

SIMPLE TO ATTACH TO ANY TV SET OR RADIO

- SEE AND HEAR-NOISELESSLY—CONVENIENTLY - LOOK AT THESE FEATURES!

1. FCRLEME प|STENERS One or two people can both see and hear the program with - the loudspeaker cut off. Tops for enjoying the late-late show without disfurbing the rest of the household of the neighbors.
 high that others can t stand the noise. They can listen either with the loudspeaker cut off or, if the rest of the family want to hear, with the speaker on.
ROR NOISY PROGRAMS: Don't let the kids "Witd Western's" bother LOR NOISY PROGRAMS: Don't let the kids' "Wild Western's" bother you. Let them View and listen with the speaker cut off.
2. FORMMRMAL CRER GTION Does not affect your regular use of the I.V. set. Does
3. RJM have to be disconnectad from sef.
comfortably from a distance. Has its own volume of cable so it can be operated and two sets of jacks so either Has its own volume control, speaker on-off switch,

dynamic miniature earphone. Highly sensifive and efficient. Phone is complete wi-f 3 ft . cord and tips, ready to insert in control box.
4. COEIVINDINT: Size only $33 / 4$ " $x 2^{\prime \prime} x 1 / 4$ ". Complate with I earohone and 20 ft cable Completely wired with instructions. Shpg. wh. 3 lbs
Stock No. MS:125.

## EXTRA EARPHONE

## 



QUALITY BUILT FOR YEARS OF OUTSTANDING PERFORMANCE
10 DAY FREE TRIAL-MONEY BACK GUARANTEE

- Completely self contoined Botter.
ies sip into your Breast Pockets.
- 3 Pasition TONE CONTROL. You seloct the tone best sulted to your
- Extro Sensilive Mierophone. Its pickup will amare you.
- Continuously variable Volume Control.
- Powertul Amplifying System.
- Tiny Sensitive Dynomic Ear Re-







 an instrument to atil at such a price, barked by this 1 year warramts: We'll replace any defectist dart (except batteries and terds) due to nurmal usage for jear after ditu at purfiltie withous chappe sumplifi Model HA-100-Complete. ......... Model HA-100-Complete.


## INDUCTION MODEL

- sfecially oesigneo ton telephone use
 tuon thruegn the ear recelter. The hand-et cun then be used for talking in the nurual wanncr. (Cosplat
With brturies and tase Mot Ha-101 Onse Model HA- 101

Both modele use 1 each of following



receiver chassis
including POWERFUL 12" PM Spaaker

- Bullt-in preamplifier for reluctance pickup. - Beam power audio output.
- 3-Position equalizer switch to compensate - Automatic volume control. for recording characteristics in LP, AES or European recordings.
- 12" PM heavy dufy specker.

The Model 100 incorporates an improved frequency modulation circuit that is drift compensated to eliminate the need for troublesome automatic frequency control circuits; an extra stage of RF qain on FM; high fidelity AM-FM reception: a preamplifier fube for use with reluctance type phono pickup eartridges; a Ferrite Loop Stick antonna control; automatic volume control; beam power audio output; a special heater winding with a control to balance out residual line freyuency hum: easy tuning combined with an easily readable, attractive "slide rula" dial that is edge lighted; dual impedance output transformer to match $\mathbf{3 . 2}$ or a ohm speaker voce coils. These features ara further enhanced by the recent addition of a 3 -position equalizer switch to compensate for recording characteristics in LP AES or European recordings. The Model 100 tunes from 535 to 1720 Kc on AM and from 88 to 108 Mc on FM. Sensitivity is such that outside antennas usually are not necessary. Tube Complement: (2) 6BA6, 6BE7, 6AU6, 6AL5, designed to operate on $105 / 125$ volts AC, $50 / 60$ cycles. Power consumption is 95 watts. It is of rugged construction using high quality components and is dressed off with a professionally designed attractive panel in grey that will neutrally blend into any hom surroundings, whether installed in a cabinet or console or in a bookcase. Supplied ready to operate, complete with tubes, antonna and all necessary hardware, plus 12 " heavy duty PM speaker. Dimensions: $13^{1 / 2^{\prime \prime}} W \times 71 / 2^{\prime \prime} H$ y $9^{\prime \prime} D$. Shpg. Wt. 18 lbs . MODEL 100-Recelver Chassis Less Speaker.. $\qquad$ Not $A \cdot 5$ MODEL 100-with 12*' Heavy Duty PM Speaker... $\qquad$ Net 3050


