SCHEMATIC OF TWO TRANSISTOR POCKET RADIO WITH REGENERATIVE CIRCUIT & TRANSFORMER STAGE

CIRCUIT DIAGRAM OF LAFAYETTE 3 TRANSISTOR TELEPHONE PICK-UP AMPLIFIER

The Lafayette Transistor Telephone Pick-Up Amplifier Kit No. KT-76, includes all necessary parts, chassis, transformers, condensers, resistors, battery holder, batteries, phone tips, etc. (less Earphone and Telephone Pick-up Coil) Net... 9.95

For optimum results, Lafayette Super Power Dynamic Earphone MS-260 is recommended. Net... 3.95

TWO TRANSISTOR RADIO RECEIVER

ESSENTIAL LIST OF PARTS REQUIRED

1. Loopstick MS-11 (Note: Loopstick is to be modified — tapped between 15 and 20 turns from the free end of coil and then rewound as before and connected as indicated in diagram) .39

2. Miniature Variable Condenser 365 mmf — MS-215 .69

3. 10 K 1/2 Watt Resistor .05

4. Battery Holder MS-138 .37

5. 1 1/2 Volt Penlite Cells #7 Cell .08 each .16

6. Transistor Socket MS-252 .22

CIRCUIT DIAGRAM OF LAFAYETTE 3 TRANSISTOR AUDIO AMPLIFIER WITH CLASS “B” PUSH-PULL-FOR SPEAKER OPERATION

NOTE: Input Impedance 1000 ohms. For high impedance inputs matching transformer is needed (AR-108); for magnetic input use pre-amp (KT-71).

Lafayette Kit — KT-69: including all parts, transistors, transformers, chassias, sockets, volume control, resistors, condensers, etc. complete with diagram and instructions. Net... 17.95

LAFAYETTE
DEMONSTRATION CIRCUITS
SCHEMATIC OF
SINGLE BATTERY
HEARING AID

The Transistors are G.E. 2N44; resistors 1/2 or 1/4 Watt; condensers are subminiature. Transformers are Argonne AR-101. (center tap of sec. not used.)

SCHEMATIC CLASS "B" HEARING AID WITH FEEDBACK

Three stage amplifier with complementary P-N-P and N-P-N arrangement. Transformer coupling is used between the first two stages and choke coupling between driver and output stages. The resistor t, varies with frequency response desired. Input impedance at 1000 cycles, 1200 ohms.

3 TRANSISTOR PHONOGRAPH PREAMPLIFIER

Input impedance 60,000 ohms; G.E. 2N44, or 2N467 Transistors can be used; resistors 1/4 Watt; condensers subminiature.

CIRCUIT OF ELECTRONIC MEGAPHONE AMPLIFIER

This Transistor Amplifier is designed to be mounted directly on the case of a small re-entrant horn loudspeaker to provide a hand-operable megaphone. The microphone is a miniature permanent-magnet loudspeaker, coupled into the base of the first stage through T1, Argonne AR-125 Transformer having a step-up ration of 2-4000 ohms; the coupling transformer of the driver stage T2, Argonne AR-101; the output transformer T3, Argonne AR-138; Transistors G.E. 2N44.
The superior sensitivity and balanced performance characteristic of this receiver stems from its use of the new Lafayette miniature matched components specifically designed for transistorized superhet receivers. The matched loop antenna, oscillator coil, variable condenser and I.F. transformers are particularly significant in this circuit. The jack in the secondary circuit of the output transformer permits loudspeaker or ear- phone reception.

LIST OF ESSENTIAL PARTS

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
<th>Net Each</th>
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<tbody>
<tr>
<td>V1</td>
<td>2N34 Sylvania Transistor</td>
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This flashlight beam activates transistorized photocell-controlled relay unit which switches the TV audio off and on at will. The self-contained instrument consists of two selenium photocells followed by a two-stage transistor DC amplifier which operates the relay and provides self locking action. A sensitivity control permits proper adjustment of the relay. Constructional details of the complete assembly are found in article appearing in February 1956 issue of Popular Electronics.

LIST OF ESSENTIAL PARTS

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<tr>
<th>Symbol</th>
<th>Description</th>
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<td>C1A, C1B</td>
<td>MS-142 Two gang Variable</td>
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<td>M1</td>
<td>0-10 Volts Millivoltmeter</td>
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<td>SW13 DPDT Switch</td>
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This transistorized crystal receiver enables amateurs to comply with Conelrad Monitoring regulations. The device which employs a crystal detector and transistor DC amplifier is useful as an emergency crystal broadcast set for headphone reception. The hand wound coils work better than miniature slug-tuned broadcast coils. This unit is fully described in the January 1956 issue of QST.

LIST OF ESSENTIAL PARTS

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<tr>
<th>Symbol</th>
<th>Description</th>
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<tbody>
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<td>V2</td>
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<td>V3</td>
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<td>B1</td>
<td>300 Ohms 1 W Res.</td>
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<tr>
<td>L1</td>
<td>Advance SY/IC-3500 Sensitive Relay 5500 Ohms</td>
<td>.98</td>
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</table>

This sensitive compact unit automatically switches earheadphones from bright to dim with the approach of an encircling car or when adequate illumination is provided by street lighting. The unit requires a photocell, a directive optical arrangement, an amplifier and a relay. This circuit is based on a circuit appearing in the August 1956 issue of Radio and Television News.

LIST OF ESSENTIAL PARTS

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<td>C2</td>
<td>CK722 Transformer</td>
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This device, capable of use at a distance of several hundred feet, is a marvel of simplicity since it cleverly dispenses with volume control, call-back switch and matching input transformer. Complete description and construction details may be found in the February 1956 issue of Radio and Television News.

LIST OF ESSENTIAL PARTS

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<th>Symbol</th>
<th>Description</th>
<th>Net Each</th>
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<td>C2</td>
<td>C503 0.01 mfd</td>
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<tr>
<td>C3</td>
<td>C502 0.02 mfd</td>
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This self-contained unit automatically switches earphone from bright-to-dim as the approach of an encircling car or when adequate illumination is provided by street lighting. The unit contains a photocell, a directional optical arrangement, an amplifier and a relay. This circuit is based on a circuit appearing in the August 1956 issue of Radio and Television News.

LIST OF ESSENTIAL PARTS

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<td>2500 Ohms 1/2 W Resistor</td>
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<td>R4</td>
<td>100,000 Ohms 1/2 W Resistor</td>
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<tr>
<td>R5</td>
<td>56 Ohms 1/4 W Resistor</td>
<td>.05</td>
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</tbody>
</table>

This self-contained unit automatically switches earphone from bright-to-dim as the approach of an encircling car or when adequate illumination is provided by street lighting. The unit contains a photocell, a directional optical arrangement, an amplifier and a relay. This circuit is based on a circuit appearing in the August 1956 issue of Radio and Television News.
A simple regenerative receiver utilizing 2N135 transistor in RF section and 2N107 transistors for audio. Optimum interstage coupling is achieved with Argonne transformer transformers. High or low impedance headphones may be used. Coils are wound as follows:

L1 — 33 turns #26 enamel wire close wound in a loop 5/8" x 3/4".

L2 — 3 turns #26 enamel wire, wound next to the ground end of L1.

L3 — 3 turns #26 enamel wire, wound over ground end of L1.

**LIST OF ESSENTIAL PARTS**

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<th>Qty</th>
<th>Description</th>
<th>Price Each</th>
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<td>1</td>
<td>G.E. 2N135—Transistor</td>
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<td>2</td>
<td>G.E. 2N107—Transistor @ 1.25</td>
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<td>1</td>
<td>MS-215—Mini. Variable Cond.</td>
<td>.95</td>
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<td>2</td>
<td>AR-100—Argonne Trans.</td>
<td>.295</td>
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<tr>
<td>1</td>
<td>VC-27—Regenerative Control w/sw</td>
<td>.69</td>
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SOLAR POWERED RADIO

A transistorized receiver powered by sunlight and having an auxiliary mercury power supply. This unit, described in Radio Electronics March 1956, uses only standard components and achieves excellent sensitivity and selectivity.

**LIST OF ESSENTIAL PARTS**

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<th>Description</th>
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<td>CK-721 Transistor</td>
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<td>CK-705 Diode (1N466)</td>
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<td>1N38 Photovoltaic</td>
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<td>C-703 Paddo Condenser</td>
<td>.26</td>
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<td>ELF Loopstick</td>
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**LIST OF MAJOR COMPONENTS**

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<tr>
<th>Symbol</th>
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<th>Net Price Each</th>
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<tbody>
<tr>
<td>V1, V2</td>
<td>CK722 Transistors</td>
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<tr>
<td>T1, T2</td>
<td>Argonne A107 Transformers</td>
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<tr>
<td>CR1</td>
<td>1N34 Crystal Diode</td>
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<tr>
<td>R1</td>
<td>220,000 1/2 W Resistor</td>
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<tr>
<td>R2</td>
<td>4700 1/2 W Resistor</td>
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<tr>
<td>C1</td>
<td>1500 MM Disc Ceramic Cond.</td>
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<tr>
<td>C2, C3</td>
<td>Sprague 1001 - 2mf 6V Cond.</td>
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**SCHEMATIC DIAGRAM OF HAZELTINE 7 TRANSISTOR RECEIVER**

This receiver features three I.F. stages and a Class B push-pull audio output stage. Lafayette's matched subminiature receiver components consisting of the variable condenser M5261, loop antenna M5264, oscillator coil M5265 and matched 455 KC I.F. transformers M5266 and M5269 should be used. Argonne transistor transformers AR101 and AR133 to be used for T6 and T7 respectively.
## General Electric Transistors

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### Junction Rectifiers

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### RCA Transistors

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### General Electric Diodes—Rectifiers

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### Transistors: Diodes

#### Raytheon

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<td>MARVELCO</td>
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#### Hughes Germanium Diodes

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#### Hughes Selenium Junction Diodes

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<th>Power Gain</th>
<th>DC Collector Volts</th>
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<tr>
<td><strong>Type</strong></td>
<td><strong>Class</strong></td>
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<td><strong>Class</strong></td>
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### Sylvania Transistors

<table>
<thead>
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<tr>
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<td><strong>Class</strong></td>
<td><strong>Net Each</strong></td>
<td><strong>Application</strong></td>
<td><strong>Collected Power</strong></td>
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</tbody>
</table>
**Transistor Transformers**

* AT LAST A COMPLETE LINE OF QUALITY TRANSFORMERS FOR EVERY TRANSISTOR APPLICATION AT A PRACTICAL PRICE!
  - Nickel-Steel and Silicon Steel Laminations
  - Wound on Nylon Bobbins
  - Mylar Outer Wrap
  - Color Coded Leads

Have you been experimenting with transistor circuits? And have you been forced to make do with compromise transformers or improvised units? And have you had to pay from $5.05 to $12.00 for them? The Argonne line brings you a wide variety for experimentation as well as for replacement. Efficiently designed to meet the needs of miniaturization and engineered to provide maximum power handling capacity and improved frequency response with minimum distortion. All the core laminations are silicon steel which are silicon steel. Average net weight 1 1/4 oz; average shipping weight 4 oz.

### Argonne Transistor Transformers

<table>
<thead>
<tr>
<th>Argonne Number</th>
<th>Type</th>
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<th>Impedance Secondary Ohms</th>
<th>Unbalanced Current D.C. Ma</th>
<th>Power Efficiency Watts</th>
<th>D.C. Resistance OHMS</th>
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**U T C S U B O U N C E R A N D S U B - S U B O U N C E R T R A N S F O R M E R S**

For hearing aids, vest pocket radios, micro devices, and other ultra-miniaturized equipment: Average frequency response 200-100,000 cps ±3 db. High efficiency obtained through special nickel iron core materials and winding methods. Capacitance between 0.01 and 0.0001 uF. Average size: 9/16 x 7/16 x 1/4". Average weight: 1 oz. SD indicates subsonic units and SSO subsonic driver. Fixed Impedance ratings: 1200:1 for S0-1 and SSO-1; 500 for S0-2 and SSO-2; 500 for S0-3; 3000 ohms; DC resistance SSO-3, 4400 ohms.

**Sub-Sub-Transformer**

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<th>Type</th>
<th>Use</th>
<th>Prl. Perm.</th>
<th>Prl. DC</th>
<th>Sec. Imp.</th>
<th>Net</th>
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<td>S0-2</td>
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<td>6.41</td>
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<td>90K</td>
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<td>6.41</td>
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<td>Reator</td>
<td>100, 2300</td>
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<td>6.41</td>
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<td>S0-5</td>
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<td>6.41</td>
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<td>6.41</td>
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**Transistor Audio Transformer**

<table>
<thead>
<tr>
<th>Type</th>
<th>Use</th>
<th>Prl. Perm.</th>
<th>Prl. DC</th>
<th>Sec. Imp.</th>
<th>Net</th>
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<td>6.35</td>
<td>6.41</td>
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<td>6.35</td>
<td>6.41</td>
</tr>
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<td>TR-33</td>
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<td>6.41</td>
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<td>TR-34</td>
<td>Push-Pull Output</td>
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<td>90K</td>
<td>6.35</td>
<td>6.41</td>
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</table>

**Specifications**

- Subminiature, compact, high grade transistors audio transformers.
- Impedance: 200 ohms.
- Power rating: 0.5 watts.
- Sensitive: 1 1/4 x 1 1/4 x 1 1/4".
- Net weight: 1 1/4 oz.
- Slight oscillation:

---

**JIM GARRATT COLLECTION**

PAGE 8
LAFAYETTE SPECIALIZES IN MINIATURE PARTS FOR TRANSISTOR CIRCUITS

**TRANSISTOR ULTRA-MINIATURE ELECTRIC CAPACITORS**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Diam.</th>
<th>Length</th>
<th>Price</th>
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<td>CF-100</td>
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<td>25/32&quot;</td>
<td>.09</td>
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</tr>
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<td>25/32&quot;</td>
<td>.09</td>
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<td>25/32&quot;</td>
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<td>15-1/32&quot;</td>
<td>15-1/32&quot;</td>
<td>.09</td>
</tr>
<tr>
<td>CF-111</td>
<td>200 - mfd 6 Volt</td>
<td>11-1/32&quot;</td>
<td>15-1/32&quot;</td>
<td>.09</td>
</tr>
<tr>
<td>CF-112</td>
<td>250 - mfd 6 Volt</td>
<td>11-1/32&quot;</td>
<td>11-1/32&quot;</td>
<td>.09</td>
</tr>
<tr>
<td>CF-113</td>
<td>250 - mfd 6 Volt</td>
<td>9/32&quot;</td>
<td>11-1/32&quot;</td>
<td>.09</td>
</tr>
<tr>
<td>CF-114</td>
<td>300 - mfd 4 Volt</td>
<td>9/32&quot;</td>
<td>9/32&quot;</td>
<td>.09</td>
</tr>
<tr>
<td>CF-115</td>
<td>500 - mfd 6 Volt</td>
<td>7/32&quot;</td>
<td>7/32&quot;</td>
<td>.09</td>
</tr>
</tbody>
</table>

**TRANSISTOR SOCKETS**

- A LIFESAVER FOR YOUR TRANSISTORS!

