall gain of 90.9 db is realized with a power output of 25 watts into a 500-ohm load. A high-impedance (5 megohm) input permits direct connection of high-impedance devices. Noiseless gain control and wide-range tone control increase the flexibility of the amplifier. The tube complement consists of 2-6L6's, 2-56's, 1-53 and an 83 rectifier.

While the amplifier itself has an output impedance of 5,000 ohms, the use of either transformer listed below offers the many output impedances indicated. Output characteristics of each are shown on the curve.


List Price... $66.00

Model 136-DF—Protective steel screen illustrated above. Attractively finished to match amplifier. Shpg. wt. 5 lbs.

List Price... $2.99

Model 139-A—25-Watt High-Fidelity amplifier furnished as above, but mounted on standard rack-panel. 19 3/4" x 19". Finished in walnut black. Code AMBRA. Shpg. wt. 45 lbs.

List Price... $71.00

Model Y 566—Type "A" output transformer. Output impedances: 1.2/2.5/7.5/10/15/20/30/50/125/250/500/500 ohms. Input impedance, 6,000 or 10,000 ohms. Plate to plate.

List Price... $25.00

Model Y 566—Type "B" output transformer. Same specifications as above. Shpg. wt. 7 lbs. List Price... $8.00

Availabe for 220-240-250 volts, 50/60 cycles at higher prices.

Lafayette

Quality Throughout!


List Price... $55.00


List Price... $62.90

Model YC 2530—Type "A" high-quality output transformer. Output impedances in text at left. For external mounting. Shpg. wt. 12 lbs.

List Price... $30.00

Kit of tubes: 4-48's, 1-77, 1-37. List Price... $11.00
The model 130-A amplifier, pictured above, is the most powerful single amplifier in the Lafayette line. It is especially well suited for use wherever high power combined with high quality performance is required. Suggested applications include installations of the type mentioned above require a relatively high USABLE power output. By usable power output we mean the actual power that can be transmitted to the final reproducing loudspeakers, and since the great majority of systems use a 500 ohm line, only this rating is of any importance. The power output of the 130-A amplifier, into a 500 ohm line, is a full 100 watts. In addition, harmonic content at 100 watts output is only 3%, indicating exceptionally good design.

Circuit uses low-cost receiving-type tubes

The circuit consists of a single push-pull parallel stage using eight type 46 tubes. The use of these low-cost tubes in place of the high-priced transmitting types makes this amplifier one of the least expensive to operate on the market today. Quality, however, has not been sacrificed; components are the finest that modern engineering can provide. An oversized output transformer, especially designed for this particular amplifier, handles the peak output with remarkable efficiency. A pair of 83’s (mercury vapor rectifiers) delivers the necessary high voltage through a well designed filter circuit that includes a Varistor filter re-actor and high voltage electrolytics.

NO GRID-BIAS BATTERIES NECESSARY

Since the amplifier uses class B amplification, tubes are operated with a zero bias, thus eliminating the need for separate bias batteries. In other words, the unit is entirely a.c. operated, and works at maximum efficiency at all times. For this reason, the 130-A amplifier requires less attention than other types using a separate bias supply in the form of batteries.

Lafayette 12 Watt Driver Amplifier

The driver amplifier illustrated at the right was especially designed to work with the 100-watt amplifier. The circuit employed uses six tubes, providing a gain of 80.7 db. Overall gain of driver and power stage is 95 db. Tubes used include 2-56’s, 1-53, 2-2A3’s and 1-523 rectifier. Hum level (combined driver and power stage) is -50 db below 100-watts output.

The driver amplifier has a high-impedance input of 500,000 ohms, and is especially designed for use with multi-input mixers such as the one shown, with the 100-watt system listed on page 17 (see page 28 for additional listing of electronic mixers and pre-amplifiers).

A master gain control, with graduated dial, is mounted on the front panel along with a full range tone control.

Tone control limits high-frequency response to suit individual requirements of the installation. A jeweled pilot light is furnished for "on-off" indication. Chassis and panel are finished in rubber black lacquer.

Model 130-A—Lafayette 12-watt high fidelity driver for use with the 100-watt amplifier, less tubes. For standard rack mounting. Dimensions: 7-1/2" deep, 19" wide, 8-3/4" high overall. For 110 volts. 50-60 cycles a.c. Shpg. wt. 45 lbs. Code AM7AL. List Price $59.00

$59.00

Model 152-A—Lafayette 120-watt high fidelity amplifier, complete with tubes, less cabinet. Panel for rack mounting. Dimensions: 19-1/2" deep, 10-1/4" high overall. For 110 volts. 50-60 cycles a.c. Shpg. wt. 163 lbs. Code AM7AL. List Price $163.00

YY202—All metal semi-portable carrying case for $17.00

Model 138-A Lafayette 100-watt amplifier, complete with tubes, less cabinet. Panel for rack mounting. Dimensions: 19-1/2" deep, 10-1/4" high overall. For 110 volts. 50-60 cycles a.c. Models for 220-240-250 volts. 50/60 cycles available to order at slightly higher price.

**100 WATTS Output

TECHNICAL CHARACTERISTICS OF AMPLIFIER

| Peak Output | 160 watts |
| Maximum Output into plate load | 125 watts |
| Maximum Output into 500 ohm line | 100 watts |
| Harmonic Content | 3% |
| Hum Level | -40 db |
| Gain | 14.3 db |
| Power Consumption from the line | 350 watts |

The frequency response of the amplifier covers the entire audible range. Since a driver must be used with the amplifier, the curve above is taken with the suggested driver (listed below). As shown, the response is within 3-1/2 db from 50 to 10,000 c.p.s. Any high quality amplifier that can deliver 8 watts power output can be used to drive the 138-A amplifier at full efficiency. It is particularly recommended, however, that the model 138-A driver amplifier (listed below), delivering 12 watts power output, be used. This driver has exceptionally fine characteristics, to match those of the 100 watt unit and, when used, the combination shows a harmonic content of only 5%, and a very low hum level.

In addition to the power line switch, the front panel contains a plate milliammeter to indicate condition of tubes, and a switch-in type fuse using a neon indicator. Chassis and panel are finished in gleaming rubber black.

Model 130-A Lafayette 100-watt amplifier, complete with tubes, less cabinet. Panel for rack mounting. Dimensions: 19-1/2" deep, 10-1/4" high overall. For 110 volts. 50-60 cycles a.c. Shpg. wt. 22 lbs. List Price Standard model for 110-volt, 50/60 cycles a.c. — Models for 220-240-250 volts. 50/60 cycles available to order at slightly higher price.
The picture above shows the theatre located on Welfare Island, New York, where a Lafayette 100-watt system is used with excellent results. Entertainment is supplied to theatre hospital wards and park.

Lafayette CUSTOM-BUILT SUPER-POWER AMPLIFIER

COMPLETE 100-WATT P.A. SYSTEM

ILLUSTRATED at the right of the page is a complete 100-watt public address system based on the power stage listed on page 16. It contains within a single steel cabinet a three-channel electronic mixer and pre-amplifier, a 12-watt, high-fidelity driver amplifier, a 100-watt power stage and a monitor panel containing a permanent-magnet type dynamic speaker. Totally enclosed, it presents a particularly attractive appearance, and is compact and easy to handle. Access to tubes and parts is gained through a door in the rear of the cabinet.

Looking from bottom to top of the assembly, the first two panels comprise the 100-watt power stage and the 12-watt driver amplifier respectively. Both these units are fully described and illustrated on page 16.

THREE-CHANNEL HIGH-GAIN ELECTRONIC MIXER

The third panel from the bottom consists of a three-channel electronic mixer that provides a stage of pre-amplification on each channel. It uses six 2A6 tubes, three as mixers and three as pre-amplifiers. An overall gain of 133 db (at 150,000 ohms input, through power stage, driver and mixer) is realized. This gain is sufficient for direct use of crystal, or velocity or sound-cell type microphones without any additional amplification. Each of the three channels is high impedance (3-megohms). Separate gain controls, having graduated dials, are used for each channel. The other two controls consist of a master gain control and a full-range, continuously-variable tone control. The tone control is desiged for limiting high-frequency response to suit the individual requirements of the installation, and to help eliminate feedback. Three microphones can be used simultaneously; three popular types are illustrated below, and other suitable microphones will be found listed on pages 39 and 40.

COMPLETE MONITOR PROVISIONS

The top panel of the assembly is the monitor unit, and consists of an 8" permanent magnet-type dynamic speaker, a control for forward monitoring and a multi-range output level indicator calibrated directly in decibels. A six-position selector switch governs the range of the output indicator from lowest to maximum output. The speaker opening on the panel is protected by means of a steel screen grille.

ALL-STEEL SINGLE UNIT RACK

The four panels making up the system are contained in a single enclosed rack constructed of 1/16" steel throughout. The back of the rack is in the form of a door, secured by two heavy latches. Sides are louvered to provide ventilation. Rack has cutouts for cable entrances, etc. Entire rack is fully louvered and is finished in satin-black lacquer. Panels are all finished in lustrous rubber-black. Overall size of entire assembly: 42½ high, 19½" wide, 13" deep. The entire system is designed to operate on 110-volts, 50-60 cycles a.c. No external batteries required. Each unit making up the system is provided with its own power line switch. In addition, the power line switch on 100-watt panel controls entire rack.

Note: No speakers are listed with the system, since high-powered jobs invariably require special units. (See pages 42-44.) The Lafayette 100-watt system can be used wherever high power plus high quality is required. Suggested applications include installations in ball parks, in outdoor stadiums, in large auditoriums, in ball rooms, and other similar installations.
**Lafayette PHONO-P.A. COMBINATION 6V-110V-AMPLIFIER**

**15 WATTS Output**

**COMBINATION 6V-110V AMPHIFIER**

The versatility lends itself admirably for use in political campaigning where it is first used in the car to obtain widespread attention to a coming meeting, and then removed from the vehicle for installation in the meeting hall as a regular P.A. system.

**SUFFICIENT GAIN FOR CRYSTAL AND VELOCITY MICROPHONES**

The Phono-P.A. combination incorporates a powerful 15-watt amplifier (output rated as into a 500-ohm line). Harmonic content at this output is 9%—well within tolerable limits for high-quality work. Overall gain is high—115.2 db (at 5-megohm input impedance). This permits the use of crystal, velocity (close talking), or sound-cell microphones with maximum efficiency from these excellent input devices. Because of the high input impedance (5 meg-ohms), these units can be connected directly without the necessity of impedance matching transformers.

**USES HIGH-FIDELITY CRYSTAL PICK-UP**

Quality reproduction of phonograph recordings is assured by the use of a high-fidelity crystal pick-up. This unit has the widest frequency response of all phono-pick-ups, and insures long life of records by maintaining correct needle pressure at all times. The pick-up arm is sturdy constructed of steel-finished in attractive black crystalline lacquer.

**TECHNICAL CHARACTERISTICS**

- **Peak output**: 18 watts
- **Maximum output into 500-ohm line**: 15 watts
- **Harmonic content (at 15 watts)**: 0.7%
- **Amplification (overall gain)**:
  - **High-Gain Channel**
    - At 5 megohms: 119.2 db
    - At 150,000 ohms: 104 db
  - **Low-Gain Channels**
    - At 500,000 ohms: 74.2 db
    - At 1,500,000 ohms: 69 db
  - Output impedances: 25/45/15.2/4.6/6.15/25/500 ohms.
  - Power consumption: 14 amps at 6 v.

**HAS 3 INPUT CHANNELS AND A DUAL-INPUT MIXER**

**Electrolytically Operated Phono Motor**

It employs a two-sped phono-motor and turntable. This is not a spring motor but an electric unit operating from a 6-volt source. It is equipped with a speed control; “on-off” switch, and permits reproduction of either 78 or 33/10 r.p.m. records.

**Adjustable Chassis Side for Leveling**

Mounted in a black, crystalline lacquered steel case with an adjustable side so that the unit can be leveled when placed upon a car seat. Overall dimensions: 11½ x 13½ x 14½” high.

**Model 579-PP—Lafayette Phono-P.A. 6-Volt Amplifier**

- **List Price**: $149.00


**List Price**: $165.00

**Model 575S—PP—Lafayette Power Pack to operate phonograph motor only, from 110-volts, 50-60-cycles a.c.**

- **Dimensions**: 12 x 6 x 4½” high. Code: PLAVA. Shpg. wt. 23 lbs.

**List Price**: $29.00

**The Complete System—Nothing Else to Buy**

**Model 529-P—Comprises a complete system ready for operation from any 6-volt battery. Consists of the two Wright de Coster combination trumpet-speakers model 2050 (described on page 43)**

**Illustrated above, the hand-type crystal microphone model**

**D-104HS Atlantic (sound-cell or velocity may also be used); see pages 39 and 40**, and the Lafayette Phono-P.A. Combination amplifier complete with all tubes. Shpg. wt. 115 lbs. Code: SCMA. List Price

**$222.24**
Remote Control
6 VOLT AC. CONVERTIBLE AMPLIFIER
15 WATTS

- Complete Mobile Amplifier Ideal For Outdoor Political Ballyhoo
- Compact—No Larger Than An Ordinary Auto Radio Receiver
- Easily Convertible From 6 Volts D.C. to 110 V. 50-60 Cycles A.C.
- Reliable Mechanically Operated Remote Control
- Stand-by Switch Operated From The Remote Control

THE Lafayette model 147-A amplifier is a remote control operated unit that can be mounted in a car in the same manner as an ordinary auto radio receiver. It can be used in pressure cars or in commercial vehicles with equal facility, and provides exceptionally fine tone quality (graphically pictured by the frequency, response curve) using the high-gain output of the car, while car is in motion. By means of the handy steering column remote control unit. The amplifier is well suited for use in systems installed in street advertising trucks, political ballyhoo and speech mobile units (especially important in a presidential election year such as 1936), police alarm systems, etc. The amplifier can easily be manipulated by the driver of the car, while car is in motion, by means of the handy steering column remote control unit.

The amplifier uses four tubes in a powerful four-stage circuit as follows: 1-6C6 as a voltage amplifier; 1-79 as a phase inverter; and 2-6B5's in a push-pull output stage. An output of 15 watts is delivered into a 500-ohm line with 9% harmonic content; this harmonic content is allowable for all operating conditions encountered in mobile sound truck work. Peak power output afforded is 15 watts. Gain is ample for direct use of crystal or velocity (close talking) type microphone without the need for additional pre-amplification. Frequency response is exceptionally fine with 3 db from 50 to 5,000 cycles. A tweeter for above 12,000 cycles is supplied.

TECHNICAL CHARACTERISTICS
MODEL 147-A AMPLIFIER

| Power Output | 18 watts |
| Max. output into 500-ohm line | at 9% Harmonic Content |
| 15 watts |
| System is easy to install, and provides exceptional tone quality |
| Input impedances: | D.C. to 110 V. 50-60 cycles a.c. |
| 150,000 ohms |
| 500,000 ohms |
| 69 db |
| Power Consumption 14 amps. at 8 volts |
| High bass, high output level devices |
| Power Supply 140,000 ohms* 104 db |
| Frequency response exceptionally fine |
| Harmonic content | 156.5 watts |
| Total harmonic distortion | 15 watts |
| 9% |

2-INPUTS—FAADING PROVISIONS

Two input channels are provided, one high-gain and one low-gain. The high-gain channel is designed for crystal or velocity (close talking) microphone; and tubes; one 6V6, 1-6C6 and 1-79 a-c pack is used as a phase inverter; and 2-6B5's in a push-pull output stage. An output of 15 watts is delivered into a 500-ohm line with 9% harmonic content; this harmonic content is allowable for all operating conditions encountered in mobile sound truck work. Peak power output afforded is 15 watts. Gain is ample for direct use of crystal or velocity (close talking) type microphone without the need for additional pre-amplification. Frequency response is exceptionally fine with 3 db from 50 to 5,000 cycles. A tweeter for above 12,000 cycles is supplied.

OTHER CIRCUIT FEATURES

Additional circuit features include: a silent drive motor, a full range tone control, a jeweled pilot indicator for "on-off" indication. Tone control and line switch are mounted on the amplifier panel. Entire assembly is finished in lustrous rubber black. Case dimensions: 12" x 7-1/4" x 7-1/4". Remote unit has clamp for steering column.

COMPLETE SYSTEM

A complete system using the 147-A amplifier described above has been made available. It comprises the 147-A amplifier, and is as follows: one Lafayette model 147-A converter. Use of crystal hand microphone with 12 ft. of cable and connecting plug, one Rola high-fidelity 12" six-volt dynamic speaker mounted in an aluminum dome baffle, which is a mounting fixture (for top of car mounting). The system is exceptionally fine quality. Power output in ample for most applications. For operating system on 110 volts. 50-60 cycles a.c. the a-c power pack listed below must be used. A field extender must be also used, or an a-c speaker substituting for the one supplied. System No. S54-PF: Lafayette model 147-A amplifier complete with tubes, one Lafayette crystal hand microphone (TM13575) with 12 ft. of cable, and speaker. Power pack for 147-A system:

- Power pack 147-A: 155.44
- List Price $155.44

- System No. S54-PF: Lafayette complete with tubes, one Lafayette crystal hand microphone (TM13575) with 12 ft. of cable, and speaker. Power pack for 147-A system:
  - Power pack 147-A: 155.44
  - List Price $155.44
THE importance of sound truck equipment, due to the coming elections, will undoubtedly be greater this year than ever before, since the use of such equipment for political speeches and general ballyhoo work has proven highly successful. The Lafayette amplifiers shown above provides the maximum in performance.

FOUR INPUT CHANNELS ARE PROVIDED

The powerful 5 stage circuit uses 2-75's, 1-6A6, 1-76, 1-685 and 4-79's, providing an exceptionally high gain. A total of four input channels is provided: two high-gain 5-megohm channels, and two low-gain 500,000-ohm channels. A built-in two-position electronic mixer furnishes a stage of pre-amplification on each of the high-gain channels. The low-gain channels are for use with phonophone, electric guitars, etc., the high-gain channels are for use with velocity or sound-cell type microphones, two of which can be used at the same time. One of the most important features of the circuit, is the inclusion of two dual-input fader controls. Each of these faders controls a combination of a high- and a low-gain channel in such a manner that reproduction from two high-gain inputs, two low-gain inputs, or a combination of a high-gain input from one channel and a low-gain input from the other channel can be mixed together or faded from one to the other.

Other features include: silent genre-motor, tone control, both master and "stand-by" switches; output impedances tapped from 35 to 505 ohms; response within 2 db from 30 to 10,000 cycles per second.