- 13 TUBES PLUS RECTIFIER
- PRE-AMP FOR RELUCTANGE GARTRIDGES
- AUTOMATIC FREQUENCY CONTROL
- HI-FIDELITY QUALITY

LAFAYETTE MODEL 200 DELUXE FM-AM RECEIVER CHASSIS

| - beluve Superbeterodyne AM-FM Radio Re- | either high or low linpedance plekup; a speclal |
| :---: | :---: |
|  |  |
|  | residual line frequency hum; multitap output |
| ghency modulation clrcuit and also utsizes an | transformer to match 4, 8 and 500 ohms. Has a |
| nutomatio frenuency control clreult for drift-free, | dual control which operates a reeurd rull-off |
| trouble-free peiformance. 6 gang tuning | ejubalizer network to compensate for recording |
| connenser: high fidelty AM-FM reception: tuned | characteristics in long playing. AES or kuropean |
| kf amplifiers to make use of low field strength | recordings, Tunes fron 53.5 to 1720 kc on AM, |
| slprins; a pre-amplitier for use with reluetance | and frum 88 to 108 Me on FM. Has 13 tulies plus |
| thut of phonograph plckup cartridge; a Ferrite | a rectifler. Tube coinplement is (3) (6BA6, (2) |
| Luos Stick antemas fur AM and a roldeal dimole | CBEG. G.AU6, 6.1L5, UC4, 6.AVG, 12ATi, 12.AXT, |
| for FM reception; AF Input; line power outlets; | (2) 6V6,GT and 5Y3GT Rectitier. Supplied read) |
| auxiliary position on switch for use when TV | to operite complete with tubes, antenna. and all |
| Audio i channelde through set: push-null beam | necessary hardware. Chassis is $131 / 2{ }^{\prime \prime}$ widue $x$ i $3^{\prime \prime}$ |
| powir audio amplifier; full range bass and treble | high $\times 10^{\prime \prime}$ deep. Weight $171 / 2 \mathrm{lbs}$. ea |
| controls: automitic volume control; provision for <br>  | LAFAYETTE MODEL 20!.......NET 88.50 |

A COMPLETE HI-FI AM.FM PHONO-RADIO COMBINATION

A new Deluxe 13 Tube (plus rectifier) FM-AM receiver chassis Model LA-201 combines many important features and quality construction to assure excellent FM-AM performance. Combined with push-pull beam power audio, provides remarkable pure music throughout the entire audio spectrum. With the latest model Collaro RC. 54 Intermix 3 -speed Record Changer equipped with the G.E. RPX-050 Turnover Reluctance Cartridge and the Electro-Voice Model SP-12B 12" Coaxial Speaker you are provided with a 2 -way speaker system that assures clean, sparkling wide-range reproduction. All units supplied complete with plugs, jacks, cable and hardware-ready for quick and -asy installation. Shpg. wt.. HF-101 $\qquad$ Complete System.


# afayette an OUTSTANDING ENGINEERING AGHIENEMENT Outperform Any Amplifier In Its Nodel MA-54 

## A BRILIANT

 NEW CONGEPTION
## PERFEGT AMPLIFICATION

DESIENED FOR TOMORROW

 over asd roll-ef, provitity esinge of 16 dif. ferent playhenit characteritilics to mestch all racerdfigy aceerstaly.