Transistors may be damaged by the heat of solders. The utilization of these specially developed transistor sockets prolongs the life of your transistor. Molded from mica-filled low loss bakelite. Silver plated beryllium copper contacts. For printed circuits, Size is overall.

**SUBMINIATURE SOCKETS**

Used in all subminiature radios, hearing aids and electronic devices that require subminiature tubes. Mica-filled low-loss bakellite. Silver-plated beryllium copper contacts. Shpg. wt. 2 oz. Size is overall.

**SPRAGUE TRANSISTOR ULTRA MINIATURE ELECTRIC CAPACITORS**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Diam.</th>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE-1010</td>
<td>5 mfd 1/4&quot; 3/16&quot;</td>
<td>11/32&quot;</td>
<td>3/8&quot;</td>
<td>.55</td>
</tr>
<tr>
<td>TE-1020</td>
<td>10 mfd 1/4&quot; 3/16&quot;</td>
<td>11/32&quot;</td>
<td>3/8&quot;</td>
<td>.55</td>
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<tr>
<td>TE-1030</td>
<td>20 mfd 1/4&quot; 3/16&quot;</td>
<td>11/32&quot;</td>
<td>3/8&quot;</td>
<td>.55</td>
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<tr>
<td>TE-1040</td>
<td>30 mfd 1/4&quot; 3/16&quot;</td>
<td>11/32&quot;</td>
<td>3/8&quot;</td>
<td>.55</td>
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<tr>
<td>TE-1050</td>
<td>50 mfd 1/4&quot; 3/16&quot;</td>
<td>11/32&quot;</td>
<td>3/8&quot;</td>
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<tr>
<td>TE-1060</td>
<td>100 mfd 1/4&quot; 3/16&quot;</td>
<td>11/32&quot;</td>
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<td>TE-1080</td>
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<td>TE-1090</td>
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<td>11/32&quot;</td>
<td>3/8&quot;</td>
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**BARCO TRANSISTOR ULTRA-MINIATURE ELECTRIC CAPACITORS**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Diam.</th>
<th>Length</th>
<th>Price</th>
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</thead>
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<tr>
<td>P25-25</td>
<td>1/4&quot; mfd 25V</td>
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<td>3/8&quot;</td>
<td>.59</td>
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<td>P25-4</td>
<td>4 mfd 25V</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>.59</td>
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<tr>
<td>P12-10</td>
<td>10 mfd 12V</td>
<td>1/4&quot;</td>
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<tr>
<td>P6-7</td>
<td>7 mfd 6V</td>
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<td>3/8&quot;</td>
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<td>P6-6</td>
<td>6 mfd 6V</td>
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<td>3/8&quot;</td>
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<td>P6-5</td>
<td>5 mfd 6V</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>.59</td>
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<tr>
<td>P6-4</td>
<td>4 mfd 6V</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>.59</td>
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<td>P6-3</td>
<td>3 mfd 6V</td>
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<td>P6-2</td>
<td>2 mfd 6V</td>
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<td>P6-1</td>
<td>1 mfd 6V</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>.59</td>
</tr>
</tbody>
</table>

**MINIATURE PRINTED CIRCUIT COIL FORMS**

An internally threaded phenolic tube with collar and solder lug, with powdered iron core that is adjustable from either end of the form. A complete vertical mounting by punching two to four holes in board. Wind- ing area on form is 11/16" long. Types SP1 have 5/16" core, Types SP2 have 1/4" core.

**MINIATURE KNOBS**

Plastic knob, only ⅜" diameter fits ⅛" shafts, for miniature components such as Ferro-lens, sub-miniature pots, etc.

**CAMBRIDGE THERMIC CORPORATION**

**SLUG-TUNED COILS**

For TV traps, broadband AM amplifiers, general HF circuits, etc. Coil bodies of LS5, LS4 and LS4 are HP paper-base phenolic. LS5 and LS6 are ceramic, LS5 has larger slug and greater bandpass. LS4 for larger inductance and Q. Slugs tunable from either end. Locking feature. Sizes: LS4, 7/32x7/32" dia. LS6, 11/64x11/64" dia.

**AEROVOX TYPE 862 METALLIZED TYPE PAPER CAPACITORS**

Thin Airfoil Metalized-Paper tubular units are self-biastable to withstand reverse voltages. Mylar is impregnated, in moisture-resistant wax impregnated capacitor case. Type T5 smaller than equivalent paper units. Standard Tolerance ±20%.

**CENTRALAB TYPE DM MIN-KAPS**

Miniature capacitors for use where space is at a premium as in coils, pocket radios, hearing aids, etc. 1½" wide, 7/44" thick. Tolerance: 0.001 mfd ±0.0002", 0.002 mfd ±0.0004", 0.003 mfd ±0.0006", 0.004 mfd ±0.0008", 0.005 mfd ±0.001", 0.006 mfd ±0.0012", 0.007 mfd ±0.0014", 0.008 mfd ±0.0016", 0.009 mfd ±0.0018", 0.01 mfd ±0.002", 0.015 mfd ±0.003", 0.02 mfd ±0.004", 0.03 mfd ±0.005", 0.04 mfd ±0.006", 0.05 mfd ±0.007", 0.06 mfd ±0.008", 0.07 mfd ±0.009", 0.08 mfd ±0.01", 0.09 mfd ±0.011", 0.1 mfd ±0.012", 0.15 mfd ±0.018", 0.2 mfd ±0.024", 0.25 mfd ±0.03", 0.3 mfd ±0.04", 0.35 mfd ±0.05", 0.4 mfd ±0.06", 0.45 mfd ±0.07", 0.5 mfd ±0.08", 0.6 mfd ±0.09", 0.7 mfd ±0.1", 0.8 mfd ±0.11", 0.9 mfd ±0.12", 1.0 mfd ±0.13", 1.5 mfd ±0.18", 2.0 mfd ±0.24", 3.0 mfd ±0.3", 4.0 mfd ±0.4", 5.0 mfd ±0.5", 6.0 mfd ±0.6", 7.0 mfd ±0.7", 8.0 mfd ±0.8", 9.0 mfd ±0.9", 10 mfd ±1.0", 15 mfd ±1.8", 20 mfd ±2.4", 30 mfd ±3.0", 40 mfd ±4.0", 50 mfd ±5.0", 75 mfd ±7.5", 100 mfd ±10.0", 150 mfd ±15.0", 220 mfd ±22.0", 330 mfd ±33.0", 470 mfd ±47.0", 560 mfd ±56.0", 1000 mfd ±100.0".
LAFAYETTE SPECIALIZES IN MINIATURE

PARTS FOR TRANSISTOR CIRCUITS

SUBMINIATURE VOLUME CONTROLS
For Transistor & Subminiature TVs and with S.P.S.T. switch
Size 23/32" Dia. 1/2" Deep.
The ultra small volume control is a positive marvel of engineering skill. Designed with today's trend toward miniaturization. It forms a perfect complement to subminiature transistor and tube circuits. Switch rating 6.5 amp at 1.5 volt, 2 amps at 45 volt. Size: D12 23/32"; only 1/2" deep.
With S.P.S.T. Switch
VC-43 5.000 ohms
VC-44-10.000 ohms
VC-45 15.000 ohms
VC-46 25.000 ohms
VC-47 1/2 Meg
VC-48 1 Meg
- 79¢ in lots of 10
- 89¢ single each

HIGH-GAIN LOOPSTICK ANTENNAS
An excellent selection of highly efficient, low-cost, ferrite core antennas. Give high gain across complete broadcast band from 540 to 1600 kc when tuned with standard 366 or tuning condenser. Ideal as replacement for bulky, old-fashioned loop antennas on back of AKK broadcast receivers. Give sensitive reception from all directions—you don't have to rotate your radio to pick up weak stations.
B. ENERGIZED FERRI LOOPSTICK. New 6" ferrite rod loopstick antenna with a "Q" of over 1500. Extremely high gain brings in weak distant stations not normally received. New type adjustable coil with self-locking vinyl collar permits peaking antenna for superior sensitivity results. 1/2" x 5/16". Shpg. wt. 6 oz.
MS-11 $1.15
In lots of 10. Each 34¢, Singly, 39¢.
C. 7" SUPER LOOP. Super sensitive ferrite loopstick antenna with a "Q" of up to 3500. Extremely high gain brings in weak distant stations not normally received. New type adjustable coil with self-locking vinyl collar permits peaking antenna for superior sensitivity results. 1/4" x 5/8". Shpg. wt. 1 oz.
MS-287 $1.75
In lots of 10. Each 34¢, Singly, 39¢.

MINIATURE VOLUME CONTROL
Only 1/8" Diameter. Overall depth approximately 1/4" including threaded shaft. Ideal for miniature radio, hearing aids, etc.
VC-18-Range 0-300,000 audio taper. . .35¢
VC-18-Range 0 to 1 Meg, linear taper 39¢
VC-20-Range 0 to 3 Meg, audio taper 39¢
In lots of 10-. . .$3.25

TRANSISTOR POTENTIOMETERS DIME SIZE
For Transistor and Sub-Miniature Circuits
Versatile carbon controls for audio, tone and similar applications; specially designed for Transistor and Sub-Miniature circuits. Only 1/8" diameter, Shaft 1" long 1/8" diameter. Shaft easily cut to desired length, includes nut and lock washer. Shpg. wt. oz.
VC-33 1,000 ohms VC-34 25,000 ohms
VC-35 5,000 ohms VC-36 50,000 ohms
VC-34 10,000 ohms VC-37 1/2 Meg
VC-35 5,000 ohms VC-38 1 Meg
MS-186-Miniature Knob 1/8" Diam.-Net . .7¢

WITH S.P.S.T. SWITCH
These versatile Sub-Miniature Controls with S.P.S.T. switch ratings 1 amp at 20 Volts, 1/2 amp at 60 1/2 volts. Complete with mount and nut. Single hole snap-in mounting, plus mounting bracket. Equally efficient at any angle. 2/16" x 2 1/16". In lots of 10. Each 34¢, Singly, 39¢.

MINIATURE KNOB
Plastic knob, only 1/8" diameter fits 1/8" dia. for Ferrite loopstick, sub-miniature nats, etc.
MS-185 $1.05

MILLER TRANSISTOR I.F. TRANSFORMERS
These transformers have been designed for use with the Miller Radiance Transistor type CK760. They feature a tapped primary having impedance near 25,000 ohms, and a peculiar winding having an impedance near 600 ohms. 455 kc. Pri. 25 K Sec. 600. Size: 1/2" sq. x 1/2" high. No. 2041
Net $1.62

MILLER TRANSISTOR LOOP ANTENNA
A fixed inductance loop with a large pickup field to insure adequate signal to the first stage. Inductor is tapped to match on input impedance of 600 ohms. Frequency range 540-1650 kc when used with a variable capacitor having a maximum capacity of 365 mfd. Size: 1 1/2" x 1 1/2". No. 2000 Loop Antenna Net $1.62

MILLER TRANSISTOR OSCILLATOR COIL
For use with a transistor to supply the local oscillator energy to the mixer stage. Used with a variable capacitor having a maximum capacity of 365 mfd. Intermediate frequency 455 kc. Broadcast band 540-1600 kc. Podder 2004 mf. Mounting clip fits a 5/16" dia. hole. Size: 1/2" x 1/4" high. No. 2020 Net 1.18

Z-9A Socket
Complete low-loss socket for Potentiometer type Z-9A. 27.255 MC Crystal. Net $1.85

27.255 MC REMOTE CONTROL CRYSTAL
Popular 27.255 MC crystal used in remote control circuit of hobby airplanes, boats, etc. Frequency lies within "citizen band." Low drift, high output, dependable frequency control. Tolerance 0.04%, 0.77000" wide x 0.03900" high above plane 1/6" above pins. MS-296 Net 2.95

MEYER MINI-GATOR CLIP
Small high quality miniature mini-gator clip. Clip opens 3/16". Length 1-1/16". Solder connection. For 220 or smaller wires. Use No. 32 Insulator. MUELLER 30 Each 7¢ 10 for 65¢

JIM GARRETT COLLECTION
MINIATURE AND SUB MINIATURE SPECIALTIES

NEW! SUPER POWER DYNAMIC EARPHONE
FOR TRANSISTOR CIRCUITS

SPECIAL HIGH OUTPUT-FOR LOW POWER CIRCUITS

Lafayette brings you the answer to the problem of the low output inherent in transistor circuits, where the power is so low you cannot afford to lose any of it. You'll be amazed at the difference in volume when you use this new dynamic earphone. Extra efficient construction with a powerful magnetic grid up to 3 times the volume of other dynamic earphones, and at the same time gives you the quality of reproduction that is possible only with a dynamic unit. We've tried it on all kinds of transistorized circuits, and this remarkably efficient earphone preserved the precision so well that in many cases the program was plainly heard with the earphone 2 feet away from it. It is not, of course, limited in use to low power devices — it will give superior performance wherever a high impedance dynamic earphone is required. AC impedance 8000 ohms, DC resistance 2000 ohms. Cables complete with 3 ft, detachable plug-in cord. MS-260

CRYSTAL EAR PHONE

Small, almost weightless, plastic ear phone with crystal elements for ultra high power and sensitivity. Ideal for all applications where a very high impedance unit is preferred. Fits comfortably in the ear. Complete with 3 ft, plastic covered cord.