TECHNICAL SPECIFICATIONS

**Peak Output:**
- 30 watts Max.
- 20 watts at 6.5 kHz.
- 16 watts at 15 kHz.

**Output impedances:**
- 35/1/6/1.35/2/4/6/8
- 15/50/250/500 ohms.

**Frequency Response:**
- Within 2 db from 30 to 10,000 cycles per second.

**Current Drain:**
- 18 amperes at 6 volts.

**Four Input Channels:**
- 2 high-gain, 5 megohms.
- 2 low-gain, 500,000 ohm.

**Amplification:**
- HIGH-GAIN CHANNELS at 5 megohms
  - 140,2 db at 150,000 ohms
  - 125 db at 150,000 ohms
- LOW-GAIN CHANNELS
  - 500,000 ohms
  - 100 db at 150,000 ohms


METAL SCREEN COVER

The metal screen cover is sold separately from the amplifier. When used, it provides perfect mechanical protection to the amplifier components (tubes, parts, etc.) Constructed of heavy gauge steel with smooth black finish. Can be installed in a few minutes. Shpg. wt 3 lbs.

Model 275-D — List Price
- Complete kit of tubes for above. 2-75's, 1-6A6, 1-76, 1-685 and 4-79's. $10.42

Model 1052-PP — A.C. power pack for operating model 275-A amplifier on 110-volts, 60-cycles a.c. 12 x 7½ x 8¾" high. Shpg. wt. 27 lbs. Code. FIRE. List Price $17.90


Model 1055-PP — Field Exciter for operating up to 3 six-volt speaker fields from 110-volts. 50-cycles a.c. 4½ x 5 x 12" long. Shpg. wt. 10 lbs. Code. PLAVA. List Price $29.00

Mike Combination No. 203-P — Consists of Lafayette Velocity mike YM13572 mounted on a floor stand YM13528 and equipped with 25 ft. of cable. Shpg. wt. 22 lbs. Code. SWIV0. List Price $54.88

Refer to pages 11, 13 and 17 for other suitable microphone combinations for use with the above system.

DESIGNED FOR 6-VOLT OPERATION

NOTE: The amplifier shown above has been expressly designed for 6-volt operation, and is NOT just an adaptation of an a.c. amplifier for sound-truck use. For a.c. operation use pack shown below. A Field exciter unit (illustrated below) must also be used when operating 6-volt speakers with the 110-volt a.c. system.
Convertable AMPLIFIER

6 VOLT D.C. 110 VOLT A.C.

Operation

TECHNICAL CHARACTERISTICS

Peak Output: 30 watts
Max. output into 500-ohm line: 30 watts
Harmonic content (at 30 watts): 6%
Response: within 3.2 db, 50-10,000 c.p.s., input
Four: 2 high-gain, 2 low-gain
Amplification (overall gain):

USING HIGH-GAIN CHANNELS
at 5 megohms impedance: 135.2 db
at 150,000 ohms impedance*: 120 db

USING LOW-GAIN CHANNELS
at 500,000 ohms impedance: 85.2 db
at 150,000 ohms impedance*: 80 db

Output impedance:
35, 6, 135, 2, 4, 6, 8, 15, 50, 250, 500 ohms.

Average drain: 24 amperes at 6 volts
*Highest impedance of devices now in use.

THE Lafayette model 266-A amplifier is the finest and most powerful six-volt amplifier available today. The usable power output of 30 watts represents the maximum obtainable in six-volt-operated units; in order to obtain greater output than that afforded by this amplifier, it would be necessary to use a gas-engine-driven generator to operate an a.c. amplifier efficiently.

The uses to which the amplifier can be put are many and varied. Although primarily designed for mobile sound-truck operation from a six-volt battery, it can be instantly converted for use on 110-volt, 50/60-cycle a.c. by simply connecting the a.c. power pack listed below. When used with suitable associated equipment (see system listed below), a high-power and high-quality system can be assembled. Suggested applications include installation in ballyhoo trucks (especially political speeches), auditoriums (110-volt a.c.), and many others.

5-STAGE HIGH-GAIN CIRCUIT

Eleven tubes are used in the powerful high-gain circuit. These include 2-SC6's, 4-76's, 1-6E6, and 4-79's. Output is 30 watts into a 500-ohm line, with 30 watts peak. Gain is ample for direct use of crystal or velocity mikes. Frequency response covers the entire audible range from 50 to 10,000 c.p.s. with only 3.2 db variation.

Four input channels, two high-gain and two low-gain, are provided. The high-gain channels are for mike input, the low-gain channels for phone pick-ups, electric guitars, etc. An electronic mixer permits mixing of two high-gain, two low-gain or one high-gain and one low-gain channels. A built-in dual-input fader control on each combination of a high- and low-gain channel permits fading of reproduction from a high- to a low-gain channel or vice versa. A tone control is also included to permit limiting of high-frequency response for bass emphasis.

COMPLETE CONVERTABLE SYSTEM

A complete system using the above amplifier is available. It consists of the amplifier, four 6-volt Rola high-fidelity 12" dynamic speakers, four giant weatherproof trumpets and all tubes. For a.c. operation, the a.c. pack must be added, as well as a field exciter for the speakers.

Model 266-A -Lafayette 30-watt convertible amplifier, less tubes and screen cover.
Dimensions: 10½" x 7½" x 10½" high. Shpg. wt. 63 lbs. Code ADRO.
List Price $139.90

Model 266-DD -Metal screen cover for the above amplifier. Shpg. wt. 6 lbs.
List Price $3.95

Kit of tubes: 2-SC6's. 4-76's. $11.24

Model 266-PP -Special a.c. power pack for operating the model 266-A amplifier on 110-volt, 50/60-cycle a.c. Size: 12½" x 9¾" x 6½". With 83 rectifier tube. Shpg. wt. 24 lbs. Code PLUTE.
List Price $25.00

System No. 549 - Consists of model 266-A amplifier, complete with tubes, and 266DF metal screen, four (1924) Rola high-fidelity 12" 6-volt speakers, four Lafayette YY20063 47" trumpets. Mike equipment not included. Shpg. wt. 185 lbs. Code SODRA. LIST PRICE $381.70

Suitable microphones and field exciter unit listed on page 25.
The use of plug-in type connections simplifies setting up and taking down of equipment, and prevents any possibility of improper connections. All controls, tone and gain, have graduated dials with arrow pointer knobs. The amplifier is housed in a sturdy leatherette covered carrying case (as illustrated) 18" by 9¼" by 12½" high, weighing 38 lbs.

Two powerful 12" high-fidelity auditorium-type speakers are furnished with the system. They are fully excited and at maximum sensitivity at all times, insuring the utmost in wide range, high-fidelity reproduction. The use of 500-ohm transmission lines makes possible the placing of the speakers at any distance from the amplifier without appreciable loss in volume or quality. Each speaker is supplied with 50 feet of heavy-duty, rubber-covered cable. Speaker openings in the case are protected by crystalline black finished, steel screen grilles, and provided with external "roll-up" leatherette flaps which can be removed entirely.

**MICROPHONE FITS IN SPEAKER CASE**

One crystal microphone and floor stand combination is furnished with the system. (Another crystal mike can be added if desired: see pages 39 and 40 for suitable units.) The microphone is the well-known Piezo-Astatic crystal unit, model D-104(YM13363), providing excellent high-fidelity response. The floor stand is entirely chrome plated, and is adjustable from 37” to 67”. Stand base is heavily weighted, and 9" in diameter. Twenty-five feet of special flexible rubber-covered cable is supplied with the mike. The speaker case has built-in compartments that firmly hold the microphone unit, floor stand (disassembled) and the cables. Case is leatherette covered and measures 12½" by 11½" by 22½" high. Weight of case, fully equipped with speakers, mike, stand and cables, is 50 lbs.

The Lafayette DeLuxe 15-Watt Crystal Portable System is designed for use on 110 volts, 50-60 cycles a.c. Systems for use on 220 to 240 volts, 50-60 cycles a.c., can be supplied on special order at slight additional cost. Write for complete details.

**Model 597-P**—Lafayette DeLuxe 15-Watt Portable System, comprising amplifier, tubes, two 12" high-fidelity dynamic speakers, Piezo-Astatic Crystal mike, floor stand and all cables, as described above. In two leatherette covered carrying cases. For operation on 110 volts. 50-60 cycles a.c. Ships, wt. 100 lbs. Code SEIMA. List Price $175.00

Note: Pictures to left show speaker and amplifier cases ready to be carried. Pictures below show contents of speaker case and method of support.
THE Lafayette 12-Watt Portable system includes all the necessary equipment to provide high-power, high-fidelity reproduction. The amplifier used with the system works in conjunction with an audiotorium type 12" high-fidelity dynamic speaker, and a crystal microphone. With such high quality equipment, the reason for the wide range response is readily apparent. The entire audible range of frequencies is covered without appreciable discrimination.

The high-quality, "clean" power output of 12-watts makes the system suitable for installations in dance halls, dining rooms and small auditoriums where reserve power is necessary to override incidental room noises. Despite this power, however, complete control is had over the volume, and from a bare whisper to maximum output the quality of reproduction is equally fine.

Portable system. The single leatherette covered case can easily be carried by means of the sturdy handle.

12 WATT SENIOR PORTABLE

FOUR-STAGE HIGH QUALITY AMPLIFIER

The high quality amplifier used with the system incorporates four stages using six tubes as follows: 1-53 as mixer, 1-57 as voltage amplifier, 1-52 transformer coupled driver, 2-2A5's in a push-pull class. A prime out put stage, A type 83-V rectifier supplies the necessary high voltages with excellent regulation. A 12-watt power output is realized, with harmonic content of only 5%. Hum level is -47 db below maximum output, or 1/50,000 of the power output. Power consumption 88-watts.

OVERALL GAIN OF 97 DB

One of the outstanding features of the amplifier is the high gain available, 97 db, which makes unnecessary the use of a pre-amplifier when a crystal microphone or other equally low level input device is used.

TWO HIGH-GAIN CHANNELS—BUILT-IN TWO-POSITION ELECTRONIC MIXER

The circuit is so designed that two high impedance, high-gain input channels are provided. This provision allows the simultaneous use of two microphones at one time. A two-position electronic mixer is also included, so that reproduction from two input devices can be mixed together or faded from one to the other at will. The controls for the two channels are absolutely noiseless in operation; they are knobs operated from the front panel and provided with graduated dial plates.

OTHER CIRCUIT FEATURES

Some of the other noteworthy features included in the design of the amplifier are a full range tone control that allows limitation of the high frequency response to suit the particular acoustical conditions encountered, and to help eliminate feedback; a fused power line protects the amplifier components from overloads and subsequent failures due to surges in the power line; ease of control is provided by the plug-in type connections which save time during installations, and prevent any possibility of errors when system is hooked-up. All controls and connectors are so placed that they are instantly accessible.

HIGH-FIDELITY DYNAMIC

A special 12" high-fidelity a.c. dynamic speaker, having a built-in field supply using an 80 rectifier, is used with the above amplifier. It provides true high-fidelity response, and is supplied with a line matching transformer that permits placing of the speaker at any desired distance from the amplifier without loss in volume or quality of reproduction. Fifty feet of heavy duty rubber covered cable is furnished.

CRYSTAL MICROPHONE—FLOOR STAND

The microphone supplied with the senior portable system is the popular Pierre-Astelic crystal unit model D-104 (YM13363). This microphone features an exceptionally fine frequency response. Twenty-five feet of special rubber covered cable is furnished with the mike. A chromium plated floor stand, adjustable from 25" to 59" is also furnished.

SINGLE-UNIT CARRYING CASE

The entire Lafayette Senior Portable system is housed in a single leatherette covered carrying case 23½" by 17½" by 4½" overall. The case opens into two equal compartments, one housing the amplifier, the other containing the speaker, mike, stand and cables. The speaker compartment has separate built-in housings that firmly contain the mike, stand and all accessories. Speaker opening is covered by a crystalline black steel grille and provided with an external "roll-up" flap of black leathervette. All hardware is heavily plated to be rust proof.

The Lafayette 12 Watt Senior Portable is designed for operation on 110 volts, 50-60 cycles a.c. Systems for use on 220 to 240 volts, 50-60 cycles a.c. can be supplied on special order at slightly higher prices. Write for details.

Model 757-P—Lafayette 12 Watt Senior Portable system, complete with all tubes, amplifier, speaker, microphone, floor stand and cables as described above. In single unit leatherette covered carrying case 23½" x 17½" x 9". For operation on 110 volts, 50-60 cycles a.c. Not weight 55 lbs. Shipping weight 105 lbs. Code SAVAT.

List Price $125.00
THE Lafayette DeLuxe Velocity Portable System is designed to obtain the utmost from velocity and sound-cell microphones, and, in conjunction with these excellent units, is capable of an unsurpassed quality of reproduction with power and sensitivity to satisfy the most critical.

A COMPLETE SYSTEM—NOTHING ELSE TO BUY
Here is a system that is complete to the smallest plug. Two attractive luggage cases house the amplifier complete with all tubes, two speakers complete with cables and plugs, microphone, a floor stand with cable and plug—the system is complete there is nothing else to add or buy. All power necessary for operation is obtained by simply plugging into any 110-volt, 50/60-cycle a.c. outlet.

USES A 20-WATT HIGH-FIDELITY AMPLIFIER
Its high-power, high-fidelity amplifier employs eight of the latest multi-purpose tubes, (3-42's, 2-75's, 1-6A6, 1-76 and an 83 rectifier), mounted on a sturdy steel chassis and is equipped with a protective steel screen. It provides the unusually high-gain of 139.2 db (at 5-megohm input)—more than enough for maximum efficiency when using velocity or sound-cell microphones.

TWO HIGH-GAIN, HIGH-IMPEDANCE INPUTS
An ELECTRONIC TWO-POSITION MIXER WITH PRE-AMPLIFIER FOR EACH POSITION permits mixing and fading of the two high-gain inputs. These permit the simultaneous use of two low-level microphones (velocity, sound-cell, etc.). A phone jack, for use with phone pick-ups, electric guitars and other high-level devices, automatically opens one of the high-gain inputs and throws its gain control across the device plugged in, thus permitting the volume control of high-level units at the amplifier.

WIDE-RANGE TONE CONTROL offers high-frequency attenuation for bass emphasis and aid control of feed-back difficulties.

TWO POWERFUL AUDITORIUM-TYPE ELECTRO-DYNAMIC SPEAKERS with 12" cones assure faithful reproduction. Each speaker is equipped with a 50-ft. rubber-covered cable terminated with a rubber-covered plug. There are no loose-ended wires to wrap around binding posts—all connections are clean, rapid and positive because of the exclusive use of plug and socket connections. This system can be installed by anyone.

TWO CARRYING CASES HOUSE ENTIRE SYSTEM
The complete system is housed in two handsome, black fabric-covered luggage cases. Both are equipped with leather carrying handles, and are reinforced with metal corners. The amplifier case measures 9½ x 18 x 13" high; the speaker case, 20 x 11½ x 23" high. The speaker case also contains the microphone and microphone stand with its cable. The latter unit has a heavily weighted base, is extendable to 60" and is finished in beautiful chrome. With it is supplied 25 feet of high-quality cable.

Model 522-P—Lafayette DeLuxe Velocity Portable System completely as described, with Lafayette velocity microphone and stand complete. For 110-volt, 50/60-cycle a.c. operation. Code. SGETE. Shpg. wt. 175 lbs. List Price $222.00

Model 523-P—Lafayette DeLuxe Portable System as above, but with Brush B2S Sound Cell microphone. Code. SAMAR. Shpg. wt. 175 lbs. List Price $234.10

TECHNICAL SPECIFICATIONS
Output into 500-ohm line... 20 watts
Harmonic content (at 20 w.)... 1.8%*
Hum level (below 20 w.)... -46 db
Input Channels... 2 high-gain input
Input impedance (each) 3 megohms
Amplification (overall gain):
At 5 megohms input... 139.2 db
At 150,000-ohm input... 114 db
*Can be used as 1 high and 1 low.
†Maximum of present-day devices.
25 WATT DE LUXE PORTABLE SYSTEM with Studio Type CONTROL PANEL

THE Lafayette model 591-PL 25-Watt DeLuxe Portable System is the foremost assembly of its type in the public-address field. It incorporates every modern development, includes a three-position Electronic mixer with a pre-amplifier on each input channel, is completely portable, and operates from any 110-volt, 50/60-cycle a.c. outlet. The quality of the reception afforded by the system is exceptionally fine; both speech and music are reproduced with natural, life-like fidelity. Thus, this system is recommended for use wherever high quality is a requisite.

THREE INPUT CHANNELS FOR HIGH OR LOW-LEVEL DEVICES

Any, or all, of the three input channels can be used with a velocity, crystal or sound-cell microphone, a phone pick-up, or electric guitar. Regardless of the type of input on each of the three channels, the Electronic mixer will fade and mix all three simultaneously with noiseless and precision control.

INTEGRATES OVERALL VOLUME AND CONTINUOUSLY VARIABLE TONE CONTROLS

In addition, a master overall gain control provides further flexibility by controlling the resultant of three mixed inputs. A wide-range tone control permits variation of high-frequency response to any desired degree, and serves to minimize feed-back.

UNUSUALLY HIGH GAIN OF 139.2 DB

The overall gain provided for each input channel is more than enough to operate velocity, crystal and sound-cell microphones at maximum efficiency without the need for additional apparatus. With a gain of 139.2 db (at 5-microphone input impedance), sensitivity is greater than ample. Usable output of the amplifier is fully 25 watts actually working into a 500-ohm load.

TWO HIGH-FIDELITY AUDITORIUM SPEAKERS

The speakers furnished with the system are of the Rola high-fidelity auditorium type and consequently assure the finest quality of reproduction. Each speaker is equipped with 50 feet of rubber-covered cable terminated with a 5-prong plug. The carrying case, in which both speakers are mounted, is of the split type, opening so as to provide an efficient baffle for each speaker. A metal grille protects the speaker from damage; when not in use the grille is covered by a snap-on leatherette cover.

ENTIRE SYSTEM COMPLETELY PORTABLE

This DeLuxe System now makes it possible to offer permanent-system quality of reproduction within a few moments at any auditorium, dance-ball, restaurant, or outdoor gathering. The entire assembly is contained in two attractively finished, black fabricoid-covered carrying cases. The case housing the amplifier and control panel measures 19½" by 18½" by 19". The speaker case has the same dimensions. All corners are reinforced with metal ends, and all locks nickel-plated. Hand grips are of solid leather, and overall construction is such as to withstand the wear and tear of day-after-day transportation in the field.