* Iecieder phoee pramplifar with Ieputs for mopsetic, saramie ar eryitel piciupe.
- Special hebo-ail jexk far resarfing an tepas.
* The emplifar hez axcellest pewer eatput af butb very lew and very hlyl fregnpscies.
-HM leoperitercet. leget
Nothing before has been offered to equal it in the annals of the high fidelity market. The first complete audio amplifier incorporating compensated preamplifier, tone controls, power amplifier, and power supply all built upon a "printed circuit" wiring plate. This is the eircuit technique developed and proved successful BY THE ARMED FORCES DURING WORLD WAR II. A major achievament in fine audio amplifiers. Combines technical perfection, starfling realism and advanced features. The advantages of extended power range are provided without sacrifice of important low level characteristics. Here are both low distortion and plenty of reserve power. Only years of research and specialization could produce so advanced an instrument. throughout the useful band from 20 to 20,000 eycles. Of major importance is the way this amplifier adapts itself to associated equipment and to particular room acoustics. LOOK AT THESE SPECHFICATIONSI POWER OUTPUT: 12 watts, 24 watts padk at $1 \%$ harmonic distortion; 5 watts at $1 \%$ intermodulation distortion; ${ }^{3} \mathrm{db}$ power rating, 30 cycles to 20,000 cycles. FREQUENCY RESPONSE 20-20,000 eycles $\pm$ I db. INPUTS Radio, TV-Sound and Tape inputs: $\quad$ megohm impedance. Phonograph lnputs: 27,000 ohms for magnetic and dynamic cartridges.
Built-in equalizer for use of ceramic, FM (capacitance) and crystal pick-ups; adjustable equalization effective on all types of Built-in equalizer for use of ceramic, $F M$ (capaciłance) and erystal pick-ups; adjustable equalization effective on all types of
pick-ups, SENSITIVITY (Gain Factors): 6 millivolts at magnetie-phono input required for 12 watts output. 0.3 volts required at Tuner, Tape, iV inputs for 12 watts output. 42 db gain between magnetic-phono input and tape take-off jack, 10 db gain at Tuner, Tape, $\begin{gathered}\text { between Radio, Tape, TV inputs and tape take-off jack. OUTPUT IMPEDANCES: } 4 \text {, } 8 \text { and } 16 \text { ohms. DAMPING FACTOR: IS } 15 \text {. }\end{gathered}$ Source impedance much lower than internal resistance of loudspeaker. FEEDBACK: Four negative feedback loops result in vir tual elimination of distortion; 20 db feedback around voltage and power amplifier stages. QUIETNESS: Noise plus hum 75 db below maximum output on Radio. TV, Tape input. 70 db below maximum output on phonograph input. ( 54 db below effective program level with 10 millivalts input.) TAPE TAKE-OFF JACK: Provides output of sufficient level to drive any tape recorder. lndependent of volume control setting. POWER OUTLET: 110 volts for tuner, record player, etc., controlled by on-off switch. CONTROLS: SELECTOR (and TURNOVER COntrol), 7 positions. Radio, TV, Tape and 4 phonograph positions for the following Turnover characteristics: AES, NARTB*, 800 , LP. ROLL-OFF: 4 positions of high-frequency racord compensation: LP (16), NARTB* (13.7), AES ( 12 ),
tical with RIAA, RCA-Victor New Orthophonic, and new AES. BASS: Continuous control: 16 db boost to 16 db cut at 50 cycles: tieal with RIAA, RCA-Vietor New Orthophonic, and new AES. BASS: Continuous control: 16 db boost to " 16 db cut at 50 cycles;
marked "flat" position. TREBLE: Continuous control: 12 db boost to 15 db cut at 10,000 cycles; marked "flat" position, LOUDmarked "flat" position. TREBLE: Continuous control: 12 db boost to 15 db cut at 10,000 cycles; marked "flat" position, LOUD-
NESS (VOLUME): With ON-OFF switch, compensated for loudness (Fletcher-Munson) curves. TUBES: Six in al doing the work of nine. No difficult-to-locate or special types used. 3-12AX7, 2-6AQ5, $1-6 \times 4$. DIMENSIONS: Only $41 / 4^{\prime \prime} \mathrm{high}$, $10 / \mathrm{h}^{\prime \prime} 10 \mathrm{long}$ and $8^{\prime \prime}$ deep from front panel to clearance over jacks on back panel. Shpg. Wt. 12 lbs.
MODEL LA-54
64.50