CAN BE USED AS MICROPHONE

This unit is so powerful and sensitive that it can be used as a close-taking highly directional crystal microphone. Just screw off the ear-insert and your earphone becomes a microphone to use for all sorts of experiments and gadgets. MS-111

NEW! GEM REMOTE CONTROL RELAY

3.47

- The Mighty Mite of the R/C Field
- Weight less than ½ oz
- Size: 3/4" H, 17/32" W, 1/16" L

A natural for remote control receivers, it is highly sensitive, and built to withstand severe abuse. The smallest commercial job available, it weighs less than ½ oz. Features adjusted to pull in at 1/4 MA, drop out at 1 1/2 MA. Single pole, double throw. Used in outstanding R/C receiver, 5,600 ohm coil. Net 3.47

TELEX HEADSETS, EARSETS, SPEAKERS for Listening Comfort

TELEX MONOSET


TELEX TWINSET

Sanitizes headacy ear pressure. Bond rests on head and receivers seat gently at temples; tubular sound arms pipe signal to ears. Only 3.6 oz. C.A.A. approved for pilots. Complete with 5 ft, card and standard phone plug. Shbg. wt., 10 oz. Model 3791 — 64 ohms List 16.25 Net 10.73

TELEX HI-FI DYNASET

Sensitive Hi-Fi under-the-chin dynamic headset, 50-5000 cycle response to 25 kW, Midget 12V 6-ohm speaker built right into the plug. Light gray finish. Shbg. wt., 6 oz. Model 6701 — 6 ohms Complete... List 14.75 Net 8.67

TELEX MIDGET EARSET

The modern miniature earphone that slips on the ear. Convenient and comfortable to wear and holds receiver securely in place. 200 to 10,000 cycles frequency response. Reversible clear plastic frame for either ear. Metal frame unit available for eyeglass wearers. Weight ½ oz. less cord. Complete with 5 ft, card and standard phone plug. Shbg. wt., 7 oz. Model 4660 — 2000 ohms — Plastic Model 4670 — 128 ohms — Plastic... List 11.30, Net 6.64

TELEX CORD AND MINIATURE PLUG

5 ft, cord with 90° miniature plug. Shbg. wt., 5 oz. Model 9200 — 128 ohms — Complete... List 13.50 Net 8.55

TELEX TELA-EAR

New miniature earphone that slips over either ear. A light, sanitary crystal clear sound-transmitting sound directly into the ear without touching it with a button receiver. Standard UN delegate earphone. Cannot fail or break off. Sealed, rustproof receiver guarantee constant top performance. Complete with 5 ft, card and standard phone plug. Shbg. wt., 8 oz. Model 8561 — 2000 ohms — List 12.50 Net 7.35

TELEX DYNAMIC PILLOW SPEAKER

New dynamic miniature speaker gives ultimate in top quality without distortion. "Midget" design suitable for individual and institutional use. Stainless steel, moisture proof housing. 3/4" dia., 1/16" max. thickness. With 5 ft, card and standard phone plug. Shbg. wt., 8 oz. Model 8119 — 3.0 ohms List 10.20 Net 6.00

TELEX PILLOW SPEAKER

Only 2½" diameter and only ¾" thick! Ideal for comfortable radio or television listening through a pillow in bed or in a chair without disturbing others. Maroon waterproof plastic. Complete with 5 ft, cord and standard phone plug. Shbg. wt., 8 oz. Model 4500 — 128 ohms — List 10.70 Net 6.29

ALL PURPOSE DYNAMIC EARPHONE

- FOR RADIO & TV LISTENING
- FOR SUBMINIATURE, MINIATURE & TRANSISTOR RECEIVERS

A sensitive all-purpose earphone designed for your listening pleasure. Combines the range of a dynamic earphone with its special magnet to give you excellent reproduction. Light weight and comfortably mounted ear support that will fit comfortably over your ear in any style ear-set. Ideal for use with TV and radio sets, amplifiers, minia
ture and transistor receivers etc. Complete with 3 ft. cord. A super value for the price!

EARBUD SUPPORT

A light, transparent plastic earphone cover fits comfortably around ear and is practically invisible. Earphones can't slip out nor fall off. Has ¼" retaining hole for ear
cover. MB-260, MB-279, MB-270, MB-271 and MB-279. MS-280

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JIM GARRETT COLLECTION
SUBMINIATURE PHONE PLUG AND JACK

A miniature crystal photocell that is ideal for connecting, actuating, and sensing applications. Ideal for use in telephone networks, electronic circuits, and other applications. Available in a variety of colors and sizes. Perfect for use in experimental and educational projects.

SHURE 1 INCH MIKE

Specially designed for microphone "build it yourself" equipment. The microphone is a one-piece device, including a microphone case, a microphone cable, and a microphone stand. It is designed to provide excellent sound quality and durability.

TRANSMISSION SINE-WAVE GENERATOR KIT

A fully adjustable sine-wave generator that can be used to create sine waves of any frequency. It is perfect for use in audio and video applications, as well as for educational and experimental purposes.

PLASTIC CASES FOR MINIATURE ELECTRONIC GEAR

They're here! The miniature cases you've been clamoring for! Designed for use with your favorite miniature components, these cases are ideal for building small, compact electronic projects. Perfect for use in pocket-sized devices, these cases will keep your components safe and secure.

CIRCUITS KITS & COMPONENTS

A variety of circuit kits and components available for purchase. These kits and components are perfect for building your own electronic projects, and are available in a variety of sizes and shapes.

MINI-MIKE® TELEX SPEAKER-MICROPHONE

(model 100)

DYNAMIC SPEAKER-MICROPHONE

Truly an outstanding addition to the famous Telex line of high-quality transceivers and speaker-microphones. The Model 100 is a new dynamic speaker-microphone that is only 1 x 1 x 1 in size. It is equipped with a dynamic speaker and microphone, and it is designed for use with the 1000 series of Telex transceivers. The Model 100 is perfect for use in situations where space is limited, such as in vehicles, boats, and aircraft.

FLEA CLIPS FOR TRANSISTOR AND SUBMINIATURE CONTACTS

"Flea" clips are specially designed for subminiature work. They are perfect for use in model cars, radio control, and other small electronic projects. They are available in a variety of sizes and are easy to use.

PERFORATED BAKELITE BOARD FOR TRANSISTOR AND SUBMINIATURE CIRCUITRY

Ideal for mounting transistors and other small components onto circuit boards. These boards are made of high-quality bakelite and are perforated, allowing easy access to the components. They are available in a variety of sizes and are perfect for use in all types of electronic projects.

TELEX MINIATURE PHONE PLUG AND JACK

A miniature version of the standard phone plug and jack. It is designed for use in small electronic projects, and is perfect for use in situations where space is limited. It is available in a variety of sizes and shapes, and is compatible with standard phone jacks.

NEW! CABINET LIFETIME SILICON SOLAR CELL

The first device to convert useful amounts of the sun's energy directly and efficiently into electricity. Converter efficiency remains essentially constant even in poor light. Meets up to 0.5 volt on open circuit under direct noon sunlight, and converts solar energy to electrical power at a rate up to 19 minutes. Full rating is one p.s. per day. Will operate on infra-red light. Only 1/8" dia. X 1/2" thick. Alloyed with copper, silver plated. For use in small electronic projects.

NEW!...SHURE 1 INCH RECTANGULAR MIKE

Experiments delight! 1" rectangular microphone. Perfect for use in experiments and educational projects. It is a one-piece device, including a microphone case, a microphone cable, and a microphone stand. It is designed to provide excellent sound quality and durability.
BATTERIES TRANSISTOR, HEARING AID, PORTABLE, SUN

NEW! RCA TRANSISTOR BATTERIES

New RCA miniature batteries especially designed and con-
sstructed for Transistor, Hearing Aid, Portable, Sun

BURLINGTON REPLACES VOLTS SHIP. NET EACH

BURGESS REPLACES VOLTS SHIP. NET EACH

MALLORY MERCURY TRANSISTOR POWER-PAKS

INTERNATIONAL SELENIUM SUN BATTERIES

CONVERT NATURAL OR ARTIFICIAL LIGHT TO ELECTRICAL POWER ECONOMICALLY!

The International Sun Battery supplies electrical power to a load when exposed to sunlight or artificial-light sources, and is specially processed for high illumination levels and high current density operation. Mounted on bracket with 6" colored pigtail leads attached, for outdoor use in humid and atmospheric contaminants. The all-lead batteries are sealed in a case with plastic window, and mounted by four binding posts.

PORTABLE "A" & "B" COMBINATION PACKS

When ordering "A" & "B" packs, deduct 15% in last 2, inserted.

BURLINGTON REPLACES VOLTS SHIP. NET EACH

VALID FOR 1962-63 ONLY

PORTABLE "A" BATTERIES

PORTABLE "B" BATTERIES

FLASHLIGHT AND LANTERN BATTERIES

ELECTRONIC PHOTOFLOOD BATTERIES

PAGE 13
NEW! Revolutionary Design

2-GANG SUPER-HET Variable Condenser

"POLY-VARI-CON"

THE SMALLEST VARIABLE CONDENSER IN THE WORLD

5/8" x 1 1/16" x 1 1/16"

JIM GARRETT COLLECTION

365 MMF SINGLE GANG SUPER-MIDGECET VARIABLE CONDENSER

The newest and one of the finest single gang variable condensers on the market. Designed to give exceptional performance in TRF and experimental circuitry, 10 to 365 mmf single gang, Tunes through 180°. Completely enclosed in plastic case, 5/4" x 1¾" x 1½".

MS-374 Not 1.25

TRANSMITTER SUPER-HET LOOP ANTENNA

The latest transmitter loop antenna especially designed to match the input impedance of the RF stage in transistor super-het circuits. Requires maximum capacity of 208 mmf in RF section of variable condenser. Matched with the new Super Midget 2 gang variable condenser, MS-270 to give excellent sensitivity and selectivity through the entire broadcast band of 540-1560 kc. Wound on high efficiency iron core 3½" diameter x ½" dia.

MS-272-Ant. Coil Each Not .95

TRANSMITTER OSCILLATOR COIL

for 455 KC I.F.'s

261 variable condenser, with MS-277 coil, matches MS-261 variable condens. MS-265...in lots of 6, 49c Single, Each 79c

MATCHED TRANSITOR 455 KC I.F.'S

FERRITE CORE-SLUG TUNED - ONLY 1/2" SQ. X 3/4" H

Products of the latest engineering research, these 455 KC I.F. transformers are designed with improved ratios of primary to secondary turns and of capacity to inductance for perfect impedance matching. Extensive research has proven that matching 1st and 2nd I.F.'s having a primary impedance of 25,000 ohms and a secondary impedance of 600 ohms with a 3rd I.F. having a primary impedance of 25,000 ohms and a secondary impedance of 1,000 ohms gives vastly improved results in transistor superhet circuits. Lafayette is first to make these specially matched transistor 455 KC I.F. transformers available to you!

MS-268 1st and 2nd I.F.'s, primary impedance 25,000 ohms, secondary 600 ohms 89c

MS-269 3rd I.F. primary impedance 25,000 ohms, secondary 1,000 ohms 89c

MATCHED TRANSISTOR MINIATURE 2 GANG SUPER-HET VARIABLE CONDENSER

ONLY 15/16" x 1 3/16" x 1 5/16"

All the new miniaturized transistor operated sets such as GE, Regency, etc., are using this miniature 2 gang variable. Lightweight - both the frame and plates are aluminum. Smooth bell bearing action over entire 180° rotation. Balikate stator insulator. improves sensitivity. Capacity of 11 plates I.F. sections is 6.5 to 123 mmf; 9 plate oscillator section is 5.7 to 78.2 mmf. Effective range of trimmers 15 mmf. These add 2 mmf to minimum capacity. Capacity increases in counter clockwise direction. Flattened shaft, 7/16" diameter by 11/16" long. Frame size only 15/16" D x 1 3/16" W x 1 15/16" H. Shpg. wt. 5 oz.

MS-261 Each 95c

TRANSMITTER LOOP ANTENNA AND OSC. COIL

A loop antenna with a primary inductance of 700 microhertz, especially designed with the proper tap to match the input impedance required in transistor circuitry. Covers the entire broadcast band from 540-1650 KC when used with latest miniature type variable condensers such as used in G.E., Regency, or similar miniature sets. (Lafayette MS-261 is ideal). Requires minimum capacity of 125 mmf in IF section and 1000 mmf in oscillator section. Wound on high efficiency iron core 4" long x 1/4" diam.

MS-264 Each 89c

MS-265 Matching Oscillator Coil. In lots of 6, Each 69c Single, Each 79c

MINIATURE 365 mmf VARIABLE COND.

ONLY 3/16" Thick

A new type of variable condenser that is ideally suited for use in the building of transistorized and miniature equipment. Capacity variable from 19 to 365 mmf. Single gang; measures only 3/16" thick x 1 1/16" square. Bushing and shaft extend ¾", 180° rotation.

MS-215 Not 69c

MATCHED SET TRANSISTOR ANTENNA LOOP AND OSC. COIL FOR USE WITH 365 MMF CONDS. SUCH AS MS-142

A Transistor Loop Antenna with a fixed Inductance loop specially designed with 3/16" diameter Ferrite Rod to induce adequate signal to the first stage. Inductor is tapped to match an input impedance of 600 ohms. Frequency range 340-1650 Kc. Used with variable condenser having a maximum capacity of 365 mmf.

Dimensions 9/16" x 4/5".

MS-166 NET 1.25

OSCILLATOR COIL

Designed for transistor circuits to supply the local oscillator energy to mixer stage. Intermediate frequency 455 Kc. Used with a variable condenser maximum capacity of 365 mmf. Mounting clip fits into 3/16" diameter hole. Dimensions 5/16" x 11/16" high.

MS-165 Not 69c

PAGE 10 JARRETT COLLECTION
100% SUBMINIATURIZED 6 TRANSISTOR SUPER HET CIRCUIT

BUILD A 6 TRANSISTOR SUPER HET RECEIVER

- 100% SUBMINIATURE PARTS—NO COMPROMISES!
- LABORATORY DESIGNED—SENSITIVE, SELECTIVE, STABLE!
- CLASS B PUSH-PULL AMPLIFICATION—PLENTY OF POWER!

This circuit has been especially developed for the experimenter and engineer who wants a set of really-commercial quality. To make it possible, Lafayette has made available all the herefore impossible to find subminiature electronic parts. The circuit uses 3 RF Transistors, 3 Audio Transistors, a crystal diode and features specially matched set of 3 I.F.'s, Oscillator, High Q Loop, Class B P.P. Audio Amplification, Transformer Coupling in Audio and output stages. Special care has been taken in the design for exact impedance matching throughout to assure maximum transfer of power. We supply all the basic electronic components, leaving chassis and cabinet and physical layout to your ingenuity.

COMPLETE LIST OF PARTS—LESS CHASSIS AND CASE

All parts may be purchased individually.

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Complete List of Parts as listed above for 6 Transistor Super Het Circuit.

Cl-100 Net 33.56

*Alternate Components
MS-261 Variable Condenser (.95) and Matching Loop Antenna MS-264 (.95).

If you desire to use a speaker with 3.2 ohm voice coil, use AR-119 output transformer instead of AR-120

AR-120 Transformer Matches 10-12 Ohm Voice Coil Speakers Such As RCA Speaker 2 1/2" SK-39
AR-119 Matches 3.2 Ohm Voice Coil Speakers
When using the New ULTRA-MINIATURE POLY-VARI-CON Variable Condenser, use Matching Loop Antenna MS-272: When using Variable Condenser MS-261, use Matching Loop Antenna MS-264: Oscillator MS-265 can be used with either condenser: SCHEMATIC DIAGRAM ON REVERSE SIDE.