INSTALLED AND OPERATED BY ANYONE

All connections are of the plug-in type, which permit quick and simple "setting up" and "taking down" of the system. Technical knowledge is unnecessary. Merely plug line cord into any 110-volt, 50/60-cycle a.c. outlet, set out speakers to obtain best acoustical coverage, plug in speakers and microphones, and the system is ready to operate. Operation is only a matter of adjusting controls for the desired effects, which are easily obtained. The speakers can be placed at any desired distance from the amplifier without loss in volume or quality (due to the use of a 500-ohm transmission line); additional speaker cable can be added.

IDEAL FOR ORCHESTRA OR STAGE

This system's ability to handle simultaneously three velocity or crystal microphones, and its portability, make it the ideal unit for the show or orchestra on the road. Its professional quality and flexibility, especially, are appreciated by director and artist alike who, more than anyone else, insist upon the ultimate in faithfulness of reproduction and absolute dependability under all conditions.

REQUIRES ONLY TUBES AND MICROPHONE

With the exception of microphones and tubes, the system is furnished complete—there is nothing else to add or buy. All plugs, sockets, cables, etc., are included. Microphones are not sold as part of the system because of the expressed preference of many purchasers to choose their own input devices according to their personal tastes. However, two suggested microphone systems are listed below, with complete listings of every modern microphone on pages 39 and 40 of this catalog.

MODEL 591-PL—Lafayette 25-Watt DeLuxe Portable System with speakers, cables and plugs, but less tubes and microphones. For 110 volts, 50/60-cycle a.c. Code SLORE. Shpg. wt. 175 lbs. List price $397.00

Available for 220, 240 or 250-volt 50/60-cycle a.c. operation on order at slight additional cost.

It of tubes: 6-2A6's, 4-2A3's, 1-83. 1-59. 1-56. Shpg. wt. 5 lbs. List price 613-17

Microphone Combination No. 601-P—Consists of one Amplifier model RHV velocity microphone complete with one No. 1320 chrome-finished floor stand and 25 feet of rubber-covered cable with terminal plug. Code SWTA. Shpg. wt. 15 lbs. 56.20 List price

Microphone Combination No. 601-F—Similar to above microphone combination, but furnished with one Brush model B25 sound cell crystal microphone. Code SWOMA. Shpg. wt. 14 lbs. 60.70 List price

See pages 39, 40 and 41 for complete listing of microphones, stands and accessories.
IN designing the De LUXE High-Fidelity Tuner illustrated above, price considerations were made subordinate to those of sensitivity, selectivity, high fidelity, and flexibility. For this reason, the finished product is offered without fear of contradiction, as the finest tuner on the market today. Every requirement for truly high-fidelity characteristics has been successfully met by utilizing every circuit refinement made available by the wizardry of modern radio engineering. These include: VARIABLE sensitivity and selectivity to suit every requirement; VARIABLE low-pass audio filter circuit; base compensation; all-wave coverage; cathode-ray tuning extended a.v.c.; anti-static circuits individually shielded, oscillator circuits, etc., etc.

ALL-WAVE COVERAGE—6.6 TO 2000 METERS

The entire spectrum from 6.6 meters to the long-wave European broadcast limit of 2000 meters is covered in five steps. The bands are separated as follows: from 6.6 to 15.5 meters (19-45 mc.); from 15.5 to 55 meters (5.4-19 mc.); from 55 to 175 meters (1.75-5.4 mc.); from 175 to 580 meters (520-1700 kc.); from 750 to 2000 meters (150-400 kc.). Thus amateurs in both Europe and America can be picked up, as well as European short- and long-wave broadcasts, police calls, television and airplane signals, and, of course, the standard American broadcasts. Individual coils are used on each band; switching is controlled from front panel.

USES THE NEW METAL TUBES—SUPERHET CIRCUIT

Fourteen tubes are used in the powerful superhet circuit. Of this total, all but the rectifier and the electron-ray tuning indicator are of the latest all-metal construction. The tube complement consists of: 1-857 r.f. amplifier on all bands; 1-848 converter; 1-865 oscillator; 1-868 first i.f. amplifier; 1-671 second i.f. amplifier; 1-689 detector and rectifier for the tuning indicator; 1-673 triode-first audio amplifier; 1-865 first high frequency oscillator; 1-867 and 1-668 in an amplified a.v.c. system; 1-677 and 1-468 in a special anti-static circuit; 1-525 electron-ray-tuning indicator; 1-469 oscillator tube. The circuit is original in design, and patents have been recently granted for it.

HIGH-FIDELITY RESPONSE—VARIABLE SELECTIVITY

Due to special circuit design, the tuner has a remarkable frequency range of from 20 to 20,000 c.p.s. This range is covered with a variation of less than 3 db at the high end and is designed for reception of strong interference-free signals usually picked up during daytime broadcasts. Obviously, however, this high-fidelity band cannot be used for the reception of weak short-wave signals, or for reception on crowded channels where interference is encountered. For this reason, provisions have been included for varying the selectivity by means of variable coupling i.f. transformers and a special low-pass audio filter circuit. Five selectivity ranges are provided as follows: range A is the high-fidelity range from 20 to 16,000 c.p.s. with an r.f. band width of 40 kc.; range B, for normal reception, covers from 20 to 7800 c.p.s. with an 18-kc. band width; range C, for night-time reception or for repetition of relatively weak signals, covers from 20 to 4000 c.p.s. with a 12-kc. band width; range D, for reception of weak code and phone signals, covers from 20 to 1000 c.p.s. with an 8-kc. band width; range E, for reception of weak code and phone signals, covers from 20 to 400 c.p.s. with a 10-kc. off resonance, is over 1000 times.

VARIABLE I. F. TRANSFORMERS—AUDIO FILTER

The band width of the i.f. transformers is varied by changing the coupling between primary and secondary; this is accomplished without changing the resonant frequency. To secure exactly the proper motion for the movable coils, each transformer has its own can driving the moving coil. The three cans are mounted on the selectivity-selectivity control shaft that is operated from the front panel. Working in conjunction with the variable i.f.'s is a special low-pass filter circuit comprised of 4 sections (eleven elements). The four sections are thrown into the circuit at the same time as the coupling of the i.f. transformers is varied (no filter on the high-fidelity 20-18000 c.p.s. range) and cut-off sharply at the maximum frequency limit as described for bands B to E.

SPECIAL CAM SWITCHES EMPLOYED

For bond changing and varying of selectivity, specially designed switches are used. They operate on the knife contact principle, the most efficient known. Contacts are silver plated, positive in action and inherently free from noise. Special shielding is employed to eliminate inter-circuit capacity effects or stray field pick-up, thus assuring absolute stability of operation.

ADDITIONAL IMPORTANT CIRCUIT FEATURES

Other important features include a special anti-static circuit that eliminates man-made interference, spark plug noises, etc.; beat frequency oscillator for reception of weak c.w. signals; controllable bass compensation—base notes are faithfully reproduced at any setting of the volume control; amplified a.v.c. circuit acts entirely independently of the detector tube; switch permits removal a.v.c. load for high-fidelity reception; full-vision illuminated airplane dial; air trimmers on all tuned circuits; BES cathode-ray tuning eye permits exact visual tuning. All controls are governed directly by knobs on the front panel; full instructions are furnished.

Output impedances provided are 500 and 3000 ohms. Output level on 2000-ohm line is plus 12 db (14 volts); on 500-ohm line is 0 db (1.7 volts). Built-in power supply operates on 120-220-250 volts, 50-60 cycles a.c. All controls operated by means of arrow pointer knobs on the front panel; all controls plainly marked. The steel front panel is finished in instrument black, and is designed for standard 19" rack panel mounting. Chassis is plated steel. Overall dimensions of chassis: 16½" wide, 9" high and 11½" deep. A suitable metal cabinet is available—see listing below. Full instructions included with each tuner.

Model 1209-A—Lafayette De Luxe High-Fidelity P.A. Tuner, complete with all tubes, Built-in power of 100 for 110/275 volts, 50-60 cycles a.c. Panel for standard 19" rack mounting. Shpg. wt. 25 lbs. Code NULAB. List Price $190.00

Model 1217—Special metal cabinet for above. Finished in crystalized black lacquer. Has door in top, with heavy hutch, for quick tube changes and inspections. 10½" high. Shpg. wt. 21 lbs. List Price $20.00
The Lafayette Wide-Range T.R.F. Tuner has been designed to meet the demand for a comparatively low-priced wide-band unit capable of providing sensitivity and selectivity characteristics.

Seven tubes are used, all but the tuning indicator being the latest all-metal types. Tubes are used as follows: 3-687's as r.f. amplifiers, 1-6HS as diode detector and a.c. tube, 1-6GC as audio amplifier, 1-524 rectifier and 1-6ES cathode-ray tuning indicator. The range of the tuner is from 580 to 1600 kc. (187.5 to 545 meters).

Power supply is built in: for 110-volt, 50/60-cycles a.c. operation.

Selectivity is rated at 100 times 97 kc. wide—this is unusual in a tuner of this type, and is indicative of the superlative design. Stations can be easily separated over the full range of the dial. Sensitivity without side-band cutting is in the order of 15 microvolts absolute as compared with the average 200 to 250.

The a.c. circuit is comparable to that of similar circuits in superhet tuners, and provides a full "swing" on the 6ES cathode-ray tuning indicator. A sensitivity control on the front panel enables the operator to cut out the a.c. section in order to obtain maximum fidelity with minimum side-band noise. A manual volume control is provided, and is governed from the front panel.

Two output impedances are provided. One is 50,000 ohms; the other 500 ohms. The output level is sufficient for use in conjunction with amplifiers having as little as 50 db gain.


Bit of tubes for above: 3-687's, 1-6HS, 1-6CS, 1-524 and 1-6ES. List Price $80.10

The Lafayette Wide-Range T.R.F. Tuner affords extreme selectivity and sensitivity. It incorporates many modern features that make it particularly well suited for all R.F. work.

The tube complement, comprising seven tubes, includes five of the latest all-metal types. Tubes are used as follows: 1-687 as a stage of r.f. amplification on all bands; 1-687 as first detector; 1-687 as i.f. amplifier; 1-6HS as diode second detector and a-c. tube; 1-6CS as audio amplifier; 1-80 rectifier and 1-6ES cathode-ray tuning indicator tube. The power supply is built in.

The tuning range covers from 16.4 to 560 meters in three overlapping bands as follows: from 16.4 to 52.2 meters (5.75-18.3 mc.), from 51.8 to 175 meters (1.715-3.8 mc.), from 173 to 560 meters (535-1730 kc.). Thus, American and foreign amateurs, police cells and the standard American broadcasts can be received. Wide-range reception is made possible by means of a special high-fidelity control that varies the i.f. band width. When the band width is broadened, the higher frequencies are passed. Sensitivity on the 173-560 meter band is rated at 0.5 microvolt absolute on the 51.8-175 meter band and 1.0 microvolt absolute on the 16.4-52.2 meter band. 2.0 microvolts absolute. Selectivity rated 25-k.c. broad at 1000 times signal (sharp). Other features include: manual volume control, cathode-ray tuning, efficient band change switch, full-vision illuminated airplane dial and rigid steel bracket mounting.

Output impedances 500 and 50,000 ohms. Can be used with any amplifier having a gain of 50 db or more.

Model 5006-TP—Lafayette Wide-Range Superhet Tuner with panel for standard 19" rack mounting. Less tubes. For 110-volt, 50/60-cycle a.c. Dimensions: 10½"x10½"x10½". Shpg. wt. 27 lbs. Code NINAS. List Price $84.00

Model 5007-TP—Lafayette Wide-Range Superhet Tuner chassis only, less tubes. For cabinet mounting. Shpg. wt. 23 lbs. Code NONBA. List Price $79.00

Bit of tubes for above: 1-687, 3-687's, 1-6CS, 1-6ES and 1-80. List Price $89.09

The Lafayette Two-Speed Electric Portable record player makes use of a Groen Flyer governor-controlled motor provided with a 12" turntable. A high-fidelity piezo-electric crystal pick-up insures excellent frequency response. Pick-up is extremely lightweight and requires no counterbalance when used with 35½ r.p.m. recordings. Especially well suited for playing back continuous recordings on acetate, aluminum, etc. 78 to 35½ r.p.m. speed shift lever mounted on panel. A noiseless volume control, operated from a knob on the panel, is built in. The entire assembly is housed in a Fabricied-covered carrying case measuring 17½" wide, 13½" deep and 8½" high. Strong carrying handle on top. All hardware heavily plated; rear hinge is full length piano type. Front clamps have lockers; two keys furnished. For operation on 110-volt, 50/60-cycle a.c. only. Complete, ready to operate. Shpg. wt. 25 lbs. $92.75
Lafayette ELECTRONIC MIXERS

Available With or Without Pre-Amplification

Mixes, Fades and Pre-Amplifies Three Input Channels—Gain 50 Db

The electronic mixer is the finest method yet devised for the simultaneous mixing and fading of several input channels, and under Lafayette development, has attained an unparalleled high efficiency.

Modernizes Old Amplifiers

Owners of old, low-gain (up to 70 db) P.A. systems can now obtain all the advantages of the new low-level microphones such as the velocity and sound cell units. The addition of the Lafayette Electronic Mixer and Pre-Amplifier not only permits the use of these high-fidelity microphones, but adds a modern studio type mixer, fader and tone control for three input channels to any amplifier. Each channel is equipped with a separate gain control and a pre-amplifier which offers an overall gain of 50 db.

In addition, a master gain control is provided for increased flexibility.

Frequency response is exceptional—40 to 10,000 cycles within plus or minus 2 db. Mixing is simplified by the addition of the pre-amplifier stage, thus providing absolutely noiseless control.

Available for 2½ or 6-Volt Tubes

Two models are available in two mounting forms. A 6-volt model using 6-2A5's and a 2½-volt model using 6-75's can be had and mounted either in a steel cabinet measuring 19 x 7½ x 7½" (illus. right) or on a standard 19 x 8½" rack-panel shown below. Power for either of these units can be obtained from the amplifier, a separate power supply or from batteries. A power supply suitable for the 6-volt model only is listed below. The plate supply can be any value between 100 and 400 volts with consequent variation in gain. Input impedance is 5 megohms; the output impedance will match the grid of the input tube.

Three-Channel Input Electronic Mixer Without Pre-Amplifier

This electronic mixer is similar to the model described above except that it does not include pre-amplifiers. The high-fidelity units are fitted with a separate gain control for each of the three input channels, overall tone control, master volume control and can be used with any amplifier having a gain of up to 95 db.

It is available for either 2½ or 6-volt operation, in steel case or rack-panel mounting. The 6-volt model uses three 6C6's, the 2½-volt unit, three 6-75's in the pre-amplifier model. The steel case measures 10 x 7½ x 5½". The rack-panel is of the standard 19" type, 8½" high.

The control panel for all units is etched instrument black and mounts a ruby-light indicator and power switch. Input impedance is 500,000 ohms; output will match grid of input tube.

New High-Gain Pre-Amplifiers and Matched Power Supplies

This pre-amplifier is designed particularly for use with crystal, sound cell, and velocity microphones, and other low-level input devices when used with amplifier having a gain of over 90 db. It is the most unusual high-gain, a.c. operated unit ever developed and incorporates features that are exclusive Lafayette developments.

CHASSIS MOUNTED ON SPONGE RUBBER

The entire chassis of the unit is mounted on sponge rubber, thus offering complete freedom from feed-back set up by mechanical vibrations of any nature.
LIST PRICE

LIST PRICE

Model K Case

Designed to house the Packard automatic record changer. Strong wood construction, with overall covering of black leatherette. Has sturdy leather-covered carrying handle. Cover hinge of the full length, piano type. Two clasps hold top and base firmly together. All hardware brass plated. Carrying compartment has felt liner that clamps at an angle in the case to prevent damage to the records as they are "kicked-off" by the automatic record changer. Two sizes available (for standard Model K and large Model L record changers).

YS17756—Overall dimensions: 12½’ wide, 12½’ deep, 8 ½’ high. Inside dimensions: 12½’ wide, 12½’ deep, 7¼’ high. Shpg. wt. 11 lbs. (For Model K) $8.90

Model L Case

YS17767—Large case. Overall dimensions: 14¼’ wide, 15½’ deep, 9¼’ high. Inside dimensions: 14¼’ wide, 15½’ deep, 7½’ high. Shpg. wt. 15 lbs. $9.50

LIST PRICE

Portable Phonograph Case

Black leatherette covered with brass plated hardware. Front clamps have locks. Two keys furnished. Overall size 17½” wide, 17½” deep, 8” high. Phonofly motor, leatherette covered, has cut-out for Green Flyer motor. Piano hinge on cover. Shpg. wt. 11 lbs. $11.00

LIST PRICE

Y52055—List Price $23.90

CARRYING CASES FOR AMPLIFIERS & SPEAKERS

Tuner or Amplifier Case

Case A—illustrated at upper left. This case is designed to house all types of equipment such as mixers, tuner-amplifiers, remote control equipment, etc. Entire case is covered with black leatherette and provided with a sturdy carrying handle at the top. Doors at front and back. Includes a front panel covered with black leatherette for mounting switches, controls, etc. All hardware nickel plated. Overall dimensions 20” high, 20” wide and 13¾” deep. Shipping weight 25 lbs. $19.90

LIST PRICE

Power Amplifier Case

Case B—illustrated at lower left. Designed mainly for carrying power amplifiers, can be used with many other types of equipment. Entire case covered in black leatherette. Nickel plated hardware. Sturdy carrying handle (leather) on top. Equipment fastens to base, as shown in illustration. Inside dimensions 106¼” high, 17” wide and 8½” deep; overall dimensions 12¾” high, 18” wide and 9½” deep. Shpg. wt. 18 lbs. $13.90

LIST PRICE

Speaker-Amplifier Case

Case C—Split case designed to house a speaker and an amplifier as shown. Sturdy construction with re-enforced corners. Overall covering of black leatherette. Nickel plated hardware, metal corner protectors. Case opens up into two equal sections. Speaker section has 9½” opening, covered with a steel screen grille and provided with a weatherproof "roll-up" flap. Blocks for holding cable also provided. Overall dimensions 21” high, 20” wide and 13¾” deep. Shipping weight 23 lbs. $21.90

LIST PRICE

Dual Speaker Case

Case D—Split case designed to house two dynamic speakers. Will take speakers up to 12½” diameter. Both sections have 9½” speaker openings protected by steel screen grilles. Weatherproof "roll-up" flap provided to protect both openings. Entire case covered with black leatherette and provided with a sturdy carrying handle. All hardware, including metal corner pieces, heavily plated. Overall dimensions 21” high, 20” wide and 13¾” deep. Shipping weight 23 lbs. $21.90
For real high-fidelity, this d.c. exciter should be used. Two tungsten bulbs in a thoroughly filtered, hum-free full-wave rectifier circuit supply 10 volts at 7.5 or 5 amperes, and 8.5 volts at 4 amperes, for the exciter lamps—terminal strips with "BX" knockout boxes insure proper connections. The terminal strips are mounted on opposite ends of the chassis to simplify connections to the projectors. Primary of the a.c. line transformer is tapped so that fluctuations in line voltage can be compensated for; tap-selector switch on panel. The assembly is entirely remote-control operated; individual remote stations are used for sound change-over from one projector to the other. Station units are so constructed that they can be mounted directly on the projector, or any other convenient location. Any number of remote-control stations can be used with the exciter.

REMOTE OPERATED D.C. EXCITER (FIG. C)

For Theatres Up to Approximately 3,000 Seats
Extremely Compact
Class "AB" Output
New Beam Power Tubes
Wall Mounting Cabinets

For detailed descriptive booklet
COMPLETE SYSTEMS
The entire Lafayette theatre sound equipment is composed of five fundamental units: the amplifier—the d.c. exciter panel—the dual channel selector panel—the monitor panel—the dual channel exciter panel. By properly grouping the units, using the 40-watt deluxe amplifier as a basic unit, a system can be assembled to meet practically any requirement in the sound-on-film field. Systems from the most inexpensive (illustrated, Fig. A, page 30) to the elaborate five-panel model (at the right), can be assembled with equal facility.

STEEL RACK CABINETS
All units comprising a system are housed in specially designed wall mounting rack-type steel cabinets. These cabinets are provided with doors on each side so that the projectionist can have instant access to all parts.

DUAL CHANNEL THEATRE SYSTEM No. 705-P
The Lafayette wide-range, high-fidelity theatre system pictured above is the most elaborate in the Lafayette line. It is capable of truly remarkable performance, and can be used in any theatre with up to approximately 3,000 seats. A spare amplifier is included, and is ready for instant operation at all times. The change-over panel permits amplifiers to be used individually with two projectors as inputs (for test purposes). Monitor and auditorium speakers act as separate output devices. Stand-by arrangement is also provided. The system is made up of the following units: two Lafayette 40-watt theatre amplifiers; one d.c. exciter panel; one monitor panel; one dual channel selector panel. The cabinet housing the system is compact enough to mount directly on the wall between projectors. Panels finished in rubber black.

DUAL CHANNEL SELECTOR (Fig. D)
The dual channel selector is designed to facilitate operation of systems employing spare amplifiers and other complementary equipment. The four switches are of the self-capacitance-type most efficient known. Circuit so arranged that the filaments of the amplifier not in use are kept on-ready for instant re-use. The selector can be used with the projector while the other amplifier is being tested through the monitor speaker. All connections are designed for low-capacity conduits. Panel for standard rack mounting, 19" x 31/2" x 4". Shpg. wt. 17 lbs. Code ASTMA.

A.C. EXCITER PANEL (Fig. B)
Illustrated on page 30 (Fig. B). Designed for use in installations where extreme high-fidelity results are not required. Transformer supplies 5.5 volts at 12.5 amp. and 10 volts at 7.5 amps. A manual changeover switch of the multi-contact type changes the position of the output terminals (for use with two projectors). A separate switch indicates which projector is being supplied. All terminals provided with metal boxes having knock-outs for BX cable connections. Panel for standard rack mounting, 19" x 31/2" x 4". Shpg. wt. 12 lbs. Code ASTER.

System No. 705-P—Consists of one 402-A amp., one 403-A d.c. exciter in rack cabinet 20\(\frac{3}{4}\)" x 14" x 10". Shpg. wt. 95 lbs. Code SCABE. Complete with 400-A monitor, $174.54 List Price.

System No. 704-P—Consists of one 400-A amp. and one 404-A d.c. exciter with one remote station. In rack cabinet 20\(\frac{3}{4}\)" x 28\(\frac{3}{8}\)" x 10". One 8\(\frac{3}{4}\) blank panel. Shpg. wt. 175 lbs. With all tubes. Code SCATO. List Price $309.22

System No. 703-P—Consists of one 400-A amp., one 402-A monitor and one 403-A d.c. exciter. In rack cabinet 20\(\frac{3}{4}\)" x 28\(\frac{3}{8}\)" x 10". One 6\(\frac{3}{4}\) blank panel. Shpg. wt. 140 lbs. Complete with tubes. Code SCDOB. List Price $234.58

System No. 702-P—Consists of one 400-A amp., one 402-A monitor and one 404-A d.c. exciter with one remote station. In rack cabinet 20\(\frac{3}{4}\)" x 28\(\frac{3}{8}\)" x 10". One 8\(\frac{3}{4}\) blank panel. Shpg. wt. 139 lbs. With tubes. Code SCGAS. List Price $373.04

System No. 701-P—Consists of one 400-A amp., one 402-A monitor, one 404-A d.c. exciter and one 405-A dual channel selector. In rack cabinet 20\(\frac{3}{4}\)" x 40" x 10". Shpg. wt. 223 lbs. With all tubes. Code SCFAN. List Price $582.00

System No. 700-P—Consists of one 400-A amp. and one 405-A dual channel selector. In rack cabinet 20\(\frac{3}{4}\)" x 40" x 10". Shpg. wt. 159 lbs. With tubes. Code SCDAB. List Price $220.22

System No. 699-P—Consists of one 400-A amp., one 402-A monitor, one d.c. exciter and one 405-A dual channel selector. In rack cabinet 20\(\frac{3}{4}\)" x 28\(\frac{3}{8}\)" x 10". One 8\(\frac{3}{4}\) blank panel. Shpg. wt. 129 lbs. With tubes. Code SCDAS. List Price $229.68

LOW COST INSTALLATION
Systems are so arranged that no external wiring other than the a.c. line and stage speaker connections are necessary. Overhead dual channels are provided. Terminals are mounted on opposite ends of the chassis—photo-cell leads are always adjacent to the projectors they serve. Systems are ultra-simple to install necessary repairs or replacement can be made with the utmost speed.

WALL MOUNTING CABINETS
All systems are housed in specially designed steel wall cabinets that can be mounted on the wall in the projection room, between projectors. Even the deluxe five-panel system illustrated at the right is compact enough to mount on the front wall between projectors. All terminals are designed for BX connections. Terminal covers included.

Write for detailed descriptive booklet

COMPLETE MONITOR PANEL (Fig. E)
Used for checking reproduction directly at the system. Consists of an 8" permanent magnet type dynamic speaker, a variable range output level indicator and a volume control for the monitor speaker. The output meter is calibrated directly in decibels—a 3-over-position selector switch on the panel controls output measurements from lowest to highest levels. Speaker opening is protected by a steel screen grille. Panel for standard rack mounting. Finished in instrument black. On-off toggle switch on panel. Size 19" x 8\(\frac{3}{4}\)" x 4". Shpg. wt. 17 lbs. Code ASCY. Model 402-A List Price $53.90

Write for detailed descriptive booklet
This popular type projection lamp assembly incorporates every feature desirable for projection work. Light is supplied in abundance and the absolutely flicker-free, and every detail of the picture is clear and distinct. Light is of the proper color to enhance the eye, and to project color pictures with true color shading. The mechanism is designed and manufactured in both initial cost and in operation. Outstanding features include: All metal parts are centering rest; rigid mirror alignment; right-left rear operation of the entire mechanism; universal are viewing device, duplex housing construction whereby the mechanism chamber protects all moving parts from the ash of the arc and the dust of the projection room; unit construction whereby the positive head assembly, negative head assembly, motor and gear case assembly can be quickly removed and as quickly replaced. These features result in consistently even and bright screen illumination, long mechanism life, facility in cleaning and servicing, etc. Wide-range feed regulation to both carbons permits burning amperage required to produce proper screen intensity and control costs of operation as desired. The Bremant Enarec uses the new "Suprex" carbons at 40 to 65 amperes. The mechanism has been tested and approved by the Underwriters Laboratories and the National Board of Fire Underwriters. Shpg. w't 200 lbs.

**T.S.C. Sound Screens**

Made by the Theatre Screen Corp., these screens are guaranteed not to yellow with age. They do not use cellulose acetate. Advantages are: extreme brilliancy, depth and sharp definition to the pictures, natural color values in color pictures, natural sound, etc.

**FOREST Copper Oxide Rectifiers**

The most modern, most efficient and dependable source of pure direct current supply. Uses no bulbs, and there are no parts to replace and no maintenance. Pure, ripple free direct current supplied to the arc--can be adjusted to required amperage. Will give years of trouble free service. All parts are oversized and well ventilated. The entire unit is in a steel casing, and suction type ventilation is used. The ventilating motor is of the ball bearing type, factory lubricated, and requires no attention. **Automatically protected.** Units listed below are for use on 200 to 250 volt, 50-60 cycle, 3-phase a.c. lines. Will supply two Suprex carbon arcs.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Lamps</th>
<th>D.C.</th>
<th>H. W.</th>
<th>W. D.</th>
<th>List Price</th>
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</thead>
<tbody>
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<td>YW2065</td>
<td>2</td>
<td>32</td>
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**CETRON Photo-Electric Cells**

Cetron photo cells are manufactured from the finest materials, and will give you best and most efficient service. Cesium filled. Feature high ionization point, greater current output and wider frequency response.

**Bluebook of Projection**

The sixth edition of this famous book on motion picture projection and sound reproduction written by F. H. Richardson, National Exhibitor, and posing as collaborator. Contains 299 pages and illustrated pages chock full of information. Shipping weight 8 pounds.
Steel Cabinets for Rack Panels

Take standard 19" panels. Built of 1/4" steel, black crystalline finish. Single panel units have door on top, multiple panel units have doors on top and in rear. Sides and back have louvers. Mounting feet on bottom. All hardware furnished.

YY22194 — For single panel, 83/4" high, 12" deep. Shpg. wt. 20 lbs. List Price $8.90
YY22003 — Same as above, but 101/2" deep. Shpg. wt. 22 lbs. List Price $10.90
YY22192 — For two panels, 171/2" high, 13" deep. Shpg. wt. 34 lbs. List Price $15.70
YY22193 — For three panels, 261/4" high, 13" deep. Shpg. wt. 42 lbs. List Price $16.40

Enclosed P. A. Racks

Construction of heavy gauge steel finished in black crystalline lacquer. Take standard 19" panels. Side have louvers, back panel in form of door with heavy latch. Panel holes spaced 1 1/8" apart; drilled and tapped for 10-32 hardware. Knocked down with all necessary bolts, washers. Both models listed have 17%" width channel and 15" deep overall. Available panel space shown. The 42" model can be obtained with a steel phone shelf in place of the top panel; see listing below.

Stock Dimensions Shpg. Wt. List Price
YY22154 42" 36x7 1/2 75 45.00
YY22155 66x43 75 61x3 120

Steel Phone Shelf

For use with above enclosed rack (315 ft. model). Heavy gauge steel, black crystalline finish.

YY22397 — For Capehart record changer. Shpg. wt. 25 lbs. List Price $9.60
YY22398 — For Green Flyer motor. Shpg. wt. 26 lbs. List Price $9.60

List, Either Type

If the 315 ft. enclosed rack listed above (YY22154) is desired with steel phone shelf in place of top panel, add $1.00 to the list price.

Steel Brackets

For panels 7" or higher. Black wrinkled finish.

YP15271 — For 8" base. List Price, per Pair $1.08
YP15272 — For 11" base. List Price, per Pair $1.78

New! Enclosed DeLuxe P. A. Rack

A specially constructed enclosed rack for high quality P. A. installations. Built of heavy gauge steel. Complete pieces have rubber black finish; base, top and sides finished in crystalline black. Two panel mounting channels are provided so all units can be kept flush with face of rack when doors are used. Doors mount on outer channels and on inner and outer channels as illustrated. Mounting holes spaced 1 1/8" apart, and are tapped for 10-32 hardware. Rack designed for standard 19" panels (available, drilled for W. E. panels on special order, higher price). Back in form of door with two heavy latches, has two ventilating screens. Sides louvred. Front so arranged that no mounting screws show (as illustrated). Overall height 67 1/2", with 64 1/8" of panel space. Overall depth 16 1/2"; depth from inner channel to outer channel 14". Shipped completely assembled (less panels and front doors). Shipping weight 220 lbs.

YY22390 — DeLuxe enclosed rack, complete less panels. Shipped from New York warehouse only. List Price $89.00

Speaker Panels

12 gauge steel with rubber black finish, standard grade.

YY22246 — Panel for 6" speaker. 8 1/2" by 19 1/4"; 45% hole diameter. Shpg. wt. 6 lbs. List Price $3.00
YY22244 — Panel for 10" speaker. 10 1/2" by 19 1/4"; 65% diameter hole. Shpg. wt. 8 lbs. List Price $5.30
YY22242 — Panel for 10" speaker. 10 1/2" by 19 1/4"; 65% diameter hole. Shpg. wt. 16 lbs. List Price $5.50

Loud Speaker Cabinets

These loud speaker cabinets add the final professional touch to the P. A. installation, and at the same time provide perfect protection for the speaker. Steel with black crystalline finish. Front panel is removable.

YY22243 — Speaker cabinet 9x9x8 1/2". For 6" speaker. Hole 45%. Shpg. wt. 8 lbs. List Price $4.50
YY22244 — Speaker cabinet, 11x11x7. For 8" speaker. Hole 65%. Shpg. wt. 9 lbs. List Price $5.50
YY22245 — Speaker cabinet, 11x11x7. For 10" speaker. Hole 74%. Shpg. wt. 9 lbs. List Price $5.50

Blank Steel Panels

Built of 1/4" steel, with rubber black finish. All 19" long; will fit racks listed on this page.

Stock Shpg. wt. List No. Height lbs. Price
YY22391 31/2" 5 $12.10
YY22392 5" 8 $3.30
YY22393 8 1/2" 9 $3.90
YY22394 10 1/2" 10 $5.60
YY22395 12 1/2" 12 $5.90

Steel Doors for the DeLuxe Enclosed Rack

For use on the DeLuxe rack shown at left. Of heavy gauge panels with rubber black finish. Doors are hinged (equal to two 8 1/2") deep. Shpg. wt. 17 lbs. Overall Provided with lock and two keys. Cut-steel handled grip latch. Comes complete with two steel closure angles. Shpg. wt. 19 lbs.

YY22152 List Price $14.80

Sectional P. A. Rack

Will improve the appearance of any existing installations. Entire assembly constructed of steel with black crystalline lacquer finish. Adaptable to almost any apparatus. Comes furnished with three steel shelves, in addition to the bottom shelf. Rack stands 5 feet high, 19 1/4" wide and 12 1/4" deep. Channel type of construction allows hiding of all unsightly wiring. All components are enforced with steel braces. Shipping weight 165 lbs. Knockdown form with all necessary nuts, bolts and washers. Shpg. wt. 60 lbs.

YY22159 List Price $19.00

List Price Each $1.80

Rock Mounting Phono Shelf

Designed to take all phone equipment. Fits all racks listed on this page. 1/4" steel, black finish. 16 1/2" wide, 5" deep. Angle brackets can be used at front or rear. Complete with hardware. Shpg. wt. 20 lbs. Blank top panel. With top panel cut for Capehart record changer.

YY22423 List Price $15.00

With top panel cut for Green Flyer record motor.

YY22434 List Price $18.50

With top panel cut for Green Flyer record motor. 1/4" steel. Black finish. 16 1/2" wide, 5" deep. Angle brackets can be used at front or rear. Complete with hardware. Shpg. wt. 20 lbs. Blank top panel. With top panel cut for Green Flyer record motor.

YY22433 List Price $17.00

RELIABLE EQUIPMENT AT REASONABLE PRICES
Three tubes are used in the circuit. These are: 1-57 pentode resistance coupled to a 2A3 pentode output tube and a type 83 mercury-vapor rectifier. Power output afforded is a full 3½-watts (5-watts peak). Regulation is exceptionally good, due to the careful filtering. An overall gain of 76 db at 150,000 ohms input impedance is provided.

BUILT-IN MICROPHONE CURRENT SUPPLY

One of the outstanding features of this amplifier is the built-in provision for supplying microphone current, thus eliminating the need for external batteries. A symetrically wound transformer is used to handle the output of a double-button carbon microphone (200 ohms per button). The mike cable connects to a terminal strip which is mounted on the rear of the chassis. Sufficient energy is furnished by the amplifier to fully excite the field of any 2500 ohm dynamic speaker. Speaker must be provided with a suitable transformer to match the output of the 2A3 tubes. Speaker connects to a socket on rear of chassis.

OTHER IMPORTANT CIRCUIT FEATURES

Features in addition to those described above include: a high-impedance channel available at a jack on rear of amplifier. This channel is suitable for use with phonograph pick-ups, electric guitars, and similar devices. When the high-impedance channel is used, the microphone circuit is automatically opened; a full-range, continuously-variable tone control permits limiting of high-frequency response and helps to eliminate feed-back: a master gain control governs volume from cut-off to full power output smoothly and noiselessly.

The entire assembly is contained on a metal chassis measuring only 14" long, 7" high and 6¾" deep overall. It can easily be placed in a carrying case or a small cabinet because space is provided on chassis for speaker. Components used in its construction are designed to provide ample safety factor under all normal conditions of operation, so that long, trouble-free service is insured. Overall finish on chassis is gleaming instrument-black. The amplifier is designed to operate on 110-volts, 50-60-cycles a.c. only. If 220-volt, 50-60-cycle lines are to be used, use step-down transformer such as those listed on page 38.


YP1552—Auburn 3½-Watt Amplifier. less tubes. For operation on 220 volts, 50-60 cycles A.C. or 250 volt operation only. Available for 220-volt and 250-volt operation on special order at slightly higher price. Code: AM552. List Price $21.90

$2.77

The master gain control that governs volume from merest whisper to full power. Both controls are operated by means of pointer knobs and provided with graduated dials.

COMPACT, RUGGED CONSTRUCTION

The entire assembly is mounted on a metal chassis that is small enough to be housed in a portable carrying case or small cabinet because space has been provided on chassis for speaker. Dimensions: 12" long, 7½" high and 6¾" deep. Overall finish in lustrous rubber-black lacquer. Refer to page 35 for a listing of a complete system using the Auburn a.c.-d.c. Utility Amplifier. For 110-volt operation only. Available for 220-volt and 250-volt operation on special order at slightly higher price.