LAFAYETTE SPECIALIZES IN MINIATURE PARTS FOR TRANSISTOR CIRCUITS
100% SUBMINIATURIZED 4 TRANSISTOR SUPER HET CIRCUIT

POCKET SIZE 1 3/16” x 2 1/2” x 3 1/2”—BUILT-IN ANTENNA! REQUIRES NO EXTERNAL ANTENNA OR GROUND! FEATURES THE NEW ULTRA-MINIATURE POLY-VARI-CON! 2 I.F. STAGES AND 2 RC COUPLED AUDIO STAGES!

BUILD THIS FASCINATING SUPERHET RECEIVER

The introduction of the new, radically different Argonne POLY-VARI-CON ultra miniature variable condenser has made possible this truly subminiature superhet circuit that eliminates the need of outside antenna or ground. Lafayette has promptly designed the circuit published above to enable experimenters and engineers to build this unique set that covers the entire broadcast band. You'll be amazed at the performance of this circuit which employs 4 transistors (2 high frequency types and 2 audio types) plus a germanium diode, 2 I.F. stages and 2 resistance coupled audio stages which feed into a miniature earphone. The truly subminiature parts—from the 2-gang variable condenser that measures only 1 1/16” square by 3/8” to the tiny I.F.—I will delight you. You can mount the entire set on a piece of bakelite board only 2 5/8” x 4 1/4” like the layout illustrated above. You can put the entire set in an inexpensive plastic box. We supply all the basic electronic components including a 2 5/8” x 4 1/4” board which can be cut to any convenient size leaving cabinet and physical layout to your ingenuity. Complete schematic supplied free.

QUANT. STOCK NO. DESCRIPTION NET EA.
--- --------- ----------------- ------
1 MS272 Poly-Vari-Con 2-gang Tuning Condenser 1.95
1 MS273 Loop Antenna .95
1 MS274 Oscillator Coil .75
2 MS265 1st I.F. Transformer .85
2 MS266 2nd I.F. Transformer .85
1 GE2N-136 Transistor 3.10
2 GE2N135 Transistor 2.70
2 GE2N107 Transistors ea. 1.55
1 C-601A .003 Disc Ceramic Condenser .09
1 C-601 .01 Disc Ceramic Condenser .19
2 CF120 2 mf 15v Electrolytic Condenser .10
2 CF123 20 mf 15v Electrolytic Condenser .33
1 CF100 2 mf 6v Electrolytic Condenser .39
1 VC35 25k ohm potentiometer w/switch .69
1 HH64 Crystal Diode .50
1 VS309 8v battery VS-309 9-volt .84
1 MS265 Transistor Sockets ea. 1.19
2 S206A 350 ohm 1/2 watt Resistor .05
1 S206B 1000 ohm 1/2 watt Resistor .05
2 S206C 3300 ohm 1/2 watt Resistor .05
2 S206D 4700 ohm 1/2 watt Resistor .05
2 S206E 10,000 ohm 1/2 watt Resistor .05
2 S206F 100,000 ohm 1/2 watt Resistor .05
2 S206G 220,000 ohm 1/2 watt Resistor .05
1 MS293 Basket Mounting Board .15
1 Volume Control Bracket .05
1Phillips Screw .02

For Inexpensive Transparent Plastic Cases See PAGE 12.

3 TRANSISTOR WRIST WATCH RADIO FOR EARPHONE OPERATION

$24.95 (less battery)

This all transistor radio is not a kit but is completely wired on a printed circuit board, and housed in a rugged plastic case with a stainless steel expansion wrist band. The new regenerative RF reflex circuit allows good selectivity and minimum sensitivity. It covers entire broadcast band, 550 to 1600 kc. Operates on one 9-volt mercury battery that lasts about 100 hours. Lightweight—weights only 2.5 oz. Comes complete with earpiece but not battery. Shpg. wt. 1 lb.

WRIST WATCH RADIO WITH EARPIECE ...........................................(less batteries) 24.95
MALLORY TR-143R BATTERY ............................................. 1.49

JIM GARRETT COLLECTION
Transistor Circuits & Kits

Two Transistor Pocket Radio Receiver Kit

With Regenerative Circuit and Transistor Transformer Audio Stage

Packed into a 2 1/2" x 3 1/2" x 1 3/8" plastic case, this Two Transistor Radio Receiver Kit offers many surprises. Regeneration "Sous Up" the performance of transistor receivers. Simple transistor radios without regeneration are just crystal detectors followed by audio amplification and there is no R.F. amplification, and sensitivity and selectivity are always poor. In contrast With this, this Lafayette (Kit) KT-58, utilizing a regenerative detector circuit and one stage of transformer coupled audio, gives you high gain and sharp selectivity. In the wee hours, you may pull in stations half-way around the country. At the beach, on picnics or camping trips, the set will deliver almost undistorted audio on the dial, with more than ample volume. It has more battery life than you would dream of getting from a tiny 15 volt battery. The kit comes complete, with TWO TRANSISTORS, Argonne specially designed Transistor Audio Transformer, Dynamic Earphones, Bakelite Board for mounting parts, Transparent Plastic Case, Condensers, Resistors, etc., including Schenectady and Instructions. Shpg. Wt. 1 1/2 lbs.

KT-58A Complete kit with batteries but earphone. Net 11.80
KT-58 as above but with MS111 crystal earphone. Net 12.30
MS180—Super power, high output dynamic earphone for optimum results. Net 3.95

For those interested in mastering the international code, an audio tone oscillator is essential. The circuit of this transistorized feedback oscillator has the simplicity of the neon glow, the signal strength of the vacuum tube, and requires only two penatile cells for weeks of service. It may be used for solo practice, or two may send and receive with the same unit. Kit comes complete with Transformer, Telegraph Key, Resistors, Condensers, Stand-out Board, etc., and Schematic Diagram. KT-72 Including batteries. Shpg. Wt. 1 1/2 lbs. Net 2.99
Cameron Cei—Single Headset Net 1.13

Transistor Audio Amplifier for Speaker Operation Class "B" Push Pull Transformer Coupled 1/4 Watt Power Output

Transformer coupling between transistor amplifier stages provides impedance matching and allows the use of low stages for the same overall gain than reinterstage coupling. With the new Lafayette KT-69 Kit, you can now build a self-powered (4 1/4 volt penatile cells) push-pull Class "B" transistor audio amplifier having a frequency response from 100-8,000 c.p.s., and the overall power gain is in excess of 50 db. The Argonne Transistor Transformers used in the kit were specially designed for transistor circuits. An important feature of these transformers is their high inductance and low DC resistance. The total harmonic distortion at 400 cycles and 190 m.w. is 0.9%. Kit comes complete with 3 Transistors, 2 Argonne Push-Pull Input and Output Transformers, Battery Holders, Condensers, Resistors, Aluminum Chassis, 9 x 4 x 1 1/2" and Schematic Diagram.

KT-69 Complete Kit Including Batteries. Shpg. Wt. 2 lbs. Net 1.395

Two Transistor Preamplifier Kit

Humless — Distortionless — Noiseless

To you, the experimenter, with the Lafayette KT-71 you can now build a simple transistor preamp, in a matter of hours, for a cost considerably less than that of the commercially available single-ended magnetic pickup preamps. The overall result will be a noiseless, humless, and virtually distortionless Amplifier. A straightforward circuit is used with grounded emitters and no triode feedback (see diagram). The output impedance is very low and therefore low leakage from the preamp gain can be had. The complete unit is mounted on aluminum chassis size 5" x 4" x 1" power supply and all. There are features to this little job not to be overlooked. The hum is practically eliminated by the preamp so low that the unit may be mounted directly below the arm on a changer. The kit comes complete with Two Transistors, Battery Holders, Resistors, Condensers, Aluminum Chassis, etc., and Schematic Diagram, and batteries.

KT-71 Shpg. Wt. 2 lbs. Net 7.75

"Build The Geigamp" Circuit

Described in April 1956 Popular Electronics

A highly efficient Geiger Counter Transistorized Amplifier Circuit for speaker operation. This Transistor Geigamp Amplifier will make your Geiger Counter clearly audible through a speaker with volume to spare. Just plug it into the Geiger Counter!

LIST OF PRINCIPLE PARTS

Symbol Stock Description Price
R1 VC-35 15,000 ohm subminiature .49
R2 S206A 22,000 ohm 1/2W resistor .85
R3 S206A 400 ohm 1/2W resistor .85
C1 Aerovox type P-82 0.5 mfd. 200V metalized 0.62
V1, V2, V3 GE 2N107 transistor. .75
AR-109 transistor driver transformer. .75
T2 AR-119 transistor output transformer. .75
SW1 8-W-14 switch .50 each
SK-9 PM speaker 2 1/2" dia. 3 3/4 ohm .12
Mallory RM-1R Battery 4 Ena. (1.5 volts) .38 each .40
ICA 239077 Cabinet Aluminum, 3 x 3 1/2" x 2" (cut to size). .41
NEW! PRACTICAL! PROGRESSIVE!

Lafayette's transistor lab kits will introduce you to the new miracles of the electronic age — the transistor. You build practical operating units with both NPN and PNP transistors that teach you the fundamentals of transistor circuitry. Additional kits expand the usefulness of the basic kit without duplicating parts so you can economically carry on further experiments. And Lafayette will have more expansion packages for you in the future. Start now!

THE 5-IN-1 BASIC KIT

- BUILD A SIMPLE RECEIVER
- BUILD A REGENERATIVE RECEIVER
- BUILD A CODE TRANSMITTER
- BUILD A LIGHT-POWERED RECEIVER
- BUILD A CODE PRACTICE OSCILLATOR

With the basic, 5-In-1 Kit you can build any of these 5 projects. They are simple to assemble from the instructions and each in turn utilizes basic principles and some of the circuitry of the previous project. You build not only such basic unit as receivers and code oscillators but even a transmitter operated by a sun battery! You learn to work with sub-miniature parts such as the exclusive Lafayette variable condenser that is only 3/16" thick by 1/2" square. Kit is complete with all parts, schematics, pictorials and instructions. Kits, headphones, tips and solder... Net 11.95

KT-88...5-In-1 BASIC KIT
CANNON EC-1...HEADPHONE MS-272...SENSITIVE MINIATURE EARPHONE

13-IN-1 EXPANSION KIT

- SENSITIVE PHOTO CELL RELAY - RAIN ALARM
- LIGHT-POWERED OSCILLATOR - ELECTRONIC RELAY
- SIMPLE PHOTO CELL RELAY - HIGH GAIN RECEIVER
- ELECTRONIC METRONOME - WIRELESS MICROPHONE

An exciting addition to the KT-88 kit to enable you to continue this fascinating and educational program of instruction, including the making of printed (etched) circuitry. The additional parts, diagrams and instructions (along with the parts in the basic 5-in-1 kit) cover the 8 added projects listed above. You'll be able to do such interesting things as broadcasting through your radio without connecting wires, detect moisture in rain, make light actuated relays and much more. And when you've done all these, you can look forward to more Lafayette expansion kits to increase the utility of the kits you already have. Kit is complete with all parts and instructions. Shpg. wt. 3 lbs. Net 7.50

KT-89...EXPANSION KIT

18.75

TRANSMITTER REMOTE CONTROL RECEIVER KIT

FOR MODEL PLANES, BOATS AND CARS

LAFAYETTE'S KT-84 CITIZEN BAND

- THE MIGHTY MITE OF THE R/C FIELD
- WEIGHTS 1 OZ. • 100% SUB-MINIATUREIZED

Lafayette takes the lead in the popular R/C field with this super sensitive and efficient subminiature transistORIZED "Citizen Band" receiver kit. Operates on 27-295 MC and can be used with any "Citizen Band" remote control transmitter. A perfect mate for Lafayette Remote Control Transmitter Kit KT-87. Planned for compactness and ruggedness to withstand severe vibration and shock, yet weighs no more than 1 oz. 2 1/16" L x 1 1/8" W x 1 1/16" D. Overall. Uses one 9-V and one 45V batteries. Battery size depends on size of model.

KT-84...Less Batteries Net 11.75

11.75 REMOTE CONTROL ESCAPEMENT

- At the lowest price anywhere!
- Weighs less than 1/2 oz.

A fine, sturdy self-neutralizing escapement. Completely wired into a Kit. Converts electronic impulses from remote control receiver to mechanical motion for varying movement of plane, boat, or car. Very low current drain. Sizes: 1 1/8" x 1 1/2", W. Shpg. wt. 5 oz.

P-194 Net 2.45
LAFAYETTE Leads the Field in TRANSISTORS & Components

5 TRANSISTOR AUDIO AMPLIFIER KIT

17.50
- Class B Push-Pull Output for speaker operation
- Preamp stage for magnetic cartridges
- Input for magnetic cartridge or crystal m'ke
- Input for crystal cartridge or tuner

Here is the first practical completely transistorized audio amplifier kit using 5 transistors and 2 special Armone push-pull input and output transformers. The inputs are provided, one for magnetic cartridge and crystal m'ke, one for crystal cartridge and radio listeners. Operates on only 4-1/2 volts. Telefoons and a specially designed miniaturized 365 Variable Condenser permitting the entire receiver to be built in a plastic case size 3" x 2" x 1". The 1N64 Crystal Diode is used as a detector, the transistor is connected as a grounded emitter amplifier. This receiver with a 50 feet antenna and good ground will bring in good reception over a 20 mile radius. The kit comes complete with transistor, crystal diode, battery holders, batteries, condensers, resistors, plastic case, etc. 115 page booklet showing more than 50 practical applications. Size 2 1/4" x 2 3/4". Including batteries.

KT-82 Including batteries Net 17.50

CADMIUM SULPHIDE PHOTOCELL RELAY KIT

11.50
Cadmium sulphide is another semi-conductor used as the active material in modern photocells. This kit utilizes a miniature cadmium sulphide photocell has a high sensitivity, serves as the heart of burglary alarm systems, lightning protection systems, door openers, motor or similar devices. The control circuits are operated directly from the 110 volt A.C. line. Relay circuit is operated directly from the 110 volt A.C. line. Relay contacts relaid at 2.5, 9.000 Ohms Per Volt AC. Kit comes complete with crystal, photocell, tube, resistors, condensers, metal case and chassis, Shpg. wt. 2 lbs. Schematic diagram and instructions. Shpg. wt. 4 lbs.