List Price

Page 34
AUBURN COMPLETE A.C. SYSTEM

THE model 528-P system is designed for permanent installations wherever local power is not available. It is inexpensive and requires no maintenance. The amplifier circuit makes use of the YP1860 amplifier described on page 34, and a highly efficient dynamic speaker, within a single compact, brown plastic covered frame. The speaker measures only 13" x 6-1/4" x 9-1/2" high and wide. The system is particularly designed for voice amplification, and the reproduction is loud and clear. It is thus suitable for a demonstrator to talk to much larger audiences than would be possible without it. The microphone can be placed at any desired distance from the amplifier and speaker without loss in either volume or tone. Either hand, desk or floor type microphones can be used. Batteries are not used as the power input is furnished by the amplifier. The system can also be used with a phonograph pick-up to reproduce records, and will provide excellent results. When phonograph input is used, the microphone circuit is automatically opened. System operates on 110 volts, 50-60 cycles a.c. only.

Model 15865—Auburn a.c. system, less tubes and microphone. For 110-volts, 50-60-cycles a.c. $11.80

Model 15866—Auburn a.c.-d.c. system. For 110-volts, 50-60 cycles a.c. only. $11.80

AUBURN COMPLETE A.C.-D.C. SYSTEM

THE Auburn model 52-P system is designed for general utility loudspeaker applications where both a.c. and d.c. are used. The complete assembly is based on the YP1864 amplifier which is fully described and illustrated on page 34. Accessories used to complete the system consist of the high-quality double-button carbon mike, a dynamic speaker with proper matching transformer, a desk stand with the microphone, and all necessary cables and connectors. Designed for use in localities where both a.c. and d.c. are used, the system is well suited for use in installations such as kitchen, church, public address, and similar installations. As listed, the system is ready to operate; no other accessories need be supplied with the system. The system is simple, full instructions are furnished.

The amplifier circuit is based on one 6CS7 pentode, one 45 output tube and one 2525 rectifier. The mike is supplied from a battery built into the amplifier, so that no external power supply is required. A high-quality transformer built-in matches the output of the double-button mike to the amplifier input, providing maximum transfer of energy. A high-impedance channel, consisting of a jack on the rear of the amplifier, can be used for phone-pick-up, electric guitar or other similar input devices. When this channel is in use, the microphone circuit is automatically opened. All connections for mike and speaker are made to socket and terminal strip on rear of chassis. Amplifier measures only 13" long, 7-1/4" high and 6-1/4" deep. Rubber-black finish on chassis.

Model 52-P—Complete Auburn a.c.-d.c. system comprising one YP1864 amplifier, one YW19128 speaker with 6 ft. of cable and plug, one YN13384 double-button carbon mike, and complete set of tubes. Ready to operate. For operation on 110 volts, 50-60 cycles a.c. or 110 volts d.c. $39.07

For separate listing of accessories, see listing above.

AUBURN PORTABLE A.C.-SYSTEM

THE model 15865 Auburn portable system has an output of 3/4-watts, making it ideally suited for use in department stores, schools, and business houses where some competing noise is present. The system makes use of the YP1860 amplifier described on page 34, and a highly efficient dynamic speaker, within a single compact brown plastic covered frame. The speaker measures only 13" x 6-1/4" x 9-1/2" high. The system is particularly designed for voice amplification, and the reproduction is loud and clear. It is thus suitable for a demonstrator to talk to much larger audiences than would be possible without it. The microphone can be placed at any desired distance from the amplifier and speaker without loss in either volume or tone. Either hand, desk or floor type microphones can be used. Batteries are not employed as the power input is furnished by the amplifier. The system can also be used with a phonograph pick-up to reproduce records, and will provide excellent results. When phonograph input is used, the microphone circuit is automatically opened. System operates on 110 volts, 50-60 cycles a.c. only.

Model 15865—Auburn a.c. system, less tubes and microphone. For 110-volts, 50-60-cycles a.c. $11.80

Microphone battery is built-in. The amplifier circuit uses one 6CS7, one 1A5 and one 12AX7, providing excellent gain for the double-button carbon mike. Mike battery is built into the amplifier-no external batteries required. A high-impedance input channel, available at a jack on the rear of the chassis, can be used for phone-pick-up, electric guitar, and similar devices. When high-impedance channel is in use, the microphone circuit is automatically opened. Controls on the front panel consist of a gain control and a full range tone control. Tone control limits high-frequency response to suit the individual requirements of the user. The portable case is brown leatherette covered, and measures only 13" x 6-1/4" x 9-1/2" high.

Microphone battery is built-in. The amplifier circuit uses one 6CS7, one 1A5 and one 12AX7, providing excellent gain for the double-button carbon mike. Mike battery is built into the amplifier-no external batteries required. A high-impedance input channel, available at a jack on the rear of the chassis, can be used for phone-pick-up, electric guitar, and similar devices. When high-impedance channel is in use, the microphone circuit is automatically opened. Controls on the front panel consist of a gain control and a full range tone control. Tone control limits high-frequency response to suit the individual requirements of the user. The portable case is brown leatherette covered, and measures only 13" x 6-1/4" x 9-1/2" high.

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TECHNICAL DESCRIPTION OF AUBURN "MASTER"

An ultra-modern circuit employing five multi-purpose tubes, (2-2A6's, 2-2AS's, 1-B3), develops a peak power output of 14 watts and a normal output of 10 watts. Overall gain is 74 db (at an input impedance of 150,000 Ohms—more than enough for carbon microphones, photo pickups and other high-level devices. This new "Master" model Auburn amplifier is ideal for all average P.A. installations, amplified reproduction of phone recordings, for electric guitarists and wherever general-purpose high-quality amplification at low cost is desired for the complete unit or for component reproduction.

Incluced all modern features

There is nothing within its range to compare with it on a dollar-for-dollar basis. It includes features found only in amplifiers selling for much more than its remarkably low cost. Some of them are: supplies current for a carbon microphone, supplies a field current for dynamic speaker fields, has two inputs—high- and low-impedance, has wide-range control and many others. (For further technical details, see description at left below.)

BUILT ON STURDY STEEL CHASSIS

The entire assembly is mounted on a heavy-gauge spot-welded steel chassis finished in gleaming rubber-black and dimensioned so as to permit mounting on a rack-panel if desired. The chassis is 10 1/2" x 17" x 10" high. The entire assembly is mounted on a heavy-gauge, spot-welded steel chassis measuring 10 by 17 by 10" high.

It is finished in gleaming rubber-black and equipped with side flanges for easy mounting. The overall dimensions of the chassis are such as to permit mounting the complete unit on a standard 19" rack-panel if so desired.

The amplifier supplies field current at 32 watts into 5000 ohms, sufficient for several powerful speakers. For example, four 8-watt or six 5-watt speaker fields can be used in conjunction with this amplifier.

High and Low-Impedance Inputs

With Built-In Microphone Transformer

Supplies 32 Watts of Field Energy for Speakers

STURDY STEEL CHASSIS

The Auburn 30-watt amplifier is mounted on a heavy-gauge, spot-welded steel chassis measuring 10 by 17 by 10" high. It is finished in gleaming rubber-black and equipped with side flanges for easy mounting. The overall dimensions of the chassis are such as to permit mounting the complete unit on a standard 19" rack-panel if so desired.

The amplifier supplies field current at 32 watts into 5000 ohms, sufficient for several powerful speakers. For example, four 8-watt or six 5-watt speaker fields can be used in conjunction with this amplifier.

EXCELLENT HIGH-POWER OUTPUT

It has a peak power output of 35-watts and a frequency response that has a variation of only 2 db from 50 to 15,000 cycles—a truly high-fidelity range! Maximum output into the plate load is 30 watts.

VARIABLE OUTPUT IMPEDANCES

An oversized output impedances to match any possible speaker installation: 35/6/1.35/2/4/6/8/15/50/350/500 ohms. Two 6-prong sockets on the chassis front facilitate speaker connections.

OVERALL VOLUME AND TONE CONTROLS

Wide-range tone control is available for attenuation of the high frequencies as well as for assisting in controlling feedback difficulties. A master gain control offers efficient graduation of volume from a bare whisper to the maximum output of the amplifier. These controls are mounted on the chassis front together with the input and output connections.
The Auburn Inter-Communicating System is the latest, practicable, most efficient and fastest means of holding direct, two-way, amplified communications between two persons or departments.

KEEPS TELEPHONE LINES OPEN
It is a time-saver, labor-saver and money-saver. It keeps outside telephone lines open for incoming calls which may be important. There is no need of waiting on switchboard service or busy phone. A flip of the switch and you go in direct communication with the person you want instantly.

DESIGNED TO BE USED ANYWHERE
It has innumerable applications; from office to factory superintendent, in the restaurant from counter to kitchen, in the store from counter to stockroom, in the doctor's or dentist's office from reception desk to consultation room, and many others.

OPERATES ON 110 VOLTS A.C. OR D.C.
Plug it into any 110-volt socket, either a.c. or d.c. It requires no attachments, transformers or batteries. Current consumption is negligible—It consumes no more than a night light, and it contains no moving parts except the manually operated switch.

This system replaces obsolete or inter-office telephone system which are prohibitive in cost, and require elaborate installations and maintenance. and within, lack the qualities of this system.

EASILY INSTALLED AND OPERATED
The Auburn system consists of two similar units that are joined electrically by an easily concealed wire. All connections are made by means of simple plugs and sockets so that installation is extremely simple and in many cases requires no tools whatsoever. Many installations are completed in ten minutes.

ONE SWITCH FOR "TALK" AND "LISTEN"
Only two switches control each system—one turns the power on or off, the other is actuated for either talking or listening.

Each unit is encased in a fine hand-rubbed, piano-finished walnut cabinet measuring 10" long, 5" deep and 7¼" high.

Mixing Model Y115400—Auburn Inter-communicating System consists of two units, 50 feet of cable and necessary plugs and all tubes. Ready to plug in and operate. For 110 volts a.c. or d.c. Code: UBA NO.

Shipping weight 21 pounds.

List Price $48.00

"LINEAR STANDARD" AUDIO TRANSFORMERS

These audio components, made by the United Transformer Company, represent the closest approach to the ideal transformer from the standpoint of uniform response, low-wave form distortion, high efficiency, thorough shielding and dependability. Laboratory tests made under actual load conditions prove that this series of audio units is linear over a frequency spectrum of 9 octaves, i.e., from 20 to 20,000 cycles—actually the entire audio band.

Overall dimensions (LxWxH): type A case, 21\frac{1}{2}''x8\frac{1}{2}''x12''; type B, 3\frac{1}{2}''x4\frac{1}{2}''x2\frac{1}{2}''; type C, 5\frac{1}{4}''x5\frac{1}{4}''x\frac{5}{16}''

Mixing and Matching Transformers

Type LS-30—Mixing, carbon or moving coil microphone or low-impedance pickup to a variable-impedance line. Primary and secondary windings will match 500/333/250/200/125 or 50-ohm line. Shpg. wt. 5 lbs.

List Price $15.00

Type LS-32—Mixing, one or more moving coil microphones or extremely low-impedance pickups to a variable-impedance line. Primary impedance 60/30/22/15/10/5/2.5/1.2 ohms. Secondary impedances 333/250/200/125/60 ohms. Type A case. Shpg. wt. 6 lbs.

List Price $20.00

Type LS-33—15-watt audio line matching transformer. Input designed for 500/333/250/200/125/50/30/20/15/10/7.5/5/2.5/1.2 ohms. Type B case. Shpg. wt. 5 lbs.

List Price $15.00

Type LS-34—30-watt audio line matching transformer. Input designed for 500/333/250/200/125/50/30/20/15/10/7.5/5/2.5/1.2 ohms. Type C case. Shpg. wt. 6 lbs.

List Price $20.00

Type LS-37—Crystal microphone or pickup or high-mu triode or diode detector to line. Primary in 2 sections; overall impedance 130,000 ohms. Secondary 500/333/250/200/125 or 50 ohms. Type A case. Shpg. wt. 5 lbs.

List Price $15.00

Input Transformers

Type LS-10—Primary will match 500/333/250/200/125 or 50-ohm line as required by carbon, dynamic, ribbon or other microphones, and for low-impedance pickups. Secondary in 2 sections; overall impedance 60,000 ohms.

List Price $20.00

Type LS-12—Primary same as above unit, secondary in 2 sections; overall impedance 120,000 ohms.

List Price $20.00

Type LS-14—Primary will match one or more dynamic microphones, or extremely low-impedance magnetic or oil-damped pickups, or parallel microphones. Primary impedance 60/30/22/15/10/5/2.5/1.2 ohms. Secondary in 2 sections; overall impedance 60,000 ohms.

List Price $20.00

Low-Level Class "A" Output Transformers

Type LS-50—From a single plate like the 6CS, 6DA, 12A, 30, 31, 26, 27, 37, 55, 66, 86, W.E. 25/2 to 500/333/250/200/125/50 ohm line.

Type A case. Shpg. wt. 5 lbs.

List Price $15.00

Type LS-51—From push-pull plates (same tube listing as above) to 500/333/250/200/125/50 ohm line.

Shpg. wt. 5 lbs.

List Price $15.00

Type LS-52—Type A case

List Price $15.00

Bridging Transformers

Type LS-150—Primary 4000 ohms bridging a 50 to 600-ohm line of any level up to plus 24 db.


Type A case. Shpg. wt. 5 lbs.

List Price $15.00

Type LS-151—Primary 16,000 ohms bridging a 50 to 600-ohm line of any level up to plus 24 db.


Type A case. Shpg. wt. 5 lbs.

List Price $15.00
**LAFAYETTE RADIO MFG. CO. 100 SIXTH AVE., NEW YORK N.Y.**

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**VOLTAGE REGULATORS AND AUDIO TRANSFORMERS**

**AMPERE Line Voltage Regulators**

- Designed to maintain a steady output voltage even when input voltage varies over a wide range. Results in uniform performance and minimizes the possibility of overloading of resistors and condensers with subsonic failures. When ordering, specify type tube desired.

<table>
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<th>Maximum A m p e r i t e</th>
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**List Price** Y19101 - List Price Each $3.00

**OTT “HIPERM ALLOY” Portable Audio Units**

- Designed for portable use, these transformers are extremely compact, light weight, and have high fidelity response characteristics. Uniform from 40 to 150 A.C. to D.C. Core material, Hiperm Alloy, has inherent magnetic stability. Threaded inserts for mounting. Size: 1 1/2 x 2 1/2 x 2 1/4".

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**JEFFERSON P. A. Transformers**

- Employ the finest grade of high permeability core material. Each unit individually checked for frequency characteristics and overall performance.

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**WESTON Power Level Indicator**

- Model 301, Bake-lite case. Indicates direct relative strength of a given signal to a standard reference level of 6 milliwatts in a 500 ohm load. Self-contained rectifier providing a scale reading: 0-10/0-6 db. Meter resistance 6000 ohms. Shpg. wt. 2 lb.

<table>
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**LAFAYETTE Voltage Regulating Auto Transformer**

- A specially designed auto-transformer for stepping up low line voltages or dropping down high line voltages to correct values—115 volts. Can be used with all types of electrical equipment—prevents premature breakdowns and reduces heating. Winding of transformer is tapped for voltages from 80 to 155 volts in steps of 5 volts, thus assuring the proper output voltage irrespective of the input. The above range easily covers even unusually high or low inputs. A selector switch is used to obtain the desired voltage. Features include a built-in precision type 0-150 volt a.c. voltmeter, line fuse, two output receptacles on rear of case, six-foot approved rubber cord and plug. An "on-off" toggle switch is mounted on the front panel. All parts used in the construction of this unit are of the highest quality; continuous trouble-free service is assured. The complete assembly is housed in an attractive black, crystaline finished steel case. Color Radio Vibratone 6 $59.45. For use on 50 to 60-cycle a.c. lines only. Shipping weight 14 lb.

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**Microphone and Line Matching Transformers**

**Mike Transformer 2-Button**

- Has a turn ratio of 1:48. Impedance ratio: 2000, 4000, 6000, 8000 ohms each. Space curve from 30-7000 cycles. 3 1/2" x 3 3/4" x 4". Shpg. wt. 2 lb.

<table>
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<tbody>
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**Line Matching Transformers**

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<tr>
<td>Y1467-177</td>
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<tr>
<td>Y1467</td>
<td>$2.25</td>
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</tbody>
</table>

**Line to Voice Coil Transformers**

- Strap mounting unit (at left) having ideal 1/4" or 5/8" voice coil to 250 or 500 ohm line or across a 5000 ohm load. Size 2 1/2 x 2 1/2". Shpg. wt. 2 lb.

<table>
<thead>
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<tr>
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**WESTON A.C. Voltmeter**

- Model 475, 3 Mm. diameter. Moving iron type, for a.c. 250 or 500 volt metering. Has a range of 0-150 volts. Shpg. wt. 4 lb.

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**UTC VARISTONE**

- A revolutionary audio device which permits highly accurate control of audio response. Enables tone correction of emphasis of high or low notes, or both. Makes phono and radio reception more pleasant and more realistic. Suited for adaptation to theatre sound equipment. Will help attenuate "howl" that causes reverberation. Type VT-1 and VT-2 used in conjunction with a 50,000 ohm potentiometer. Technical details, including all possible tone variations (curves) sent on request. Shpg. wt. each, 2 lb.

**List Price**

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**New UTC VARISTONE**

*Integrated into line to voice coil transformers.*

---

**LATENS**

- Special heavy duty matching transformer (at right) has coil wound on 1/4" core of high permeability iron. 250 or 500 ohm line or 1/4, 1/2, 2, 2.5, 10, 15, 20 ohm voice coil. Upfront mounting. Size 5 1/2 x 2 1/2 x 2".

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BRUSH

Sound Cell Microphones

Model B2S—2 Cell
Uses two piezo-electric crystals connected in series. Excellent frequency characteristics. Ideal for P.A. and broadcast use. Output level—66 db. High impedance; no input transformer needed. In cast aluminum case with screens finished in satin chrome plate. Case 3½ x 1⅜ x 5 inches. With 15 feet of cable. With three prong plug and socket. Shpg. wt 2 lbs. $45.00
List Price

Model BR2S—Globe Type
A high quality two-cell microphone affording 90° non-directional sound pick-up. For P.A., broadcast and transmission work. Case 2¼ diameter, finished in dull chrome plate. Output level—66 db. Complete with locking type plug and socket connector, in-line suspension or stand mounting. Wt 7¼ lb with free response. Shipping weight 2 lbs. $47.50
List Price

Model G2SP—4 Cell
An all around, general utility mike used extensively in P.A. installations and in broadcast studios. Four sound cells are housed in a woven mesh, corrosion resisting metal mesh frame. Case ⅛ x 3 x 3½ inches. Case fitted with chromium plated brass sockets with screw attachment for connecting to stands; ⅛-27 thread. Output level—74 db. Response practically flat from 40 to 10,000 c.p.s. High fidelity frequency response. Shipping weight 1 lb. $65.00
List Price

Model G4SP—24 Cells
One of the finest microphones available for commercial use. Similar in appearance to the above described model. Use 24 sound cells housed in a woven mesh metal case provided with screw attachment for stand mounting; ¼-27 thread. Size ½ x 3 x 2½ inches. Output level—64 db. Response essentially flat throughout entire frequency range. High impedance. Free from distortion. Can be used for output or input. Has very smooth sound quality affecting tone of quality. Diagrams and instructions included. Shpg. wt 2 lbs. $135.00

Model T2SP—Pulpit Mike
Use four sound cells in a cast aluminum case finished in black crackle. Base, 3¼ x 4½ inches flat on deck or table. Front of case at a 30° angle with a woven wire mesh screen. Case fitted with compression bushing to clamp cable tightly. Ideal for use in lecturns and pulpits in churches and for similar service. Output level—74 db. Wide frequency response. Shipping weight 2 lbs. $45.00
List Price

Model T2SP—Stage Mike
Uses 8 sound cells in a case identical with the above. Both provided with two compression bushing illustrated. Two or more are usually mounted at foot of stage approximately 4½ ft. apart. Two or three can be connected in series. Output level—68 db. Wide frequency range. High impedance. Shipping weight 2 lbs. $60.00
List Price

Lafayette P.A.

Velocity Microphones

Model X2S—50 ohms Impedance
Designed for P.A. use where high quality speech or music is desired. Features new triple shielding, eliminating any possible source of hum pickup. Supplied with shock absorber coupling. Normal response flat within ±2 db from 40 to 10,000 c.p.s. Output level—64 db (open line). All furnished with 12 feet of special flexible rubber covered cable. Shpg. wt 8 lbs. $50.00
List Price

Model X2C—200 ohms Impedance
List Price Each, Any Type $29.90

Model X2—High Impedance
Per small or average P.A. installations where wide range response is not required. Frequency characteristics not quite so good as those listed above. Output level—64 db (open line). Supplied with 12 ft. of cable. Shpg. wt 8 lbs. $41.00
List Price

UNIVERSAL Velocity Mikes

Newly developed velocity microphone incorporating many distinctive construction features in addition to fine electrical characteristics. Are compact, measuring only 2¼x φ ½ inch. Used in a "V" assembly that allows swiveling of head to any angle. Assembly beautifully finished in black enamel and artistic chrome plate. Mounting fixture threaded for ⅛-27 stands. Not affected by excessive wind or humidity. Response practically flat from 40 to 10,000 c.p.s. Can be used alone or as input to an amplifier. With 6 inches of cable. Shipping weight 8 lbs. $37.00
List Price, Either Type $32.50

Model X1S—24—Double button
Plug-in type stand coupling. $2.00

Model X1S—24—Single button

Handi-Mike

Designed for use with portable P.A. systems and other equipment. Gold contact faces. On-off switch in handle 2¼ long, head diameter 2½ inches. Has "hang-up" eye. Excellent frequency response. Complete with 3 ft. Flexible cable. Shpg. wt 2 lbs. $10.00
List Price

"Handi-Mike"

List Price

Phone Box

Especially designed for all types of call systems used in restaraunts, stock rooms, offices, etc. Also for use with Model "X" mike listed above. Grained panel provided with "press-to-talk" button, a green "OK" signal and a red "in use" signal. Shpg. wt 6 lbs. $31.00
List Price

AMPERITE

Velocity Microphones

A full line of velocity microphones for every purpose. All feature new triple shielding that eliminates every possible source of hum. Use super-flux nickel aluminum magnet—finds finest available. Complete instructions and diagrams furnished with each unit. All with ⅛-27 threaded fitting.

Model RB-H
High impedance type. This model is especially designed for use where the highest quality is required. Response flat from 40 to 10,000 c.p.s. Within ±2 db over the entire audible range. Free from back-ground noises; no frequency discrimination with angle from center. In rugged bronze and steel case. Output level—68 db, (open line) with 8 feet of flexible rubber covered cable. Shpg. wt 8 lbs. $32.00
List Price

Model RB-B
Similar to the above, but beam type (directional). Shpg. wt 8 lbs. $42.00
List Price

Model RB-M
Recommended for speech and music. Response ±2 db from 40 to 10,000 c.p.s. Output level—64 db (open line). With 8 feet of special flexible rubber covered cable. Shpg. wt 8 lbs. $32.00
List Price

Model RB-S
Especially designed for speaking; can also be used for music. Output—68 db, open line. With 8 feet of special flexible rubber covere cable. Shpg. wt 8 lbs. $32.00
List Price

Model RS-5
Similar to the above, but beam type (directional). With 8 foot cable. Shpg. wt 8 lbs. $32.00
List Price

Model SR-80
One of the finest velocity microphones available for use wherever excellent quality is required. Response flat from 40 to 10,000 c.p.s. ±1 db over the entire audible range. Free from background noises; no frequency discrimination with angle from center. In rugged bronze and steel case. Output level—85 db, (open line) with 160 feet of rubber covered cable. Complete with 25 feet of special cable. Shipping weight 10 lbs. $32.00
List Price

Professional

Model SR-80
One of the finest velocity microphones available for use wherever excellent quality is required. Response flat from 40 to 10,000 c.p.s. ±1 db over the entire audible range. Free from background noises; no frequency discrimination with angle from center. In rugged bronze and steel case. Output level—85 db, (open line) with 160 feet of rubber covered cable. Complete with 25 feet of special cable. Shipping weight 10 lbs. $32.00
List Price

Junior Velocity Microphone

Approximately the size of a matchbox; only ⅞ x 1⅛. Sensitivity equal to most expensive types of velocity microphones. Response range from 60 to 10,000 c.p.s. (transformed, if used in ease. Output level—68 db (open line). Can be clipped on with a "V" clip; no shoulder strap furnished. Shpg. wt 2 lbs. $10.00
List Price

Model Y2S—200 ohms Impedance
With 15 ft. of rubber covered cable. $50.00
List Price

Model Y2S—1000 ohms Impedance
With 25 ft. of rubber covered cable. $50.00
List Price
**PIEZO ASTATIC "MIKES"**

- **Model D-2**
  - Double diaphragm type crystal unit.
  - Output level: 64 db. Response flat from 40 to 4000 c.p.s. Excellent response characteristics.
- **Model D-104**
  - Single diaphragm type. High impedance; requires no matching transformer. Output level: 75 db. Excellent response characteristics.

**SHURE BROS. "MIKES"**

- **Diaphragm Type Model 70H**
  - Improved type crystal head with close fitting rings and a "quickway" hooks. Response from 30 to 10,000 c.p.s. Output level: 60 db. Supplied with 7 ft. of cable. Shpg. wt. 6 lbs.
  - List Price: $27.50

**Duo-Diaphragm Type Model K-2**

- Arranged so that the front and rear diaphragms are opposite to each other. Crystal dia. 1 1/4" thick. Fitted with 6 ft. of cable. Fitting has 7/27 thread. Shipping weight 2 lbs.

**Special Contact Mike**

- A suppressive direct contact mike not dependent upon air in the transmitting medium. Ideal for detection work or reproduction from stringed instruments. Output level: 60 db. Approx. diameter, 3/8" thick. Chrome finish. Supplied with 6 ft. flexible connecting cord. Shipping weight 1 lb.

**Lafayette Carbon Mike**

- A very efficient two-button carbon microphone which will give entirely satisfactory service. Frequency response to 4000 cycles, 200 ohms per button. Chromium plated brass frame. Alloy diaphragm with 24K gold contact points. 2" diameter. 2" thick. Shipping weight 4 lbs.

**TRIMM Single Unit Telephone**

- A Featherweight earphone provided with an adjustable spring steel head band. Ideal for all types of hearing equipment in theaters, etc. Impedance 2500 ohms. Shpg. wt. 2 lbs.

**TRIMM Lornetge Phone**

- Comprises a single unit featherweight phone mounted on a lornetge handle. Used for group installation in churches, theaters, lodges, etc. Impedance 2500 ohms; other impedances on order at no extra charge. Shpg. wt. 4 lbs.

**Outlet Box for Phones**

- Designed for group installations in theaters, assembly halls, etc. Consists of a box 3x2x1", containing one contact handle. Each box has back. 2 sizes, depending on number of boxes used.

**HEARING AID ACCESSORIES**

- **Lafayette Radio MFG. CO. • 100 SIXTH AVE. NEW YORK N.Y.**
Three-Way Connectors

For use with any three wire circuit. A molded Bakelite handle. Contacts are solid brass.

List Price, Set of 8

Three-Way Jack

This unit is constructed of brass, heavily nickel-plated. For use with a phone plug for any circuit having three wires.

List Price

Microphone Springs

Tempered steel, with loop ends.

List Price, Set of 8

Granules For Carbon Mikes

Sufficient to refill one 2-button Moss Microphone (M1415). One ounce.

List Price per Capsule

Desk Stands For Carbon Microphones

Type as listed, yet of high quality. Has octagon shaped ring. Provided with 8 springs. Ring removable. Height 9". Finished in wrinkle black enamel. 7/8" pipe thread. Shpg. wt. 10 lbs.

List Price

Type B

Desk Stands For Crystal & Velocity Microphones

Stand shown at left has ball and socket joint which permits the microphone to be tilted at any angle. Stands 9" high, base is 6¼" in diameter, and stem is 1½" in diameter. Thread ¾"-27 to ¾" pipe. Highly polished chrome. Shpg. wt. 6 lbs.

List Price

Type A

Banquet-Type Stands


List Price


List Price

Low Impedance, Velocity Mike Cable

Consists of two conductors, color-coded in a closely woven tin-nickel shielding with outer covering of rubber. Ideal for outdoor use. Abrasion proof. Shpg. wt. 6 lbs. per 100 feet.

List Price

Mike Stand Reducers & Swivels

List Price per Unit

Any Type Listed Below

Swivels

Reducers

List Price

Floor Stands for Velocity and Crystal Microphones


List Price

Yaxley All-Shielded Extension Jack & Plug

For Crystal & High Impedance Velocity Mike Cables

Provides completely shielded connection for any shielded single conductor cable. Brass shell and braid. Shpg. wt. 1½ lbs. Overall length when connected 5½".

List Price

2-Wire Heavy-Duty Shielded Jack & Plug

For Crystal & High Impedance Velocity Mike Cables

A heavy-duty two-wire plug and jack made of molded Bakelite with heavily armored metal caps. Very sturdy made. They are ideal for use with portable P.A. systems. Finished in black crackle with chromium plated cable grips. Plug measures overall 2⅞" long, 1½" wide, ½" deep. The plug is over-all 2⅞" long, width and depth as for plug. Shpg. wt. per set, 1 lb.

List Price

Desk Stands for Carbons

Type A: Low priced, yet of high quality. Has octagon shaped ring. Provided with 8 springs. Ring removable. Height 9". Finished in wrinkle black enamel. 7/8" pipe thread. Shpg. wt. 10 lbs.

List Price

Type B

Desk Stands for Microphones


List Price


List Price

Reliable Equipment at Reasonable Prices

Three-Way Connectors For Carbon Mikes

For quickly connecting double button microphone or any three wire circuit. Has a molded Bakelite handle. Contacts are solid brass. Plated. For use heavily nickle plated.

List Price

Ym13292

List Price

30¢

80¢
Public Address Units and Trumpets

LafayetteVari-Acoustic Weatherproof Trumpet

Permits adjustment of low-frequency response by control of back-pressure. Takes any dynamic speaker up to 12" diameter (Rola C-12, Jensen-L-12, etc.). Built throughout of weatherproof material. Finished in bright aluminum. Speaker opening, 13x13x10434; opening at bell, 34x20", length, 47", 6 volts. Handle cover and mounting brackets. Shpg. wt. 20 lbs.

YW2096-
List Price $31.90

Lafayette Special Field Supply for 6-Volt Units

This long-life field supply will furnish current for three 6-volt fields from a 12-volt, 60-cycle, a. c.
line. Output is 6 volts at 3.5 amperes d. c. in well filtered and hum-free. Measures 12" wide, 6" deep, 4 1/4" high. Steel chassis finished in black, rubber black, with screen cover. Terminal output.

With cord and plug. Shpg. wt. 11 lbs.

YW19309-
List Price $29.00

Lafayette New! Improved! Electro-Dynamic Driver Unit

The latest development in the field. Far ahead of all other speaker-driver units and quality. The diaphragm is spun from sheets of the finest grade of duraluminum. Sound output is exceptionally high in relation to the electrical input. The result of careful placement of the voice coil in the magnetic field and its powerful field flux. Voice coil impedance is 15 ohms at 1000 cycles. 20 watts continuous operating capacity, 25 watts peak. 6 to 8-volt field draws 1.5 amperes at 6 volts. Will withstand hard usage and all weather conditions. Male thread (13/16" - 18) fits trumpets. Shpg. wt. 19 lbs.

YW19358 - List Price $25.00

Lafayette Trumpets

Completely Assembled A new 100% weatherproof trumpet guaranteed for two years, minute expected. Made of a special all-weather, non-resonant material and finished with solid brass belling. Detachable aluminum tone arm threaded for unit. Square bells 30x30 " Finshed in bright aluminum. 6 ft. long. Shpg. wt. 25 lbs.

YW20047
Model L-72. List Price $42.50
64" long. Shpg. wt. 19 lbs.

YW20046
Model L-54. List Price $35.00
43" long. Shpg. wt. 16 lbs.

YW20045
Model L-43. List Price $30.00

Lafayette All-Metal

All Weather-Proof Trumpet with Flange Mounting

Takes all dynamis up to 12" diameter. Built to last a lifetime to U. S. Navy specifications. All-metal exterior, silver finished. Weather and rust-proof. Ceotex lining. 4 feet and longer. Pecker housing 13x13x 103/4", Shpg. wt. 28 lbs.

YW20066 - List Price $59.00

RACON Cone Units and Trumpets

RACON "Master" Dynamic Horn Unit

Three powerful dynamic units are standard equipment for all quality indoor and outdoor installations and are designed especially for use with trumpets. The "Master" is especially adaptable for installations where heavier units are not required. Requires 6 to 8 volts field excitation, and consumes 1.1 amperes at 6 volts. Voice coil impedance 15 ohms at 1000 cycles. Handles 20 watts continuously, 50 watts maximum. Supplied less coupling transformer. Shpg. wt. 18 lbs.

YW19366-
List Price $44.00

RACON "Super-Giant" Unit

Particularly adapted for theatre and auditorium where extreme fine quality is desired. Voice coil impedance 15 ohms at 1000 cycles. Field consumption 1400 watts and 25 watts continuously, peak capacity 60 watts. Supplied less coupling transformer. Shpg. wt. 20 lbs.

YW19754-
List Price $66.00

RACON 3 1/2 Foot Indoor Trumpets

Non-Resonant Construction

Racon reproducers are constructed of the finest hardened impregnated fabric. They are absolutely non-resonant, are capable of flawless reproduction, and are famous for their long-life. They are female-threaded to take the above or similar units, and can be used for theatre, auditorium, etc.

22" Bell

Regular Model—This trumpet is equipped with a rolled metal beaded edge, metal ferrule and suspension ring. It is equipped with a female thread for 1 1/4"-18" threaded unit. It is 8½ feet in length and the diameter of its bell is 22".

YW19790 - For indoor use only. Shpg. wt. 10 lbs.

De Luxe Model—This trumpet is equipped with a reinforced cast aluminum arm, thus increasing the acoustic efficiency as well as the mechanical strength of the throat. Otherwise, similar specifications to above. Shpg. wt. 17 lbs.

YW19789 - For indoor or temporary outdoor use.

List Price $22.00

List Price $27.50

D.C. Speaker, Model 790

Large 10" d. c. speaker. Equips a universal output transformer, voice coil impedance, 5.05 ohms at 400 cycles, operating capacity 9 watts maximum. Field coil resistance 2500 ohms, dissipates 6 watts minimum. 12 watts maximum. Cone 8", outside diameter of cone bracket 10 1/8", depth 1 1/2". Equipped with hum-bucking coil, bright cadmium finish. Cone is concentrically ridged.

YM19158 - Shpg. wt. 6 lbs.

List Price $7.90

Model 630 D.C. Speaker

A high-quality loud speaker similar to above, but 8" in diameter. Voice coil impedance 8.58 ohms at 1000 cycles. handles 8 watts continuously. Field coil resistance, 2500 ohms, dissipates 8 watts minimum. 9 watts maximum. Has a universal transformer and hum-bucking winding. Finished in bright cadmium plate. Cone impregnated 8 1/2" diameter, depth 4". Cone is ridged.

YW19160 -
List Price $6.30

YM19162 - Less tube

List Price $4.70

A. C. Field Supply Model 470

Operates on 110 volts, 25, 50 or 60 cycles a.c. Delivers 100 ma. at 140 volts d. c. Ideal for above. Finished in black. 8½x2 1/2x11". Shpg. wt. 4 lbs.

YW19363 -
List Price $4.70

List Price 2525 Rectifier. List Price .99c

Wright De Coster SPEAKERS PARA-CURVE 12" Dynamic Speaker Model 1750

New and novel cone construction eliminates subharmonics and anomalies eliminating h.f. cancellation, thus extending range of speaker further into the higher frequencies. Voice coil impedance, 2.6 ohms at 400 cycles; universal output transformer; field resistance, 2000 ohms, dissipates 9 to 16 watts maximum.

YW19395 - Shpg. wt. 17 lbs.

List Price $17.50

D.C. Speaker, Model 790

Large 10" d. c. speaker. Equips a universal output transformer, voice coil impedance, 5.05 ohms at 400 cycles, operating capacity 9 watts maximum. Field coil resistance 2500 ohms, dissipates 6 watts minimum, 19 watts maximum. Cone 8", outside diameter of cone bracket 10 1/8", depth 1 1/2". Equipped with hum-bucking coil. Bright cadmium finish. Cone is concentrically ridged.

YM19158 - Shpg. wt. 6 lbs.

List Price $7.90

A.C. Field Supply Model 470

Operates on 110 volts, 25, 50 or 60 cycles a.c. Delivers 100 ma. at 140 volts d. c. Ideal for above. Finished in black. 8½x2 1/2x11". Shpg. wt. 4 lbs.

YW19363 -
List Price $4.70
To insure prompt delivery and avoid error by the Post Office, please make certain that our full name, Wholesale Radio SERVICE Co., Inc., appears on the envelope.