KT-81—Complete Kit Net 11.50

TRANSISTOR POCKET RADIO RECEIVER KIT

4.95
Utilizing One Transistor and Crystal Diode Detector with New Miniature 365 mmf Variable Condenser

Here is an ideal low cost transistor radio kit for students, hobbyists, operators, who desire to obtain a practical knowledge of transistorized circuits. The circuit utilizes a 1N563 silicon diode and a specially designed miniaturized 365 Variable Condenser permitting the entire receiver to be built in a plastic case size 3" x 2" x 1". The 1N64 Crystal Diode is used as a detector, the transistor is connected as a grounded emitter amplifier. This receiver with a 50 feet antenna and good ground will bring in good reception over a 20 mile radius. The kit comes complete with transistor, crystal diode, battery holders, batteries, condensers, resistors, plastic case, etc. 115 page booklet showing more than 50 practical applications. Size 115 page booklet showing more than 50 practical applications. Size 2 1/4" x 2 3/4".

KT-80 Complete Kit (less earphones) 4.95
1 Miniature Crystal Fm Receiver MS-111 1.49

TRANSISTOR TELEPHONE PICK-UP AMPLIFIER KIT

TWO CAN LISTEN ON SAME PHONE CONVERSATION

With this inexpensive Kit you can build a tiny transistorized telephone pick-up amplifier, with which two people can listen in on telephone conversations without the need of an extension phone. Also serves as a high gain amplifier to feed into a tape recorder, for recording telephone conversations. Can also be used as a portable amplifier with crystal microphone and matching transformer. Kit comes complete with transistor, crystal diode, coupled audio for high gain and two R-C, coupled stages. Kit comes complete with 3 Transistors, Transistor Audio Transformer, Condensers, Resistors, etc., and Plastic Case. Shpg. wt. 1 lb.

KT-76 Complete Kit (Less Telephone Pick-Up and Earphones) Net 9.45
MS-16 Telephone Pick-Up 2.95
MS-111—Crystal earphone for above 1.49
MS-260—Super power high output dynamic earphone for optimum results. Net 3.95

BUILD A TRANSISTOR VOLTMETER

A Simple Transistor Amplifier Circuit Which Can Be Added to Standard O-1 ma Meter To Increase Sensitivity By a 10:1 Ratio Increase Sensitivity to 100,000 Ohms Per Volt DC and 10,000 Ohms Per Volt AC. Almost every serviceman, ham, school or commercial laboratory has a 0-1 milliammeter meter on hand. A compact and rugged voltmeter of High Sensitivity, 100,000 Ohms Per Volt DC and 10,000 ohms per volt AC, has been designed by Transistors in cascade to operate a 0-1 milliamperere meter movement (powered by a single 1.5 volt penlight cell) and thus increase the sensitivity of the meter by a factor of 10 to 1. It can be used in place of a VTVM. Full scale ranges are 1, 10, 100 and 1,000 volts DC at 100,000 Ohms Per Volt and 10, 100 and 1,000 volts AC at 10,000 Ohms Per Volt. No batteries are needed. You can purchase any or all the parts needed to build this highly sensitive instrument.

KT-74—COMPLETE LIST OF PARTS Net 14.95

ESSENTIAL PARTS LIST

1 0.1 milliamperes Meter #DS-10 4.50
2 CX-22 Transistors @ .99 ea. 1.98
2 Transistor Socket @ .19 ea. .38
1 Rectifier 1N66 Diode #X1269 .63
1 0.5 of Paper Capacitor #X1269 .37
1 S.P.S.T. Slide Switch #SW-14 .12
1 D.P.D.T. Slide Switch #SW-17 .32
330K .5 watt Resistor 5% .10
4.7K 50 watt Resistor 5% .10
470 ohms 1/2 watt Resistor 5% .10
1,000 ohm wound Pot. Clarostar 50-1000 .82
200 ohm wound Pot. Clarostar 50-200 .82
82K 1/2 watt Resistor 5% .10
82K 1/2 watt Resistor 5% .10
15K 1/2 watt Resistor 5% .10
1meg 1/2 watt Resistor 5% @ .10 ea. .30
1 3.3 Meg. 1/2 watt Resistor 5% @ .10 ea. .30
1 100K 1/2 watt Resistor 5% .10
1 1M 1/2 watt Resistor 5% .10
2 100K 1/2 watt Resistor 5% .10
1 Bokelite Case 5/8" x 3/4" x 3/4" and Aluminum Panel (undrilled) 2.95
1 115 Page Book, showing Schematic and detailed instructions, as well as 50 other practical Transistor Circuits and How-To-Do-It Instruct.ons .30
**NEW! TRANSISTOR CHECKER KIT**

**PIONEER • LEADER in TRANSISTOR KITS, CIRCUITS and PARTS**

**TRIUMPHS AGAIN!**

**ANOTHER LAFAYETTE FIRST!**

- Checks P-N-P and N-P-N Transistors
- Indicates at a glance — good, bad, high leakage and shorts
- Current gain checked with flip of switch

Lafayette forged ahead in the transistor field with its amazing new P-N-P and N-P-N Transistor Checker. Indispensable to the experimenter, dealer, serviceman and kit builder. Because of the difficulties encountered in transistor manufacture, it is almost impossible to control close tolerances. Lafayette Transistor Checker KT-86 A is a must that saves you frustration and time. It checks both P-N-P and N-P-N transistors for leakage and shorts, and indicates at once whether transistor is good or bad. A flip of the switch reveals the current gain of the transistor is immediately shown on the test led. An ideal quality check! Pioneer and leader in the field of transistor kits, circuits and parts, Lafayette takes pride in offering this reliable checker to the transistor field at a price which only Lafayette know-how can make possible.

**KT-86A — Transistor Checker Kit**

**$7.95**

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**SENSITIVE TRANSISTORIZED FIELD STRENGTH METER CIRCUIT**

Described in July and August 1955 Issues of The Aerovox Researcher®

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<td>R7</td>
<td>68Z-111*</td>
<td>IGA 28443</td>
<td>$0.80</td>
</tr>
</tbody>
</table>

- Parts May Be Purchased Individually

---

**CONELRAD TRANSISTOR POCKET RADIO FOR CIVIL DEFENSE BANDS**

Described in April 1956 Issue of Radio Television News

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Stock No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1, R2</td>
<td>S206A</td>
<td>200,000 Ohm 0.5%</td>
<td>$0.20</td>
</tr>
<tr>
<td>C1</td>
<td>S210J</td>
<td>100uf 100v 6%</td>
<td>$0.10</td>
</tr>
<tr>
<td>C2</td>
<td>Aerovox PBSZ</td>
<td>$0.30</td>
<td></td>
</tr>
<tr>
<td>C3</td>
<td>GE 144A</td>
<td>1uf 100v 6%</td>
<td>$0.20</td>
</tr>
<tr>
<td>L1, L2</td>
<td>Malleco 1.5A</td>
<td>$0.30</td>
<td></td>
</tr>
<tr>
<td>CH1</td>
<td>Aerovox 1N34</td>
<td>$0.30</td>
<td></td>
</tr>
<tr>
<td>CH2</td>
<td>Burgess Z</td>
<td>0.1uf 100v 6%</td>
<td>$0.20</td>
</tr>
<tr>
<td>V1, V2</td>
<td>GE 2N107</td>
<td>$0.15</td>
<td></td>
</tr>
</tbody>
</table>

- Parts may be purchased individually
- Choice of Chassis, Case and Hardware left to builder.

Also Required: Single Earphone — MS-11.......

- Connect across output of receiver

**Lafayette Super Power Dynamic Earphone MS-260...**

**$3.95**

---

**A TRANSISTOR TIMER**

Described in October 1953 Issue of Radio Television News

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Stock No.</th>
<th>Description</th>
<th>Net Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1</td>
<td>CF-126</td>
<td>100uf 16V Electrolytic Cap</td>
<td>$0.50</td>
</tr>
<tr>
<td>R1</td>
<td></td>
<td>2600 Ohm 1/2W Resistors</td>
<td>$0.10</td>
</tr>
<tr>
<td>S1</td>
<td>12774</td>
<td>2000 Ohm Potentiometer</td>
<td>$0.20</td>
</tr>
<tr>
<td>S2</td>
<td>5W-10</td>
<td>SPST Push-Button Switch</td>
<td>$0.10</td>
</tr>
<tr>
<td>V5068</td>
<td></td>
<td>SPST Toggle Switch</td>
<td>$0.20</td>
</tr>
<tr>
<td>MS-175</td>
<td></td>
<td>6 Volt Battery</td>
<td>$0.50</td>
</tr>
<tr>
<td>MS-175</td>
<td></td>
<td>Battery Holder</td>
<td>$0.10</td>
</tr>
<tr>
<td>MS-175</td>
<td></td>
<td>Relay, 5000 Ohm Coil</td>
<td>$0.50</td>
</tr>
<tr>
<td>MS-252</td>
<td></td>
<td>Transistor</td>
<td>$0.50</td>
</tr>
<tr>
<td>ICA 29460</td>
<td></td>
<td>Transistor Socket</td>
<td>$0.50</td>
</tr>
<tr>
<td>0885</td>
<td></td>
<td>Gray Hammertime (undrilled)</td>
<td>$0.10</td>
</tr>
<tr>
<td>MS-228</td>
<td></td>
<td>Terminal Strip</td>
<td>$0.10</td>
</tr>
<tr>
<td>MS-228</td>
<td></td>
<td>3-36 x 1/8&quot; Screws (4)</td>
<td>$0.10</td>
</tr>
<tr>
<td>MS-228</td>
<td></td>
<td>3-36 Nuts (4)</td>
<td>$0.10</td>
</tr>
</tbody>
</table>

- Complete list of Parts as Above

**$12.39**

---

**CONELRAD TRANSISTOR POCKET RADIO FOR CIVIL DEFENSE BANDS**

Described in April 1956 Issue of Radio Television News

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- Parts may be purchased individually
- Choice of Chassis, Case and Hardware left to builder.

Also Required: Single Earphone — MS-11.......

- Connect across output of receiver

**Lafayette Super Power Dynamic Earphone MS-260...**

**$3.95**

---

**A NATURAL FOR THE PHOTO LAB**

A "natural" for the photo lab, this timer requires no external power source and offers a wide range of timing intervals. Most electronic timers exhibit two disadvantages—they require a source of line voltage and they become extremely warm when left on for any length of time. Both disadvantages result from the necessity of using vacuum tubes and comparatively high voltages. With these problems in mind, an effort was made to design a timer that would meet the following specifications: (a) Simple in construction and wiring; (b) Easy to operate (c) Completely self-contained, using no line-power; (d) Generating as little heat as possible; (e) Rugged, yet compact.

**Lafayette Radio NEW YORK 13, 106 Sixth Ave. BOSTON 10, 110 Federal St. NEWARK 7, 24 Central Ave. PLEASFIELD, 139 W. Second St. BROOKLYN 58, 542 E. Fourth St.**

PAGE 22
JIM GARRETT COLLECTION

**New! GE TRANSISTOR TESTER**

- **A LOW COST TRANSISTOR TESTER**
- **PLUS**
- **5 POPULAR RADIO-REPLACEMENT TRANSISTORS**

An attractive completely assembled transistor tester that checks all PNP and NPN transistors for Good-Bad-Leakage and Gain, has easy-to-read colored scale that indicates GOOD-FAIR-POOR on leakage test, and a separate graduated scale for GAIN test. Meter can be zero adjusted for additional accuracy.

Includes 5 popular quality radio-replacement transistors consisting of high frequency BF-Transistors, 2N137, 2N136 and 2N135, and of audio quality 2N78 and 2N44, Complete with easy-to-follow instructions and Transistor Interchangeability Information for the popular transistor radio sets.

GE Transistor Tester - Complete...

...Net 39.50

---

**Smallest PM Speaker Made**

**FOR TRANSISTOR AND SUBMINIATURE CIRCUITS**

SIZE: 1 1/2" Dia. x 15/16" Deep

At last — the tiny super speaker you’ve been searching for! Designed by Engineer’s delight for Transistor and subminiature receiver amplifiers. The smallest PM Speaker modle Only 1 1/2" diameter by 15/16" deep. Alnico 5 magnet — 10 ohm voice coil — total weight only 1 1/2 oz. Surprising high frequency range and output for its size. Mounts at front by four 1/8" mounting holes on 1-1/32" x 1-1/32" mounting centers. A true Transistor first super speaker at this unbelievable low price! Shop. wt., 6 oz.

**SPEAKER WITH OUTPUT TRANSFORMER**

With 1/4" x 1/4" x 11/16" 1/2 oz. matching transformer — matches 2000 ohms to 10 ohm voice coil. (Suitable for most transistor outputs.) Shop. wt., 8 oz.

---

**SAFEGUARD YOUR HOME — BUILD A THERMOSTAT FIRE ALARM**

AN EFFECTIVE AND INEXPENSIVE SYSTEM TO WARN OF FIRE IN ITS EARLIEST STAGES

Described in March, 1956 Popular Electronics

---

**RCA 2 3/4" PM SPEAKER**

- **REGULAR $4.90 VALUE**

This is the same miniature speaker used in hundreds of thousands of personal portable radios. Leave it to Lafayette — to offer it at an unheard of price! A genuine RCA 2 3/4" PM speaker — 1 oz. Alnico 5 magnet — 10 ohm voice coil — all depth-preflated — ready for mounting. Just what you’ve been needing for minature equipment — receivers — your own personal transistor circuits — wherever a really small, efficient speaker is needed! Shp. wt., 8 oz.

**CHICAGO TRANSISTOR TRANSFORMERS**

1/4" x 3/8" x 3/8"

Smallest iron core audio transformer ever built! For Transistor and low power applications. Weighs less than 1/10 oz. All 1/4" x 3/8" x 3/8" except UM-110 — 1/4" x 3/8" x 1/2".

---

**VECO THERMOSTATS — VARIATORS**

- **MOST VERSATILE CIRCUIT ELEMENTS EVER DEVELOPED!**
- **A ROOM TO THE ENGINEER AND EXPERIMENTER**

These tiny semi-conductors are highly sensitive to thermal or voltage changes. Thermostats and Variators have almost unlimited use in temperature measurement, control and compensation. Switching, flow and power measurement, current detection, gas controls, time delayed, temperature protection, voltage regulation, feed-back amplifier gain control, volume control, etc.

**LIST OF PRINCIPAL PARTS**

**RCA**

- **2 3/4" PM SPEAKER**

- **REGULAR $4.90 VALUE**

This is the same miniature speaker used in hundreds of thousands of personal portable radios. Leave it to Lafayette — to offer it at an unheard of price! A genuine RCA 2 3/4" PM speaker — 1 oz. Alnico 5 magnet — 10 ohm voice coil — all depth-preflated — ready for mounting. Just what you’ve been needing for minature equipment — receivers — your own personal transistor circuits — wherever a really small, efficient speaker is needed! Shp. wt., 8 oz.

---

**JIM GARRETT COLLECTION**

PAGE 23
**NEW! EXCLUSIVE!**

**SLIM DYNAMIC MICROPHONE**

- **DUAL IMPEDANCE 50,000 AND 250 OHMS**
- **HIGH OUTPUT**
- **50-11,000 CYCLES**
- **USE ON STAND OR AS HAND MIKE**

Again Lafayette leads the field with the latest design in slim type microphones. Here is a high-output dynamic mike of exceptional quality packed with both electrical and mechanical features at a price 1/3 that of any comparable microphone on the market today. Has very smooth response from 50-11,000 cycles. Built-in external switch gives you choice of either high impedance (50,000 ohms) or low impedance (250 ohms). Omni-directional litivity head. Bracket has standard 1/2"-27 thread for use on stand. This bracket is instantly removable so mike can be hand-held. Has cast case with satin-chrome finish and acoustically treated grille head. Ruggedly constructed, lives 5" long, 1/2" dia. barrel. Shpg, wt. 2 lbs.

**PA-29**

- In lots of 3, Each 9.25
- Singly, Each 9.95

---

**SLIM DYNAMIC MICROPHONE CONNECTORS**

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-M1F</td>
<td>Female with coupling ring</td>
<td>21</td>
</tr>
<tr>
<td>75-M1M</td>
<td>Male. Fits above connector</td>
<td>21</td>
</tr>
<tr>
<td>75-P1M</td>
<td>Male non-shortening, chassis mount, fits MCIF</td>
<td>23</td>
</tr>
<tr>
<td>75-CL-P1M</td>
<td>As above, except closed circuit</td>
<td>23</td>
</tr>
<tr>
<td>75-CL-P1M</td>
<td>Angle type, female connector coupling ring. Use with P1CM, etc.</td>
<td>23</td>
</tr>
<tr>
<td>75-M1P</td>
<td>Adaptor. Connects MCIF to standard phone plug</td>
<td>30</td>
</tr>
</tbody>
</table>

---

**FLEXIBLE GOOSENECK**

Attaches to any mike stand. Can be used where moderate adjustment is required. 1/4-27 thread. Male and female ends. Chrome finish.

**LAFAYETTE NEW UNBEATABLE PRICES!**

**NEW!**

**HAND HELD**

**STAND MOUNTED**

**UNIVERSAL DESIGN—MAY BE HAND-HELD, STAND-MOUNTED OR SUSPENDED BY LAVALIER CORD. ALL ACCESSORIES FURNISHED.**

**FREQUENCY RESPONSE 60-10,000 CPS • ON-OFF SWITCH**

Here is a unique design in a high quality crystal microphone. It is slim in design, measuring only 6" long including cable connector. Mike itself measures only 4 1/2" L x 1 1/2" max. diam. and weighs only 6 oz. The special swivel stand adapter fits on all standard 1/4"—27 stands and clamps to body of mike. Clamps rotate through 180°. The lavalier cord fits comfortably around neck, is adjustable for proper length and terminates in a bracket to hold microphone in proper position. This makes it ideal for lecturers, demonstrators, etc., who must move about with both hands free. Has wide range smooth response for both music and voice and omnidirectional pickup pattern. Leverages type on-off slide switch is built-in, Attractive brush nickel finish. Nothing like this has ever been offered before for less than about 3 times our price. Complete package consists of microphone, 7 ft. detachable cord, with cable connector, swivel stand adapter and lavalier cord with bracket. Shpg. wt. 2 lbs.

**PA-31**

- Singly, Each 5.95
- In lots of 3, Each 5.65
- $1.49

**PA-32—DESK MICROPHONE STAND**

---

**ATLAS "FULL GRIP" MICROPHONE STANDS**

The "full-grip" clutch mechanism and smooth-acting telescoping tube, permits fast, quiet adjustments at all times without wear or slipping. Height adjustment from 35" to 64". Gray swivel base gives maximum stability and includes self-leveling, shock-absorbing base pads plus three additional "soft-tip" points located between the base pads. Full chrome plated tube assemblies for lifetime wear. Base diameter 10". All models terminate in a 1/2"-27 thread. Shpg. wt. 9 lbs.

**Atlas Model MS-10C**

- Same as above except heater and with tube extension to 60". Shpg. wt. 13 lbs.
- Atlas Model MS-12C
- Atlas Model MS-11C

**Reg. Price**

- 4.15

**ATLAS "VELVET ACTION" DESK STANDS**

MODEL TS-5 ADJUSTABLE

A decorative and fine appearing stand suitable for use on a banquet table. Uses "full-grip, velvet action" control adjustable from 18" to 35". Full chrome finish base and tube assembly. Base diameter 6". Supplied with base pads.

** Atlas Model TS-5-Shop. wt. 5 lbs.**

** 5.29**

**MODEL D5-S FIXED.** Same finish and workmanship as floor models. 6" fixed height. Base diameter 6".

**Felt base pads included.**

** Atlas Model D5-S-Shop. wt. 2 lbs.**

** 1.76**

**MODEL DS-7 ADJUSTABLE.** From 6" to 13". Uses heavy duty 9/16" and 3/4" tubing.

** Atlas Model DS-7-Shop. wt. 3 lbs.**

** 2.94**

---

**AMPHENOL MICROPHONE CONNECTORS**

**SERIES 75. PRESSURE TYPE—SINGLE CONTACT**

Polished chrome plated brass fittings with 3/8"-27 threads

<table>
<thead>
<tr>
<th>Type</th>
<th>Fig.</th>
<th>Description</th>
<th>Each</th>
</tr>
</thead>
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<td>75-MT1F</td>
<td>A</td>
<td>Female with coupling ring</td>
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<tr>
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<td>F</td>
<td>Adaptor. Connects MCIF to standard phone plug</td>
<td>30</td>
</tr>
</tbody>
</table>

---

**SWITCHCRAFT "MINI-MIX"**

Miniature 2 Input Audio Mixer

Accommodates 3 high impedance inputs. Separate gain controls for mixing. Connect directly to equipment. No external cables. Minimum sound inside audible range, muffling "microphone pickup". Ideal for use with tape, wire or disc recorders, amplified instruments, etc. Sizes: 3-1/16" x 3-1/16" x 1-1/16".

**NO. 302—W/ MICROPHONE CONNECTOR INPUTS AND OUTPUTS.**

**NO. 310—WITH PHONE JACK, INPUTS AND PHONE PLUG OUTPUT FITTING.**

**4.67**

**No. 315—with phone jack inputs and microphone connector output matching with standard miniinputs.**

**$4.85**

**No. 325—for recorders or ampla using Jesus connectors including recessed type in Wooster Type Mmunters.**

**35.45**

**No. 8626—cable assembly with plug and jack to use No. 310 where omnidirtax jack is recessed.**

**$2.20**
**MICROPHONES**

**A BUY OF A LIFETIME**

**HIGH QUALITY TOP NOTCH CRYSTAL MICROPHONE**

**COMPARE IT WITH ANY MIKE AT 2 TO 3 TIMES THE PRICE**

**3.95 each in lots of 3**

**Singly, ea. 4.25**

Lafayette makes history with a high quality CRYSTAL MICROPHONE at a price that is 69% less than any comparable Crystal Microphone on the market today. Exceptional for PA systems, home recorders and general applications. Frequency responses 35 to 10,000 cycles. Output--50 db. Noise--5 db. Supplied with 10 feet of shielded cable. Handles any type of voice. Ideal for radio. Shop. Wt. 3.5 lbs.

**STUDIO CRYSTAL MICROPHONE**

- **DUAL CRYSTAL CARTRIDGES**
- **ALL DIRECTIONAL**
- **FINE QUALITY**
- **HIGH OUTPUT**

Here is a microphone with a 360° pickup, and the added power and sensitivity of two independently shock mounted and damped crystal elements. This arrangement assures you of maximum signal output even in the most critical studio applications. Supplied with a 4 foot cable. Shop. Wt. 4 lbs.

**CRYSTAL MICROPHONE CARTRIDGE**

- **REPLACEMENT FOR ASTATIC SHURE, AND MANY OTHER POPULAR MICROPHONES**

A universal crystal microphone cartridge with heavy flexible rubber cushioned rim designed for speedy, economical repair. Fits tens of thousands of the most popular microphones such as the astatic 170 and 171. Overall diameter is 3 1/4", depth 1 1/2". Output--52 db. Excellent frequency response. Shop. Wt. 8 oz. 

**1.95**

**PA-27**--In lots of 3, each 

**Singly, each 1.95**

**A LAFAYETTE SCOOOp!**

**Top Quality CRYSTAL MIKE 2.95**

New, attractively styled crystal microphone for all general applications—public address, home recording etc. Frequency response 35 to 10,000 cycles. Output level--52 db. Shipped with 10 feet of shielded cable. Fully competent with 5 feet of shielded cable. Grill dia. .21", depth 3 3/4", height 4". Shop. Wt. 3 lbs. One of the best buys in the country.

**LAfayette's Own LAPEL MICROPHONE**

- **FULL—55 db. OUTPUT LEVEL!**
- **IDEAL GENERAL PURPOSE MIKE!**


**MINIATURE CRYSTAL MICROPHONE**

- Here's a typical Lafayette special for the experimenter, student or dealer. An extremely sensitive and small crystal microphone used in hearing aids and other small apparatus. Can be used as lapel microphone—transmitter microphone—for concealed locations, etc. 1/4 size and performance gives it joint versatility. Brand new. Size only 1 3/8" Diam. x 3/4" deep. Imported to save you money.

**List Price**

**$47.50**

**12.45 ea. In lots of 3**

**Reg. 16.00 Value**

**Net 2.95**

**PAGE 25**
HIGH SENSITIVITY 20,000 OHM PER Volt DC
10,000 OHM PER Volt AC MULTTESTER

19.95

LOOK AT THESE FULL SCALE RANGES!
D.C. Volts: 0-4; 0-30; 0-120; 0-400; 0-1200; 0-4,000; 0-12,000 Volts—AC Voltages: 0-4; 0-30; 0-120; 0-400; 0-1200 Volts—Resistance: 0-10K; 0-100K; 0-1 Meg; 0-10 Megohms—DC CURRENT: 0-60 Microamp; 0-60; 0-600; 0-6000 Milliamps—DC CURRENT: 20 to +17 db (10 db — 0.775V) — CAPACITIVTY: .0001 — .01 — .005 — .15 mf — INDUCTANCE: 20-2000 millihenrys—CAPACITIVTY RANGE: 0-4; 0-30; 0-120; 0-400; 0-1200 Volts

The new Lafayette high sensitivity Multimeter is a complete instrument (not a kit). In addition to its unusual sensitivity of 20,000 OHMS PER Volt on D.C. and 10,000 OHMS PER Volt on A.C., and the extraordinary number and scope of its ranges, it is packed with features that would make it cost at least twice as much if made in this country. Uses 1% precision resistors; silver contacts on selector switch, 36 out of 41 switches. Dependable, rugged and accurate. Even the test leads are heavy duty with high voltage insulation. Voltage range required for low capacity range is 150V; for high ranges is 1000V; for both D.C. and AC. High capacity and inductance scale is 6V A.C. Attractive plastic front with metal bottom. Size: 6 1/4 x 4 1/2 x 2 1/2. Complete with batteries and leads. Shipping weight 4 1/2 lbs.

RW-30A
Singly, Each 19.95
In lots of 3, Each 19.25

SENSITIVE POCKET AC-DC MULTITEMETER WITH BOTH CAPACITANCE AND INDUCTANCE RANGES

100 UA 3" METER
1% PRECISION RESISTORS
2000 OHMS PER VOLT SENSIVITY ON BOTH D.C. AND AC
INDUCTANCE RANGE
CAPACITANCE RANGE
SILVER CONTACT SINGLE SELECTOR SWITCH

12.95

FULL SCALE RANGES
AC VOLTS: 0-6; 0-12; 0-60; 0-300; 0-1200 VOLS. DC VOLTS: 0-6; 0-12; 0-60; 0-300; 0-1200 VOLS. DC CURRENT: 0-300 UA; 0-3 MA; 0-300 MA; RESISTANCE: 0-10K; 0-100K; 0-1 MEGOHM. DECADES: 0.1; 1; 10; 100; 1000; 10,000 Ohms. INDUCTANCE: 0-15 DB to +17 DB; 0-37 DB to +37 DB. CAPACITANCE: 550 MF to 1 MF. INDUCTANCE: 0-1000 Henries.

An exception in a convenient, accurate, complete instrument at a price lower than that of kits not having comparable features. The 20 full-scale ranges are chosen by a single, silver contact selector switch. A simple, metal cell provides its internal power source for all resistance measurements. The instrument has a sensitivity of 2000 ohms per volt on both D.C. and A.C. and employs precision 1% tolerance resistors. The D8 scales are calibrated for use across 600 ohms. The capacity range requires an external 60 volt A.C. source. The instrument includes need on external 6 volt A.C. source. Extremely versatile and compact instrument with a beautiful plastic front panel in a metal case to provide ruggedness and shielding. Size: 3 3/4 x 3 3/4 x 1 3/8. Complete with batteries and test leads. Shpg. wt., 3 lb.

RW-26A
In lots of 3 12.45
Singly, Ea. 12.95

ANOTHER OUTSTANDING LAFAYETTE VALUE

TUBE TESTER

26.95

A new streamlined tube tester with a realistic approach to the problem of quickly testing the ever increasing number of types. It incorporates the most advanced and new and expanded features and all at a price of about half of even the most ordinary tube testers. Read this specifications.

"PEEK POINT" ELEMENT SELECTOR SWITCHING: Newly designed, it reduces possibility of obstruction to a minimum because any pin may be used as a filament pin and voltage applied between it and any other pin, or even the "top cap". Tubes with taps, filaments or with filaments terminating in more than 1 pin are truly tested.

MULTIPURPOSE TUBES: Special isolating circuit allows each section of multipurpose tubes to be tested individually as if they were in a separate envelope.

SHORTS AND LEAKAGES: Supersensitive method checks shorts and leakages up to 5 megohms between any and all elements; continuity between various sections individually indicated.

SIMPILITCITY: Fast simple operation. The position fast action snap switches are all numbered in exact accord with RMA standards. Thus when testing element terminating in pin No. 7 of a tube—you use button No. 7. You can't insert a tube in the wrong socket—there's only one for each type of tube base.

TUBE TYPES: Tests all octal, octal, 7 pin miniature, 9 pin miniature as well as the new nystal and sub-Minar types. Old type sockets used for testing obsolete types—that you rarely see anymore—have been eliminated.

SIZE: Practical size to carry with you as well as for use in the shop—only 8 1/2 x 4 1/2 x 3/4" deep.

Shpg. wt., 5 lb.

COMPLETE with carrying case and instructions...