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Please give here shipping point if different from above; or, other additional shipping instructions.

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Shall we make partial shipment if we are temporarily short of any items. □ YES

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IMPORTANT: To avoid delay in shipment and to get prompt response, use separate sheet for all inquiries and correspondence having no immediate connection with this order.

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C.O.D.  

INCLUDE SUFFICIENT MONEY FOR POSTAGE. WE REFUND UNUSED AMOUNTS. ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
**Chicago**
901 W. Jackson Blvd.
Serving the West and Middle West

**New York**
100 Sixth Avenue
Serving the East

**Atlanta**
430 W. Peachtree St.
Serving the South and Southwest

---

**Shipping Information**
Postal charges are based on weight of parcel and distance from shipper’s city to consignee’s address. The rates are determined by zones. Each zone comprises a certain mileage radius from the point of shipment. You can easily estimate the postage costs from our nearest warehouse to your town from the following chart. If in doubt about the zone you are in from our nearest warehouse, consult your local postmaster.

### Parcel Post Rates for Various Zones

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</table>

**Rates Subject to Change by U.S. Postal Authorities**
Parcel post shipments to all zones must not exceed 70 pounds. The limit of size on all parcel post packages is one hundred inches in length and girth combined. Example: a package 25 inches long, 10 inches wide and 6 inches high, measures 65 inches in length and girth combined. (Length 25 inches plus 2 x 10 inches width plus 2 x 6 inches height, equals 65 inches.)

**Insurance**
All parcel post packages are covered against damage or loss. Insurance costs and postage should be added to the amount sent. Charges are as follows:

- When value of parcel is up to $5.00, charge is 5c.
- Between $5.00 and $25.00, charge is 10c.
- Between $25.00 and $50.00, charge is 15c.
- Between $50.00 and $100.00, charge is 25c.
- After $100.00 value, the charge for each $50.00 additional is 5 cents extra

If you are doubtful as to the correct amount do not hesitate to send us sufficient postage. WE GUARANTEE to refund any excess remittance.

**C.O.D. Shipments**
Transportation charges on C.O.D. parcels are slightly higher than those fully prepaid. C.O.D. charges in addition to the regular postage costs outlined are as follows including insurance:

- When value of parcel is up to $5.00, extra charge is 15c.
- When value of parcel is between $5.00 and $15.00, extra charge is 25c.
- When value of parcel is between 15.00 and 30.00, extra charge is 35c.
- When value of parcel is between 30.00 and 50.00, extra charge is 45c.
- For each $50.00 value above $250.00, the charge is 1c more (including insurance). The Post Office also charges an extra small money order fee on each C.O.D. parcel.

**Express Charges** are also determined by weight of shipment and distance of consignee from shipper. The following chart enables you to estimate express charges.

<table>
<thead>
<tr>
<th>Maximum Distance in miles</th>
<th>50 Ml</th>
<th>150 Ml</th>
<th>300 Ml</th>
<th>500 Ml</th>
<th>750 Ml</th>
<th>1000 Ml</th>
<th>1500 Ml</th>
<th>2000 Ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>up to 5 lbs.</td>
<td>20.50</td>
<td>41.10</td>
<td>55.40</td>
<td>60.60</td>
<td>66.50</td>
<td>75.90</td>
<td>94.60</td>
<td>109.70</td>
</tr>
<tr>
<td>10 lbs.</td>
<td>47.30</td>
<td>94.60</td>
<td>138.90</td>
<td>157.80</td>
<td>178.60</td>
<td>203.70</td>
<td>257.10</td>
<td>307.90</td>
</tr>
<tr>
<td>15 lbs.</td>
<td>35.50</td>
<td>71.00</td>
<td>115.30</td>
<td>133.20</td>
<td>154.10</td>
<td>180.20</td>
<td>224.70</td>
<td>270.90</td>
</tr>
<tr>
<td>20 lbs.</td>
<td>31.50</td>
<td>63.00</td>
<td>107.30</td>
<td>125.20</td>
<td>146.00</td>
<td>172.10</td>
<td>216.60</td>
<td>262.90</td>
</tr>
<tr>
<td>25 lbs.</td>
<td>27.50</td>
<td>55.00</td>
<td>99.30</td>
<td>117.20</td>
<td>138.00</td>
<td>164.10</td>
<td>208.60</td>
<td>254.90</td>
</tr>
<tr>
<td>30 lbs.</td>
<td>23.50</td>
<td>47.00</td>
<td>81.30</td>
<td>99.20</td>
<td>120.00</td>
<td>146.10</td>
<td>190.60</td>
<td>236.90</td>
</tr>
<tr>
<td>35 lbs.</td>
<td>19.50</td>
<td>39.00</td>
<td>63.30</td>
<td>81.20</td>
<td>102.00</td>
<td>128.10</td>
<td>172.60</td>
<td>218.90</td>
</tr>
<tr>
<td>40 lbs.</td>
<td>15.50</td>
<td>21.00</td>
<td>35.20</td>
<td>43.10</td>
<td>54.90</td>
<td>67.00</td>
<td>91.50</td>
<td>117.80</td>
</tr>
<tr>
<td>45 lbs.</td>
<td>11.50</td>
<td>17.00</td>
<td>27.40</td>
<td>35.30</td>
<td>46.20</td>
<td>59.40</td>
<td>83.90</td>
<td>104.30</td>
</tr>
<tr>
<td>50 lbs.</td>
<td>7.50</td>
<td>12.00</td>
<td>19.80</td>
<td>24.70</td>
<td>29.60</td>
<td>40.10</td>
<td>53.80</td>
<td>67.50</td>
</tr>
<tr>
<td>55 lbs.</td>
<td>3.50</td>
<td>7.00</td>
<td>10.80</td>
<td>13.70</td>
<td>16.60</td>
<td>21.10</td>
<td>28.20</td>
<td>34.30</td>
</tr>
<tr>
<td>60 lbs.</td>
<td>3.50</td>
<td>7.00</td>
<td>10.80</td>
<td>13.70</td>
<td>16.60</td>
<td>21.10</td>
<td>28.20</td>
<td>34.30</td>
</tr>
</tbody>
</table>

**Express Insurance Rates**—For shipment values under $50, no extra insurance charge. For values of $50 to $100—10c. For each additional $100 value or portion thereof—10c.

**Radio Sets Should be Ordered Shipped by Express Only**

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**Do You Receive Duplicate Copies of Our Catalogues?**
If so please fill in below the names to which we mail. Your cooperation will help us serve you better. Thank you!

Box No. 1 Should indicate your name and address as it should appear on our records.
Box No. 2 Should show name and address to which we mail Box No. 3 (duplicate copies of our catalogues).

My Name Should Appear On Your Mailing List As Follows

**Box No. 1**

<table>
<thead>
<tr>
<th>Print Name in Full</th>
<th>Street Address</th>
<th>R.F.D.</th>
<th>P.O. Box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Box No. 2**

<table>
<thead>
<tr>
<th>Print Name in Full</th>
<th>Street Address</th>
<th>R.F.D.</th>
<th>P.O. Box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Box No. 3**

<table>
<thead>
<tr>
<th>Print Name in Full</th>
<th>Street Address</th>
<th>R.F.D.</th>
<th>P.O. Box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If your WHOLESALE RADIO SERVICE Catalogue is lost or mutilated, FREE REPLACEMENT COPY will be sent immediately upon request.
NEW! WRIGHT de COSTER “Nokoll” Dynamic Reproducer

Requires no field current because it has no field coil, yet equal to and cheaper than electro unit of the same size and quality. Ideally suited for use in all types of call systems and multi-speaker installations. Eliminates the need for additional voice coils, transformer bobbin, and additional apparatus. Furnished with universal transformer to match all tubes, tube and metal rectifiers for 250 and 500-ohm lines available on order.

YW19140—Model 700, 6" type. Outside diameter of cone bracket 5 3/8", depth 2 1/4". Shipping weight 6 lbs. List Price $7.00

YW19151—Model 670, 8" type. Shipping weight 6 lbs. List Price $7.60

WRIGHT de COSTER “Hyflux” Magnetics

Built to exacting requirements to provide the utmost in frequency range, tone quality and performance. An excellent speaker for use with “talk-back” call and inter-communication systems, as well as for hotel and office installations. Ideal for those systems of low initial cost, requires no field excitation apparatus or energy, or additional wiring for field supply circuit. Technical features include a one-piece seamless combine metal dust-proof cover over movements, easily accessible adjustable screw for instantaneous screwdriver adjustment, Bakeelite cone form and Teflon coated metal frame.

High Impedance—10,000 Ohms

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>YW19146—6&quot; cone</td>
<td>10,000 ohms</td>
<td>4.00</td>
</tr>
<tr>
<td>YW19147—6&quot; cone</td>
<td>10,000 ohms</td>
<td>4.50</td>
</tr>
</tbody>
</table>

Lafayette Portable P.A. Speakers

Set of two quality speakers, each mounted as illustrated. Both units combine to form an attractive black fabric-encased covering carrying case shown in insert. Measures overall 1 19/8 x 11 1/4 x 6". Each speaker is equipped with 50 ft. of rubber-covered cable terminated with a 6-prong rubber-covered plug. Case is reinforced with nickel-plated metal corners. Has leather carrying handle and nickel-plated snap locks.

WITH LAFAYETTE Speakers Model 1942-PP—With 2 ROLA G-12 a.c. speakers described on this page. Shpg. wt. 63 lbs. List Price $88.00

NEW! JENSEN 18" High-Fidelity Electro-Dynamic Speakers

The finest and most advanced reproducer today. Especially suited for theatres, music halls, etc., where the utmost in quality reproduction is absolutely essential. It is capable of producing tremendous power inputs—20 TO 25 WATTS CONTINUOUS WITHOUT SACRIFICE IN QUALITY—and so is ideal for conditions where high power with few speakers is desired. High-frequency range extends to 9000 cycles without noticeable loss in the middle and low frequencies. Voice coil 8 ohms at 400 cycles. Field coil wattage, 20 minimum, 25 normal, 30 maximum. Employs a radically new cone made up of sections of different materials. Overall dimensions, 18 1/4" in diameter, 11 1/4" deep. With 500-ohm input. For 110 volts, 60 cycles a.c. See page 44 for suitable baffles.

YW19157—Model RF-18AC. Shpg. wt. 78 lbs.

List Price $92.50

This new, remarkable speaker is available in low-frequency and high-frequency models, for a-c and d-c operation, and for any desired input impedance. Write for full details and prices.

NEW! JENSEN "O" High-Frequency Dynamics

The finest electro-dynamic "tweeter" model. Direct radiator type with curvilinear cone, for use with high-fidelity systems in theaters, broadcast studios, musical instruments and quality P.A. work. 1200 to 8000 cycles (models up to 18,000 cycles available), 10,000 cycles. Must be operated from filter. Handles 5 watts, peak, 10,000-ohm field operates from external field supply. Field wattage, maximum 8, normal 6, minimum 5. Shpg. wt. 7 lbs.

Model O Filter For Above Speaker

List Price $20.00

Model F9 Filter. Shpg. wt. 3 lbs.

List Price $12.00

JENSEN "O" high-frequency speakers are also available with cut-offs up to 18,000 cycles, with a-c and d-c fields, and with desired input impedance. A special model is designed for use with high-quality receivers. Also, special variable filters are available for frequencies up to 18,000 cycles. Write for details.

Two speakers designed to meet the demand for high-fidelity reproduction. Both use a full 12" cone. Essentially flat response 50-8000 cycles with less than 10 db variation. Voice coil 8 ohms. Transformer for both a.c. and d.c. models for 250 and 500-ohm lines. Other inputs at slight additional cost. 12 1/4" wide, 12 1/4" high, 7 1/4" deep. Shpg. wt. 26 lbs.

D.C. Models

All fields take a "Y" voltage, as follows: 675-ohm for 110 volts, 1000-ohm for 140 volts, 2500-ohm for 225 volts, 200-ohm for 6 volts. Stock

Field Stock Field

No. Ohms No. Ohms

YW19240—675 YW19243—1000

YW19245—2500

YW19244—2

List Price $25.00

As above, but with special laphayete exciter unit using 83 rectifier tube. For 110-volt, 60 cycle a.c. operation. Shpg. wt. 30 lbs.

YW19301—Low tube. List Price $29.00

83-type tube. List Price $5.00

WRIGHT de COSTER Model 2050 Speaker and Trumpet Combination

For the average P.A. installation where cost is the primary factor but quality is still essential. Ideal for the reproduction of voice and music at outdoor gatherings, small auditoriums, hotels, banquet halls, etc. Trumpet is sturdy and constructed of Innsulite, and finished in attractive silver. Exterior is weatherproofed. Has screen across bell opening. Built-in 6" Dynamic Speaker. Voice coil impedance 8.2 ohms. Handles 4 to 5 watts continuously. Field wattage 9 to 11 watts. Overall length 27 1/4", bell opening 22 3/4 x 14 1/2". Supplied less voice coil transformer.

YW19188—Model 2050 with 1000-ohm ohm-field. Shpg. wt. 20 lbs. List Price $20.50

YW19189—Model 2050 with 6 volt field. List Price $20.50

YW19190—Model 2050 with 1000-ohm ohm-field. Shpg. wt. 20 lbs. List Price $20.50

YW19191—Model 2050 with 6 volt field. List Price $20.50

YW19192—Model 2050 with 1000-ohm ohm-field. Shpg. wt. 20 lbs. List Price $20.50

YW19193—Model 2050 with 6 volt field. List Price $20.50

YW19187—Model 2050 with 1000-ohm ohm-field. Shpg. wt. 20 lbs. List Price $20.50

List Price, Either Model $20.50

YW19195—Model 2050 with 6 volt field. List Price $20.50

YW19196—Model 2050 with 1000-ohm ohm-field. Shpg. wt. 20 lbs. List Price $20.50

YW19197—Model 2050 with 6 volt field. List Price $20.50

YW19198—Model 2050 with 1000-ohm ohm-field. Shpg. wt. 20 lbs. List Price $20.50

YW19199—Model 2050 with 6 volt field. List Price $20.50

YW19233—6000-ohm Field. List Price $10.90

Lafayette SPECIAL

12" A.C. and D.C. P.A. Speakers

Wide-range response. 12" cone. Voice coil impedance 2.7 ohms at 400 cycles. Handles 8 watts continuously. Employes a specially designed field exciter unit using a 2525 tube. Further input transformer tagged for 250 and 500-ohm lines. 12 1/4" high, 12" dia. For 110-120 volts, 50-60 cycles. Shpg. wt. 10 lbs. List Price $19.24

D.C. Models

Similar to above, but less exciter. Field requires 5 to 8 watts. Shpg. wt. 9 lbs.

YW19232—2500-ohm Field. YW19151—6-volt Field YW19234—6000-ohm Field. List Price, Any D.C. Model $10.90

RELIABLE EQUIPMENT AT REASONABLE PRICES

43
**SIMILAR TO ABOVE, FLARED ALL SIDES.**

**BELL 24 X 36"**
- Length: 37' 10'
- Opening: 14' 18%" (inside), with 15' 11" inside diameter
- Weight: 4 lbs.

- Designed to house the new giant Samoan with cone diameters up to 18". Entire assembly is weather-proof, smooth, and finished. Bell opening 48x32"; speaker housing 11x15x14%" (inside), with 15x14%" diameter and 15" inside diameter in a bell baffle (other hole sizes on order at same price.) Shpg. wt. 70 lbs.

**ALL-ALUMINUM "DOME" Baffle**

**$9.00**

**Y20063—List Price Each**

**Weatherproof snap-on cover.**

**Y20062—List Price Each**

**ADAPTER RINGS.** For reducing size of opening. State size when ordering.

**YY2045—List Price Each**

**75¢**

---

**DOMESTICATE**

**FLARED Baffle**

**BUILT-IN ROLTA G-12 Speaker**
- Same as above, but with a.c. model ROLTA G-12 speaker. Field supply uses two 2525 tubes. Supplied complete with a transformer for 250-500 ohm line. Shpg. wt. 34 lbs.

**$20.90**

**YY2059—List Price Each**

**Similar to above, flared all sides. Bell 24x36"; length 25' 10"; Stand finished with offset spade bolts. 14" deep, 30x18" bell.**

**$11.50**

**YY2009—List Price Each**

---

**CELOTEX SPEAKER BAFLES**

**Any size hole can be had, to your specification. No additional cost. When ordering specify size hole desired.**

- Shpg. wt. 25 lbs. per sq. ft.

**1/4" Thick**
- Stock| Size| Hole| List Price
|---|---|---|---|
| YY1989| 16x16| 7/4" or 9"| $1.35
| YY1991| 16x16| 7/4" or 9"| $1.35
| YY1995| 24x24| 7/4" or 9"| $2.40
| YY1996| 36x36| 9 or 12"| $5.50
| YY1979| 48x48| None| $9.90
| YY1979| 48x72| None| $13.50

**1/4" Thick**
- Stock| Size| Hole| List Price
|---|---|---|---|
| YY1975| 16x16| 7/4" or 9"| $0.56
| YY1976| 24x24| 7/4" or 9"| $1.30
| YY1976| 36x36| None| $3.00
| YY1978| 48x48| None| $5.50

**GIANT SPEAKER BAFLES**

**TAKES 18" SPEAKERS**
- Designed to house the new giant Samoan with cone diameters up to 18". Entire assembly is weather-proof, smooth, and finished. Bell opening 48x32"; speaker housing 11x15x14%" (inside), with 15x14%" diameter and 15" inside diameter in a bell baffle (other hole sizes on order at same price.) Shpg. wt. 70 lbs.

**$55.00**

**Y20063—List Price Each**

---

**LAFAYETTE DOME Baffle**

**Floor Stand and Mounting Fixtures**
- The floor stand has a three point heavily weighted base (22lbs.) which offers ample support for the heavily weighted units. When the nut arrangement permits directing of baffle into desired position and then locking in place. Stand is 6 ft. in length. In black crystal finish.
- Mounting Fixtures are available as a separate unit. For mounting it is flared on any sturdy pipe standard. Shpg. wt. 4 lbs.

**$20.00**

**YY2060—Mounting Fixture only, Shipping weight 4 lbs.**

**$9.00**

**YY2064—List Price**

---

**DOMESTICATE**

**FLARE Baffle**

**USE WITH EITHER TYPE**
- **LIST PRICE, TY 19799**
- Prooof; smooth interior finish. Bell 44
- **LIST PRICE, TY 19715**
- Designed to house the new giant Samoan with cone diameters up to 18". Entire assembly is weather-proof, smooth, and finished. Bell opening 48x32"; speaker housing 11x15x14%" (inside), with 15x14%" diameter and 15" inside diameter in a bell baffle (other hole sizes on order at same price.) Shpg. wt. 70 lbs.

**$9.00**

**Y20063—List Price Each**

---

**BBL MAGNETIC SPEAKER CHASSIS**

**CHASSIS ONLY**
- One of the finest magnetic speakers available. Will handle large output without rattle or distorting. Reproduces the entire range with remarkable fidelity. Has impedance of 7000 ohms at 1000 cycles; d.c. resistance 1000 ohms. Cone diameter 9 1/2", Ideal for installations in schools, with inter-office call systems, and as extension speakers. Shpg. wt. 7 lbs.

**$9.00**

**YY19177—List Price Each**

**SPEAKER IN CABINET**
- The above speaker is available in the handsome walnut cabinet shown above. Cabinet has paneled front with a dull gold grill cloth. Can be used in all types of installations, makes a very neat appearance. Size 13x11x7 1/4". Shipping weight 9 lbs.

**$9.00**

**YY19177—List Price Each**

---

**ROLA P.M. LOUD SPEAKERS**

**ROLA P.M. LOUD SPEAKERS**
- Equal to the finest electro-magnet energized type. Employ dome center shield. Corrugated cone. Long life, powerful magnet. Outside diameter 8 1/2", Shpg. wt. 9 lbs. **YY19346—With transformer having primary impedance of 8,000 ohms, plate to plate, with center tap.** For triodes.
- **YY19347—With transformer having primary impedance of 14,000 ohms, plate to plate, with center tap, for pentodes.**

**$12.00**

**YY19348—List Price Each**

---

**WALL SURFACE SPEAKER HOUSING**

**OF HEAVY GAUGE ALUMINUM WITH WEATHER-RESISTANT NATURAL FINISH.** Metal screen and grill cloth. Cone diam. 5 1/4", inside 3 3/4". For Shpg. wt. 2 lbs. **TYPE SH-5**. **YY20061—List Price Each**

**$5.00**

**YY20061—List Price Each**

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**SPEAKER CONTROL BOX**

**SPEAKER CONTROL BOX**
- Ten Positions
- **$12.00**

**YY19348—List Price Each**

---

**FIELD SUPPLIES**

**INCHES**
- Interchangeable for 1000 or 2500 ohm fields. Single tube model delivers 6.5 watts into a 2500 ohm field, 11 watts into a 1000 ohm field. Dual model delivers 10 watts into a 2500 ohm field, 15 watts into a 1000 ohm field.
- Single model uses 1-2525. Dual uses 1-2525, 1-2525E. In black steel case 7" long. 3%" wide, 6%" high. For 110 volts, 60 cycles a.c. Shipping weight 6 lbs.

**$7.90**

**YY19235—List Price Each**

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**SPECIAL EXCITER 30 Watts (Max.)**
- In same case as units described above, uses either an S2004 transformer. Has following specifications: when using an 83V it will deliver 30 watts into a 1000 ohm field (minimum resistance), 24 watts into 1500 ohms, 20 watts into 2000 ohms, 17 watts into 2500 ohms and 11 watts into 5000 ohms. When using an 80, it will deliver 18 watts into a 675 ohm field, 16 watts into 1000 ohms, 11 watts into 2500 ohms and 7 watts into 5000 ohms. For 110 volts, 60 cycles a.c. Shpg. wt. 8 lbs.

**$13.90**

**YY19387—List Price Each**

---

**8 1/4" A.C. and D.C. DYNAMIC SPEAKERS**
- These speakers will handle a continuous output of 8 watts. Finished in bright cadmium plate. A.C. model has built in field supply using 80 s.tube. D.C. model has a standard 2500 ohm field. Universal output transformer for any type power tube, either single or P. P. S. Shipping weight 15 lbs. **YY19291—A.C. model, list price.**

**$10.00**

**YY19292—D.C. model, list price.**

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**SPEAKER CONTROL BOX**
- **$8.50**

**YY19287—List Price Each**

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**SPEAKER CONTROL BOX**
- **$3.90**

**YY19384—List Price Each**

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NEW! ELECTRAD
Type BN Attenuators
Replaces Bulky Units
Has Lower Noise Level

Rating: 15g Watts
Signal Energy

These attenuators can be used to control the output (source) of micro-
phones, phonograph pickup, radio
line, telephone matching impediments
line, amplifier tube plate through a
choke-condenser coupler, secondary
of litz transformer, audio or radio
frequency oscillator. They can be used
in the usual series-parallel
arrangement for input mixing, and
are suitable for speaker volume
control. Replace the bulky, multi-
unit types TN, LN and U, and have
advantages of greater attenuation,
true logarithmic attenuation and
lower noise level. 1 1/4 diameter, 1/4
deep. Shpg. wt. 1 lb.
Stock Imped. Stock Imped.
No. Ohms No. Ohms
Y7G76 15 9 3 0 0
Y7G78 50 9 4 0 0
Y7G79 100 9 9 0 0
Y7G80 200 9 7 0 0
Y7G81 250 9 1 0 0 0
Y7G42 100 List Price, Any Size. 3.00

Midget Push Buttons
For light or buzzer
signals for call systems, phone
box on page 39 or
similar devices.
Fast in appearance.
Reliable before mixing contacts.
YM13227-Bakelite. 1 1/4 diam.
List Price
Each 18c
Carton of 12 $2.00
YM13218-Brass 1 1/4 diameter.
List Price
Each 18c
Carton of 12 $2.00
YM13227-Brass 2 1/2 diam.
List Price
Each 18c
Carton of 12 $2.00

Rubber Covered 4-Wire Speaker Cable
Heavy rubber cover with hemp
wrapper over conductors. For outdoor
Color-coded work. Shpg. wt.
6 lbs. per 50 ft. Practically
indestructible type of construction.
List Price per Ft. 10c
Per 100 Ft. $9.50

Rubber Covered 5-Wire Shielded Cable
Rubber covered, reinforced with
Corded color-coded wire. 5 braid outer layer, tinned shield.
Ideal for condenser microphones.
Shpg. wt. 16 lbs. per 100 feet.
YQ16100- List Price per Ft. 16c
Per 100 Ft. $15.00

All-Rubber Insulation Parallel Lamp Cord
Abrasion-proof and water-proof.
Two conductors are sheathed in a
coating of live rubber. Ridge be
tween conductors permits easy
separation. For speaker, voice-call
lines, etc. Available in black, green,
ivory or brown. Specify color desired.
Shpg. wt. 3 lbs. per 100 feet.
18 GAUGE STRANDED
YV7020 18-Wire List Price
Per Ft. 100 Ft. 500 Ft. 3 6 $2.30 $10.90

Heavy Duty Loom
Standard 3/4" rubber, 14 gauge.
Finest wire obtainable for jobs
that call for a wire of large current
capacity and ability to stand
plenty of abuse. For speaker
voice-call lines, field lines, etc.
Stranded. Shpg. wt. 5 lbs. per
100 ft.
YV7080- List Price per Foot 4c
Per 100 Feet 80c

"Twist Lock" Polarized Armored Connectors
A twist of the wrist and
they are securely locked
tightgether! Cannot pull
apart accidentally. Completely
armed for protection against
breakage. Equipped with
damps for cable. Will take large size wire
up to 3/4", Shpg. wt. 1 lb. Complete.
YM13175-Male
List Price 76c
YM13176-Female
List Price 90c

Three-Wire Shielded Locking Connectors
For Crystal and Velocity
Microphone Cables
Heavy brass outer shell finished in
rich chrome. Connector is locked by
breasted brass collar. Can be used
in rain and slush; para-rubber seals
expand against oil. Heavy shell
may be safely walked on without
danger of breakage or noise. Bake-
life connector by 1/4" long. Ideal for
as cable connector, for panel, chassis
or outlet, or directly on mike.
Over-all diameter 2 1/4", length 2 3/4".
Shpg. wt. 1 lb.
YM13128 List Price, per Set 2.00

LITTLEFUSES
For P.A. Amplifiers
These fuses are approved by the
Underwriters Laboratories. Fuses
are visible through the glass
enclosure. Ratings plainly marked
on caps. Dimensions 3/8",
Cap. List Price
YM12736 1 25c
YM12737 2 25c
YM12830 1 25c
YM12832 2 25c
YM12716 1 25c
YM12718 2 25c
YM12897 1 25c
YM12915 2 25c
YM12909 1 25c
YM12929 2 25c

Insulated Staples
Handy for inside
external wiring for speaker
lines, ground lines, etc.
PT19550-Per 1000
List Price 20c
Per 1000. 5.96

Reliable Equipment at Reasonable Prices
45
PACKARD Automatic Record Changers

**Model K**

Uses powerful two-speed motor. Plays eight 10" records automatically, repeating or turning off. Plays 12" records manually. Equipped with the new balanced electrical pick-up. Excellent device for the home, public address systems, etc. Plays ten 10" or 12" records automatically, repeating or turning off at will. Last record repeats until switch is turned off. Plays 12" records manually. Plays six 10" records automatically. Low case. For 110 volts, 50-60 cycles a.c. Spg. wt. 30 lbs.

*List Price:* $47.50

**Model L Record Changers** Similar to Model K, but plays both 10" and 12" records automatically. Low case.

*List Price:* $55.00

UNIVERSAL Professional Recorder

An excellent professional outfit that will make high-quality recordings on aluminum, silveroid, nitrate, acetate or wax discs. Recorder assembly is mainly of cast iron and weighs 125 lbs. The 16" turntable disc weighs 69 lbs., belt. This drive method eliminates waver or "wow." Motor is 100,000 cycles. It will cut any type of material used today for recording. Pieces with a damping adjustment screw in each pole, and having a cobalt 6 magnet. By means of the adjustment screws, any type of frequency response can be obtained. Lows or highs can be made predominant, or universal. "Wow" can be cut over an unusually wide range of frequencies. It will cut any type of material used today for recording. A 10 power magnifying glass, supplied with the outfit, permits constant observation of the recording being made. All iron parts finished in black lacquer, with small parts in chrome and cadmium. Unit is bench mounting.

**UNIVERSAL "Floating" Recording Head**

For use with professional recorder listed above. Same construction but has various additional adjustments that insure elimination of needle "wobble" and permit most accurate recording. Constructed entirely of aluminum and duralumin to be light in weight and eliminate "wobble." Other impedances on special order only. Shipping weight 2 pounds.

*List Price:* $136.00

Improved DUALL Super Recorder

Improved professional type. Features positive feed for the recording head that provides uniform spacing of lines and prevents overlapping. Aids in high-quality playback. Specially designed motor rated at 1/20 h.p., 650 cycles. Assembly consists of motor, worm drive, turntable, overhead feed mechanism for 90° recordings on 12" records, and cutter head. Feed is inside out. Cutter head is special high-fidelity type with response flat within ±.5 db from 100 to 5500 c.p.s. Cutter either 15 or 500 ohms impedance; specify type desired. Equipment is designed for cutting and recording on acetate, metal or celluloid records. Motor for operation on 110 volts, 50-60 cycles a.c. All metal parts above panel are black wrinkle lacquered to finish with contrasting chromium plating. Shipping weight 30 pounds.

*List Price:* $315.00

Complete Recording and P.A. System

**Model 555F**—A complete high quality recording and P.A. system has been assembled using the above recorder in conjunction with a suitable Lafayette amplifier, speaker, mike, cutting needle and other accessories. The equipment included consists of: 1—Universal model 12 recorder; 1—Lafayette model 129-A Amplifier (page 4); 1—kit of tubes for amplifier; 1—Universe velocity mike (1538); 1—chromium plated floor stand (1552); 1—25 foot mike cable with plug; 1—Lafayette 12" d.c. dynamic speaker, 5000 ohm field (1924); 1—14X14" battle (1910); 1—25 foot speaker cable; 1—sapphire recording needle for aluminum blanks (Y1A192); 6—15" aluminum blanks (Y2A02); 6—packages of bamboo playback needles (Y4A43). Shipping weight 125 lbs. Code SMETE.

*List Price:* $264.52
**PROCTOR Plezo Professional Pick-Up**

A new crystal pick-up designed and constructed in the professional manner for professional results. Needle pressure adjustable from 1 to 3 ounces, a graduated scale shows exact pressure. Affords uniform response over practically entire audio range. High impedance, may be connected directly to input grid. Equipped with Precise eight aluminum finished in instrument-black and chrome. Overall dimensions: 14 long, 3 3/4 wide, needle to base center, 12 1/2. Shpg. wt. 8 lbs.

**List Price**

$60.00

---

**NEW! WEBSTER Crystal Pick-Ups**

Standard and "HI-FI!" Models

Newly engineered crystal pick-ups for use wherever professional results are desired. Needle pressure 2 1/4 ounces. Built-in volume control and compensating filter. For any lateral-cut record up to 16". With models finished in black enamel and brushed silver. Overall length 14", needle to base 9 1/2. Shpg. wt. 5 lbs.

**List Price**

$18.50

**NEW! WEBSTER Crystal Pick-Ups**

With Built-in Volume Control & Filter

2 1/4 oz. Pressure

**List Price**

$20.75

---

**GREEN FLYER Motors and Turntables**

For 110 Volts, 60 Cycles A.C.

Incorporates silent laminated spira-cut Bakelite gears, completely enclosed and run in oil. Overcenter, self-lubricated bearings; will not overheat under enclosed cabinet. Has special dial and pointer, 10" turntable.

**List Price**

$16.00

**UNIVERSAL 110-Volt, A.C.-D.C. Motor**

With 10" turntable and automatic stop. For 78 r.p.m. recordings only.

**List Price**

$12.50

---

**Audiak Electro-Chromatic Model 2033**

Magnetic Pick-Up


**List Price Each**

$17.50

---

**Special Acetate Coated Aluminum Record Blanks**

Available in Plain or Grooved Form

These blanks are standard for recording in any professional studio and capable of extra-wide frequency response with little scratch.

**Stock List Price Each**

$3.60

---

**"Silveroid" Blanks**

A newly developed full-frequency record blank. Has aluminum base with solid silver top, will make recordings comparable to the finest. Most important, there is practically no needle scratch. Supplied in ungrooved form only, in 10" and 12" standard. Available in any ordinary coated record if properly handled. Supplied in 10" blanks.

**List Price Each**

$1.20

---
GENERATORS: CONVERTORS: BATTERIES

New PIONEER Gas Driven Generators

These new Pioneer plants are ideal for use in sound truck installations for charging batteries of the P.A. systems. They have many other practical uses. An auxiliary pulley is furnished which may be used to drive whatever means a "V" belt.

The engine is an "I" head, vertical, air cooled type, four cylinder, single cylinder. It has a rating of 5 hp. at 3600 r.p.m. For charging a 12 volt battery, a rope pull starter, furnished with the assembly, is used. Complete plant is extremely light and portable, weighing only approximately 60 lbs., and measuring 11 1/2" high, 10" wide, and 17" long (32 volt model 17 3/4" long). All come complete with ammeter, cut-out relay, leads and battery clamps. Just fill with gas and oil and they are ready for use. Fuel consumption at 1100 watts is one gallon in 15 hours; 2 ounces of oil in 10 hours. Shpg. wt. 70 lbs.

12 volt batteries: 150 watts. $49.95
12 volt batteries: 250 watts. $54.50
12 volt batteries: 350 watts. $59.95
12 volt batteries: 450 watts. $59.95

KATO A.C. Power Plants

Conservatively rated. Provision for self-starting by means of starting batteries which the plant keeps automatically charged. Remote starting and stopping, by means of push buttons or wall switches, available at slight extra cost. Consumes a minimum of gasoline and oil. Small voltage variation between load and no-load. Uses magneto ignition and accurate mechanical governor. Ideal for farm lighting, sound trucks, dance pavilions, etc. Available in sizes from 300 to 10,000 watts. Write for details and prices of sizes not listed.

150 watts, 110 volts a.c. Shpg. wt. 200 lbs. $158.00
450 watts, 110 volts a.c. Shpg. wt. 220 lbs. $185.00
650 watts, 110 volts a.c. Shpg. wt. 240 lbs. $205.00
1000 watts, 110 volts a.c. Shpg. wt. 280 lbs. $298.00
Remote Control Panel for any unit. Shpg. wt. 12 lbs. $35.00

Special KATO 300 Watt Power Plant

Gas engine, delivers 110 to 120 volts 60 cycles a.c. at 300 watts. Single cylinder 4-cycle engine runs approximately 4 hours to quart of gas. Built-in magneto. Generator coupled to engine by "V" belt; foot pedal starter. Also delivers 6 volts d.c. for charging storage batteries. Ammeter and switch mounted on chassis. Entire assembly mounted on a black steel cha.s.

JANETTE Rotary Converters

For operating 110 volt, 60 cycle a.c. electrical appliances, radio, P.A. Systems, etc., from d.c. supplies. Models available for any voltage from 6 to 220 volts as listed below. All are equipped with interference filters to prevent noise reaching the radio. If filter is not required, write for prices on model desired. Sizes are listed for practically any requirement from small up to large public address systems, transmitters, etc.

VESTA Storage Batteries
A line of well made, long lived 6 volt storage batteries. All constructed using thick plates of full depth and well made spacers. housed in molded rubber leak-proof containers and provided with radio terminals and ball handle. All carry standard guarantee. Ideal for use with the power plants listed on this page.

RCA • RAYTHEON Lafayette TUBES

Six Months Guarantee

The tubes listed below are the standards of excellence the world over, and we back this fact with a six-months guarantee. Should a tube purchased from us fail to give efficient service for that period, it will be cheerfully replaced. Burnouts and broken glass, of course, are excepted.

New Metal Tubes

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Confidential

TRADE DISCOUNT PRICES

for

Dealers, Servicemen & Sound Men

Remove this outer cover carefully and keep it handy so that you can quickly look up your CONFIDENTIAL DISCOUNT PRICES on all items in the Lafayette Public Address List Price Catalog No. 64. You don’t have to do any figuring; the chart below gives list prices and YOUR NET PRICES with all discounts taken.

If you want extra copies of this Trade Discount Sheet, write to any Wholesale Radio Service Co., Inc. office. We are at your service, always ready to help you make more money!

Here Are Your Net Costs of Models in LIST PRICE Catalog No. 64

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>List Price</th>
<th>Net Price</th>
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<td>Model 557-P</td>
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<td>Model 558-P</td>
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<table>
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<tr>
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NOTE: When ordering YQ16385-6 specify which speaker cable is for i.e. speaker connected to amplifier or extension speaker.

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Printed in U.S.A.
## Table 1: Stock List

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## Table 2: Stock List

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IMPORTANT — HOW TO ORDER
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