NEW POCKET AC-DC VOM MULTITEMETER
160 uA 3" METER
1% PRECISION RESISTORS
SILVER CONTACT SELECTOR SWITCH
FULL SCALE RANGES
DC Volts: 0-10; 0-50; 0-500; 0-1000 Volts—AC Volts: 0-15; 0-60; 0-300; 0-1200 Volts—DC Current: 500 uA and 500 mA—Resistance: 0-10K; 0-1 Meg.—Decibels: —20 to +22; +20 to 36 db (10 db — 0.775V) — Capacity: 250 mfd to 2 mfd — 0.05 mfd to 1 mfd
Output Ranges: 0-10; 0-50; 0-500; 0-1000 volts

Test Bay in America! A very accurate and sensitive VOM. This multimeter is a complete instrument (not a kit) with high quality and sensitive 150 microamp meter; 2000 ohm per volt both for D.C. and A.C. Single 131 selector switch, 1% precision resistors, 3" meter. Features extreme versatility, accuracy, capacitance, and ruggedness. In attractive plastic front panel, with metal bottom for ruggedness and shielding. First capacity range requires 50 volt A.C. source. Second capacity range requires 10 volt A.C. source. Size: 3 3/4 x 3 3/4 x 1 3/8. Complete with test leads and batteries. Shipping weight 4 lbs.

RW-27A
Complete 7.95

NEW! SLOPING PANEL MULTITEMETER
2000 Ohm per Volt Sensitivity on both D.C. and A.C.

SLOPING PANEL FOR EASY READING
4 RESISTANCE RANGES ON TWO SEPARATE SCALES
SENSITIVE 3 1/4" 160 MICROAMPERE METER MOVEMENT
25 FULL SCALE RANGES INCLUDING 5 OUTPUT RANGES

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This unusual multimeter is a complete instrument (not a kit) with high quality and sensitive 160 microamp meter. Features extreme versatility, accuracy and ruggedness. In an attractive bakelite front panel, with metal bottom for ruggedness and shielding. Single switch selects all ranges; 1% precision resistors used throughout. An outstanding instrument for the professional, serviceman or laboratory. FULL SCALE RANGES: D.C. Volts: 0-10; 0-50; 0-250; 0-500; 0-1000; A.C. Volts: 0-10; 0-50; 0-250; 0-500; 0-1000; 0-10000; DC CURRENT: 0-500 microamps; 0-25 mA; 0-250 mA; 0-2500 mA; DC CURRENT: 0-1000 microamps; 0-2.5 MA; 0-25 MA; 0-250 MA; RESISTANCE: 0-1K; 0-10K; 0-100K; 0-1 Meg. Decibels: —22 and +50 db — 20 db — 0.75 db — 25 db

COMPLETE with test leads and BATTERIES. Convenient Pocket SIZE 3 3/4 x 3 3/4 x 2 2/3. Shpg. wt., 4 lbs.

RW-29V
NET 14.95
In lots of 3, ea. 14.25

PAGE 26

JIM GARRETT COLLECTION
**Great Lafayette Buys on Phono Parts**

**3 SPEED TURNOVER HIGH OUTPUT PICKUP**

- 3 VOLT OUTPUT
- TURNOVER CARTRIDGE
- DUAL SAPPHIRE STYL
- FREQUENCY RESPONSE TO 9000 CYCLES

**REG. VALUE**

- 9.00

**ONLY 3.45**

In Lots of 3

- Singly Ea. 3.75

**PK-99**

Singly, Each 3.75

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**HIGH FIDELITY PICKUP**

**WITH 8 OUTSTANDING FEATURES**

- 1 FREQUENCY RESPONSE 40-14,000 CPS
- 2 TURNOVER TYPE CARTRIDGE
- 3 DUAL SAPPHIRE STYL
- 4 ADJUSTABLE NEEDLE PRESSURE
- 5 BASE ADJUSTABLE FOR HEIGHT
- 6 TRIP LEVER FOR AUTOMATIC STOP
- 7 EASY FINGER LIFT
- 8 FELT PADDDED ARM REST

**Reg. Value**

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**$5.25 Ea.**

In Lots of 3

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**PK-92—SAPPHIRE LP REPLACEMENT NEEDLE...69**

**PK-92—SAPPHIRE STD. (78) REPLACEMENT NEEDLE 69**

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**HIGH FIDELITY TURNOVER CARTRIDGE**

**40-14,000 CYCLES**

- Never before has a turnover cartridge of this quality been offered at such a price. We didn’t believe it possible until we tried it. Frequency response from 40 to 14,000 cycles. 2 stylus has 2 sapphire stylus to play all speeds and types of records. Needle pressure is only 2 grams on LP and 12-15 grams on 78 RPM. Output is .5 volts. Genres complete with turnover mechanism and knob. Fits Webster, Garrard, Valerio, Collaro and tone arms of leading manufacturers of record changers and playbacks. This is one of the most outstanding values Lafayette has ever offered. You can’t match it anywhere.

**PK-94.— SAPPHIRE LP REPLACEMENT NEEDLE...69**

**PK-95.—SAPPHIRE STD. (78) REPLACEMENT NEEDLE 69**

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**3 VOLT TURNOVER CARTRIDGES**

- Made by Ronette of Holland
- With the lowest inter-modulation distortion ever attained.
- Used in Collaro changers.
- Output 0.7 Volts

**3.25 in lots of 3, each 3.45**

**PK-60 (70-284-OV) in lots of 4, each 3.25**

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**JIM GARRETT COLLECTION**

**PAGE 27**
**JIM GARRETT COLLECTION**

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**OUR DIRECT IMPORTATIONS**

**YOU SAVE IMPORTERS PROFIT!**

**New Professional TRANSCRIPTION TURNTABLE**

**THE FINEST TRANSCRIPTION TURNTABLE FOR BOTH**

**THE PROFESSIONAL USER AND THE AUDIOPHILE**

- **12" CAST ALUMINUM RIM DRIVEN TURNTABLE**
- **HEAVY DUTY 4-POLE CONSTANT SPEED MOTOR**
- **VARIABLE SPEED CONTROL**
- **PERMITS CONTINUOUSLY VARIABLE ADJUSTMENT OF EACH SPEED WITHIN ±5%**
- **SELECTION SAFETY SWITCH**
- **FREELY FLOATING MOTOR MOUNT**
- **AUTOMATIC IDLER WHEEL DISENGAGEMENT WHEN OFF.**

New 3-speed instrument to delight the connoisseur. The heavy 12" non-magnetic lathe-turned aluminum turntable is precision engineered to provide dynamic balance and "wow-free" operation and has an extra-large, rim dependent effective flywheel action. The motor, mounted within a deep flanged well, is rim-driven and actuated by perfectly true pulleys and an oversized rubber idler wheel. The precision ground and polished nickel-chrome steel main spindle is ball-bearing mounted to assure noiseless, rumble-free rotation of the turntable. The extra-sized lubricant housing in which it is seated assures proper lubrication of the spindle at all times. A heavy rubber record cushion affords maximum record traction, eliminates slipmat and makes for greater record protection.

A high torque, heavy-duty, constant speed 4-pole induction motor rotates the turntable at 33 1/3, 45 and 78 rpm. There is virtually no magnetic leakage and there is no hum pickup even with the sensitive variable reluctance cartridges. A dynamically balanced armature ensures minimum wow and flutter content and accurate speed regulation. A variable speed control featuring an exclusive adjustable 3-point brake action permits instant adjustment of the individual speeds within ±5% and compensates for variations in source voltage which are encountered. With power off, the idler wheel is automatically disengaged to keep the idler perfectly round and true, preventing rumble. This 12" turntable provides a superb safety switch which protects idler and motor by making it obligatory to pass through an OFF position when switching from one speed to another. The motor is freely suspended and isolated by means of three unique shock mountings which eliminate vibration transfer. For 110-130V 60 cycle AC, with each unit also equipped with a selector for 20 cycle. Power consumption is 12 watts. Wow is less than 2%, Flutter less than 0.05% and there is practically no rumble. Size, 15" x 13" x 7-1/2" high, with a record clearance of 35/32" and requires 6" wide, and 24" deep, and 8" square boardroom or library. Supplied with removable 3-speed stroboscopic disc for both 50 and 60 cycle, removable 45 rpm adapter and tone arm adapter. Handsome hemmetone gray finish. Shpg. wt. 20 lbs.

**COMBINATION DEAL**

- **PK-100 TURNTABLE AND PK-90 TONE ARM**
- The above with G.E. RPX-052A DIAMOND and SAPPHIRE Cartridge
- TURNTABLE TONEARM AND NEW FAIRCHILD MODEL 22 "MICRADJUST" DIAMOND LP CARTRIDGE

**Reg. Value**

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**Net**

- **49.50**

**NEW!**

**LAFFAYETTE EXCLUSIVE**

**12" HIGH FIDELITY COAXIAL SPEAKER**

**Reg. Value**

- **44.50**

**Net**

- **29.50**

This Lafayette exclusive import is a highly efficient 12" coaxial speaker and represents an exceptional high fidelity value. The low frequency woofers have a 12" special chemically processed fibre composition cone with logarithmic spiral shaped cone seals. The low resonant cut off frequency is 3000 c.p.s. and the soft edge of sheepskin which suppresses unwanted circular and radial nodal vibrations and insures clear beautiful tone quality. A 5/16" diameter. 1" diameter and 2-1/2" deep, 25 lbs. However, the woofers are coaxially mounted within its own metal case and protective grille with front mounted diffuser. The construction is such that there is no back radiation whatsoever. A crossover network is provided to separate the high and low frequency, and a crossover point of 2000 c.p.s., is also built-in. High efficiency TS5 magnets permit a compact system, full-bodied brilliant tone. A high frequency level control provides variation of up to 6 db cut. Power handling capacity is 20 watts continuous and 35 watts peak. Voice coil impedance 8 ohms, resonant frequency 40 c.p.s. Connections are made to screw cap terminals, Rugged all-metal frame. If made in this country this speaker would sell for at least $49.50. Shpg. wt. 11 lbs.

**VISCOUS-DAMPED TRANSCRIPTION TONE ARM**

**PROFESSIONAL QUALITY TRANSCRIPTION PICKUP ARM FOR THE MOST EXACTING HIGH FIDELITY INSTALLATIONS**

- **JEWEL BEARING SUPPORT**
- **PERFECT RECORD TRACKING**
- **AUTOMATIC FLUID CONTROL OF TONE ARM MOVEMENT**
- **ACCEPTS RECORDS UP TO 16 INCH DIAMETER**
- **SOLDIERLESS INSTANT PLUG IN CARTRIDGE CHANGE**
- **ACCOMMODATES VIRTUALLY ALL STANDARD AMERICAN CARTRIDGES**
- **PREVENTS TONE ARM DAMAGE TO RECORDS**

**SPECIAL!**

- **ARM WITH G.E. RPX-052A DIAMOND AND SAPPHIRE CARTRIDGE**

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**Net**

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WITH FAIRCHILD MODEL 225 "MICRADJUST" DIAMOND LP CARTRIDGE

**Reg. Value**

- **49.50**

**Net**

- **29.50**
YOU BE THE JUDGE!
Custom High Fidelity Phono
System Of Superior Quality

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- FINEST 3-SPEED TRANSCRIPTION TURNTABLE WITH VARIABLE SPEED CONTROL
- PROFESSIONAL QUALITY VISCOS-DAMPED TRANSCRIPTION TONE ARM
- LATEST FAIRCHILD CARTRIDGE MODEL 225 WITH DIAMOND LP STYLUS
- COMPLETE, DELUXE PRINTED CIRCUIT AUDIO AMPLIFIER
- 12" HIGH FIDELITY COAXIAL SPEAKER

A phone-system with the finest professional quality TRANSCRIPTION TURNTABLE and VISCOS-DAMPED PICKUP arm and equipped with the newest FAIRCHILD DIAMOND LP CARTRIDGE. The LAFAYETTE MODEL LA34 AMPLIFIER has many advanced technical features as does the SK58 SPEAKER which is capable of superb response. It is no wonder that we urge you to judge both the fine quality and outstanding value contained in this Lafayette offer. Once you hear its excellent audio fidelity and observe its dependable performance, you too will become enthused by this unusually popular combination of moderately priced, professional type hi-fi components. Complete plate system with interconnecting plugs and cables and ready for instant installation. For 110-120V, 60 cycles AC. Shpg. wt. 46 lbs.

HF-126 Net 169.50

System with GE RPX-052A Diamond-Sapphire Cartridge. Same system as above with the GE RPX-052A Triple-Play Cartridge with DIAMOND LP and SAPPHIRE standard styl.

HF-127 Net 154.50

New "FLOATING ACTION"

LAFAYETTE HIGH FIDELITY TRANSCRIPTION TURNTABLE AND TONE ARM COMBINATION

FINES TRANSCRIPTION TURNTABLE MODEL PK-100 AND VISCOS-DAMPED TONE ARM MODEL PK-90 ON BEAUTIFULLY FINISHED WOOD BASE

Professional 3-speed turntable with variable speed control and fluid-controlled tone arm plays all records up through 14" transcription discs. The heavy-duty, high torque 6-pole shielded induction motor is shock-mounted and freely suspended to eliminate vibrations. Meets professional standards for wow, flutter content and speed regulation. The heavy die-cast aluminum turntable platter-driven, dynamically balanced and ball-bearing mounted to provide rattle-free rotation. The tone arm accommodates all standard type cartridges with instant, solderless, plug-in cartridge change. The viscous damping achieves perfect compliance yet prevents groove rumbling and skipping as well as record and stylus damage should the tone arm be accidentally dropped.

The substantial woodbase is a deluxe unit which is made of the finest selected solid hardwood outside pieces and has mortised corners secured with clamp nails. The mounting board is free-floating on individual springs in each corner which can be individually leveled. The base has a genuine hand-rubbed finish and comes in five finishes: mahogany, blonde, ash, and ebony. Specify your choice when ordering. The top of the motorboard has an attractive copper finish. Its elegant styling and finish adds beauty to any high fidelity installation. Size: 16" x 20" x 5".

Complete unit ready to install, requiring easy mounting of turntable and tone arm on pre-cut mounting board. For operation from 110-130V 30/60 cycles AC. Shpg. wt. 36 lbs.

HF-128 (less cartridge) 77.45

Woodbase only... Shpg. wt. 13 lbs.
PK-95... Red Mahogany
PK-96... Brown Mahogany
PK-97... Blonde
PK-98... Ash (Illustrated above)
PK-99... Ebony

19.50
BUILD YOUR OWN HI-FI KITS

**29.50**

**Deluxe 9 Tube FM Tuner Kit**

- 9 tubes plus selenium rectifier
- 20-20,000 CPS ± 1/2 DB
- Temperature compensation throughout
- Armstrong circuit
- Self-contained AC power supply

Quality parts plus an excellent circuit make this a top-notch unit. Uses a 3 gang variable, iron core tuned tuning transformer, tuned 16 gauge copper plate and lacedower chassis. Features Armstrong circuit, tuned 300 ohm discriminator transformer, free-16 gauge copper plate and lacedower chassis. Features Armstrong circuit, hum level -70 db below average output, output voltage ± 10 volts RMS, sensitivity of 10 mV - 20 db.

Y9K Kit

**37.50**

**12 Tube AM-FM Tuner Kit**

- 12 tubes plus crystal diode detector
- Compact - Stable - Sensitive
- Armstrong circuit - Temperature compensation
- FM response 20-20,000 CPS ± .5 db
- 48 page instruction book

Build this fine 12 tube AM-FM tuner that covers both 68-1000kc and 530-1650kc AM and FM bands with superb quality. Frequency response is 20-20,000 CPS ± .5 db on FM, and 20-20,000 CPS on AM. The tube circuit includes a 3 gang variable discriminator transformer, tuned 16 gauge copper plate and lacedower chassis. Hum level is -70 db below average output. Drift is less than 10 mV on FM, 5 microvolts on AM. Controls are lacedower 16 gauge chassis with 9/16" x 9/16" x 9/16" x 9/16", and 64 gauge cathode follower output. Instruction manual is complete with pictorial, schematic diagrams, and step-by-step instructions. Kit is complete with tubes and all parts.

Y9N Kit

**24.50**

**20 WATT WILLIAMSON TYPE AMPLIFIER KIT**

- Frequency range 10 to 100,000 CPS ± .5 DB
- Uses Top Quality Chicago Transformers

For the first time a 20 watt hi-fi amplifier kit that fits your pocketbook. No longer has it the phanemoal frequency response shown above, but harmonic distortion is only 1/2% from 20-20,000 cycles and hum level is -78 db below full output. Has continuously variable volume control, 4-1/2 x 1/2 ohm output impedances, self contained 250-1520V AC power supply, AC off power switch and AC power outlet. Pre-amp voltage supply, 117V AC - 6V 1 Amp, 280V at 7 ma, 200 volts at 10 ma. Tubes are 2-5881/2811-28581 push pull output, plus 5VAC rectifier. Also filled sockets. Glowing chrome plated chassis is 13" L x 7 1/4" x 9" W. 24 page 8 1/2" x 11" book with pictorial and schematic diagrams with step by step instructions. Kit is complete with all parts and tubes. Shipped weight 10 lbs.

V9N Kit

**12.00**

**Universal Power Supply**

Completely wired, choke filter system, electrostatically shielded, hum free. Completely isolated. Delivers 190 volts DC at 55 ma and 6.3 V at 4 amp. Size: 3/4" W x 4 1/2" H x 9 1/4" D. Weight: 9.5 lbs.
This new, economy hi-fi amplifier has many deluxe features for exceptional performance. The three inputs are radio/crystal phone pickup, magneticphone pickup, and microphone. A selector switch permits the selection of vacuum tubes according to the type of equipment connected. The amplifier has built-in treble and bass controls and the choice of three inputs. The output is 10 watts, peak 18 db, frequency response 25,000 cps, distortion 2.5 percent, harmonic and intermodulation distortion 4 percent, and output 100 watts per channel.

**21.50**

- Built-in preamplifier for 6 tubes
- Selector switches permit choice of three inputs
- Separate bass and treble controls
- 4 and 16 ohm outputs
- Easy-to-follow instructions

**5-WATT PUSH-PULL AC-DC HI-FI AMPLIFIER KIT**

This kit in form is an AC-DC hi-fi amplifier that presents unusual features despite its low price. The separate bass and treble controls permit adjustment of the low and high frequency response and balance. Works equally well with both input devices. The 25W rectifier and a pair of 5SC’s in push-pull, having a power of 3000 watts for full distortion output. The tubes are used on reverse feedback loop to reduce the level of hum and distortion. Kit is complete containing all essential parts, tubes and instructions manual showing pictorial and schematic diagrams.

**10.95**

**PREAMPLIFIER KIT WITH BUILT-IN SIX POSITION EQUALIZER FOR G.E. AND PICKERING CARTRIDGES**

This preamplifier is designed for use with Williamson-type and other high quality audio systems. There are 3 input connectors, radio, crystal and magnetic, with corresponding 3 input selector switch. The separate bass and treble controls provide equalization for 15 db. The position equalizer assures proper playback of all types of recordings. The two tube amplifiers are free-floating to prevent pickup of microphone and speaker. Separate on-off switch and pilot light. Power required by this unit is 6.3 Vdc or 6 dc and 60 cycles. This unit may be used with all tubes and all parts and 24-page instruction manual showing pictorial and schematic diagrams for step-by-step assembly and wiring. Shpg. wt. 6 lbs.

**15.95**

**TECHMASTER HI-FI FM TUNER KIT**

A superior quality basic hi-fi FM tuner kit designed for maximum performance and fidelity at a minimum cost. Features advanced drift-free circuitry having excellent selectivity and clean, faithful audio reproduction. Self-contained power supply. Microstrip tuning covers 87.5-108 Mc range. Full 2000 kc bandwidth. Has a grounded grid RF stage. The AFC has a manual front-control control to pick up weak signal stations adjacent to strong signal stations. Contains a noise-detecting circuit and standard de-emphasis network. Cathode follower output permits long cable to amplifier without loss of signal. SENSITIVITY: 3 VU for 20 db quietness. OUTPUTS: Cathode follower output permits long cable to amplifier without loss of signal. 7.5 V RMS, high impedance 3.2 V RMS. TUBE COMPLEMENTS: 6AU6, 6SN7, 6H8A. POWER SUPPLY: 120 VAC, 60 cycles, 60 watts. Complete with chassis, tubes, and equipment (less power supply). Shpg. wt. 4 lbs.

**29.50**

**TECHMASTER DELUXE SELF-Powered PREAMP-EQUALIZER KIT**

Anyone can build this one self-powered preamp-equalizer, and have a really professional instrument that will provide accuracy and versatility to your audio system. Has 4 input channels, one low level high gain and 3 high impedances. Separate bass and treble controls give 15 db boost or attenuation of 20 cycles and 20 kc. Perfect matching of recording copy. Has 6 position equalization control for 78 RPM, 40 cycles — Isolated transformer. Cathode follower output permits long cable to amplifier without loss of signal. Shpg. wt. 5 lbs.

**24.50**
STAY AHEAD IN TRANSISTORS

These Books Show You How

ELECTRONS AND HOLES IN SEMICONDUCTORS
by William Shockley, PH.D.

Here, clearly and accurately presented, are theories in every critical text from one of the world's foremost authorities on semiconductors. This book has been prepared for the professional theoretical and working knowledge of the properties of semiconductor devices for electrical engineers, physicists, designers, and students, whether or not they possess the mathematical knowledge formerly required by an understanding of quantum theory or wave mechanics. The organization and content are designed to convey a strong feeling for the behavior of holes and electrons in real devices, and so to give the reader the ability to invent directly from the new post-transistor experiments, with a sufficient degree of definiteness for most purposes of transistor electronics. Charts, graphs and illustrations throughout.

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316 pages with illustrations. 2.70

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This order blank will be returned to you upon shipment of your order. If you find it necessary to return any merchandise for adjustment, please write returning the order blank and any attached papers, stating the following: reason for return, when and where purchased, number and date of sales slip if purchased at salesroom. If your shipment is received damaged, obtain a report from the postmaster or express agent and mail it to us. Use a separate sheet of paper for all adjustments. Get a new addressee name and address for parts. Do not include money in the package you return. When returning merchandise, pack carefully, insure, and write your name and address on all packages and letters before returning to us.

NOTE: Equipment built or ordered especially to meet customers requirements not subject to exchange, credit or refund. All orders for special merchandise must be accompanied by a deposit.

PARCEL POST RATES FOR ALL ZONES SUBJECT TO POST OFFICE RATE CHANGES

Parcels up to 8 ounces may be shipped anywhere in the United States by Registered Post Shipments over 8 ounces, mailed at a first class post office, addressed for delivery at another first class post office shall be limited in size and weight as follows: 72 inches in length and girth combined. 48 lbs. to 1st and 2nd zones (150 miles) and 20 lbs. in the 3rd to 8th zones. Exempt packages 35 in long, 10 inches wide and 3 inches, high measures 65 in. length and girth combined (length 35 in. plus twice width and twice height, equals 65 in.).

<table>
<thead>
<tr>
<th>WEIGHT</th>
<th>LOCAL</th>
<th>150 MILES</th>
<th>300 MILES</th>
<th>600 MILES</th>
<th>1,000 MILES</th>
<th>1,400 MILES</th>
<th>1,800 MILES</th>
<th>OVER 1,800 MILES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 lb.</td>
<td>$0.18</td>
<td>$0.23</td>
<td>$0.25</td>
<td>$0.30</td>
<td>$0.38</td>
<td>$0.52</td>
<td>$0.61</td>
<td>$0.69</td>
</tr>
<tr>
<td>2 lb.</td>
<td>0.36</td>
<td>0.42</td>
<td>0.45</td>
<td>0.52</td>
<td>0.61</td>
<td>0.73</td>
<td>0.80</td>
<td>0.93</td>
</tr>
<tr>
<td>3 lb.</td>
<td>0.54</td>
<td>0.63</td>
<td>0.69</td>
<td>0.80</td>
<td>0.93</td>
<td>1.08</td>
<td>1.21</td>
<td>1.37</td>
</tr>
<tr>
<td>4 lb.</td>
<td>0.72</td>
<td>0.84</td>
<td>0.96</td>
<td>1.12</td>
<td>1.37</td>
<td>1.60</td>
<td>1.90</td>
<td>2.31</td>
</tr>
<tr>
<td>5 lb.</td>
<td>0.90</td>
<td>1.05</td>
<td>1.21</td>
<td>1.47</td>
<td>1.84</td>
<td>2.25</td>
<td>2.76</td>
<td>3.31</td>
</tr>
<tr>
<td>6 lb.</td>
<td>1.08</td>
<td>1.29</td>
<td>1.56</td>
<td>2.00</td>
<td>2.60</td>
<td>3.31</td>
<td>4.21</td>
<td>5.31</td>
</tr>
<tr>
<td>7 lb.</td>
<td>1.26</td>
<td>1.52</td>
<td>1.88</td>
<td>2.50</td>
<td>3.31</td>
<td>4.21</td>
<td>5.31</td>
<td>6.63</td>
</tr>
<tr>
<td>8 lb.</td>
<td>1.44</td>
<td>1.78</td>
<td>2.24</td>
<td>3.00</td>
<td>4.21</td>
<td>5.63</td>
<td>7.00</td>
<td>8.63</td>
</tr>
<tr>
<td>9 lb.</td>
<td>1.62</td>
<td>2.07</td>
<td>2.63</td>
<td>3.50</td>
<td>5.00</td>
<td>6.83</td>
<td>8.63</td>
<td>10.83</td>
</tr>
<tr>
<td>10 lb.</td>
<td>1.80</td>
<td>2.41</td>
<td>3.07</td>
<td>4.00</td>
<td>6.00</td>
<td>8.63</td>
<td>11.00</td>
<td>14.00</td>
</tr>
<tr>
<td>11 lb.</td>
<td>2.00</td>
<td>2.75</td>
<td>3.52</td>
<td>4.75</td>
<td>7.00</td>
<td>11.00</td>
<td>15.00</td>
<td>19.00</td>
</tr>
<tr>
<td>12 lb.</td>
<td>2.20</td>
<td>3.10</td>
<td>4.02</td>
<td>5.50</td>
<td>9.00</td>
<td>15.00</td>
<td>21.00</td>
<td>27.00</td>
</tr>
</tbody>
</table>

APPROXIMATE EXPRESS CHARGES (SUBJECT TO RATE CHANGES)

Express charges are also determined by the weight of the shipment and the distance of consignee from the shipper. The following chart indicates approximate charges. Add 2% Federal Excise Tax. Price

| WEIGHT | 100 MILES | 200 MILES | 300 MILES | 400 MILES | 500 MILES | 600 MILES | 700 MILES | 800 MILES | 900 MILES | 1,000 MILES | 1,200 MILES | 1,400 MILES | 1,600 MILES | 1,800 MILES | 2,000 MILES | 2,200 MILES | 2,400 MILES | 2,600 MILES | 2,800 MILES | 3,000 MILES |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 lb.  | $0.25     | $0.31     | $0.37     | $0.43     | $0.50     | $0.57     | $0.65     | $0.73     | $0.80     | $0.97     | $1.15     | $1.33     | $1.51     | $1.70     | $1.89     | $2.07     | $2.26     |

CATHODE RAY AND TRANSMITTER Type Tubes Take a Higher Rate.

INSURANCE

$5 for parcels valued up to $50.00
$10 for parcels valued up to $100.00
$15 for parcels valued up to $150.00
$20 for parcels valued up to $200.00
$25 for parcels valued up to $250.00
$30 for parcels valued up to $300.00
$35 for parcels valued up to $350.00
$40 for parcels valued up to $400.00
$45 for parcels valued up to $450.00
$50 for parcels valued up to $500.00
$55 for parcels valued up to $550.00
$60 for parcels valued up to $600.00
$65 for parcels valued up to $650.00
$70 for parcels valued up to $700.00
$75 for parcels valued up to $750.00
$80 for parcels valued up to $800.00
$85 for parcels valued up to $850.00
$90 for parcels valued up to $900.00
$95 for parcels valued up to $950.00
$100 for parcels valued up to $1000.00

C.O.D. SHIPMENTS

Transportation charges on C.O.D. parcels are slightly higher than those sent prepaid. C.O.D. charges in addition to the regular postage costs outlined above are as follows: (including insurance):

When the value of the parcel is from:

<table>
<thead>
<tr>
<th>VALUE</th>
<th>CHARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1.00 to $3.50</td>
<td>$0.80</td>
</tr>
<tr>
<td>$3.51 to $7.00</td>
<td>$0.90</td>
</tr>
<tr>
<td>$7.01 to $10.00</td>
<td>$1.00</td>
</tr>
<tr>
<td>$10.01 to $15.00</td>
<td>$1.20</td>
</tr>
<tr>
<td>$15.01 to $20.00</td>
<td>$1.50</td>
</tr>
</tbody>
</table>

For each additional $100.00 value or part thereof beyond $150.00, add 18 cents.

EXPRESS & FREIGHT SHIPMENTS

Express and freight shipments are sent transportation charges collect. If your station has no agent, please send sufficient money to cover transportation. Charges are the same either way. All over-payments are promptly refunded.

Orders from within the five boroughs of New York City are subject to N. Y. City sales tax unless accompanied by evidence of exemption.