a

## A HI-FI SYSTEM WITH SUPERLATIVE HI-FI PERFORMANCE

A completely matched and wired FM-AM phono system, consisting of the skillfully engineered Bogen Model R-640 FM-AM Tuner, the Lafayette Model LA. 54 Hi-Fi 12 watt Amplifier, employing features found only in the most expensive amplifiers; the world-famous Callaro RC-54 (the latest model) Intermix 3 -speed Record Changer with the G.E. RPX-050 Triple-Play Turnover Reluctanee Cartridgei and the Electro-Voice Model 12TRXB 12" Triaxial Speaker. With this system all the magic of high fidelity reproduction is now easily yours. Phenomenal bass response, full bodied mid-range and silky-smooth upper octaves to the highest oudible frequencies provide an unusual musical balance without making effects or imposed distortions. All units are supplied complete with plugs, jacks, cable and hardware-ready for quick and easy installation. Prepared cables simply plug into each other. The handsome design of all components blends beautifully with any decorating schome. Shpg. wt............ 65 lbs .
HF. 100

Complete System......Net 249.50


## A PHONO SYSTEM THAT WILL DELIGHT THE MISIC LOVER


#### Abstract

Never-in the annals of Hi-Fidelity, has a phono system of this quality - at this price - been offered. This system consists of the famous Lofayette LA-54 12-Watt Amplifier, with a frequency response from 20.20,000 eycles; the Electro-Voice Triaxiol Model 12TRXB 12" Hi-Fi Speoker: and the latest Colloro Model RC-54 3-Speed Intermix Record Changer with G.E. RPX-050 Turnover Reluctance Cartridge. Here is a system with low distortion and plenty of reserve power. The power output at both low and high frequencies exceeds any requirement; 16 positions of record compensation, designed without compromise to daliver magnificent audio fidelity. Complete with all plugs, cables and hardware. Shpg. wt........... 48 lbs. HF. 102 Complete System Net 144.50


## Catayette o LE RDR

## Bogentigh Fidelity EQUIPMENT



BOGEN R640 AM.FM TUNER

AM. Solectable AFC circuit and tomperature cumpensated osclliutor simpllfy suning. eliminates one for tunarg up walting. Onis iwa comptry

 nols. Aish at lopedance; isi 1 folt. Low limpedance Asi unt loop furnished; has laput for PM
(3tu0 ohin) or AM HIgh impedatio loop or antenna.

BOGEN DB This amplifier conibsines onerating feribility "thh
 20,000 cDE $\pm$; db and iM dlatirior is of labt 20 combinations of recurd equallations twitarate cuntinuousis tariable bass and relple cuntrols
give rango of +17 to -18 db at +10 copa nesa compensation for varylug postilensity or teicls


 BOGEN PGAO
shpg. Wh. is $1 \mathrm{ba} . .$. Net 105.50 BOGEN RG40G-shpe. Wt. 18 the. . . Net 112.95


rither. Ideal for une wllt cumers wh tha yake.
 BOGEN DB-15 Shps. Wt. 22 IUs...Net 89.95 BOGEN DB-15G shog. Wt 25 lbs Net 99.00


## NEW BOGEN DBIIO- 10 WATT AMPLIFIER

 The new Boger DB110 offers an unusual value performance and specifications are equal to amplifiers costing considerably lusive infuire dapm fail. clusive infinite damping factor control hermurh, proving ces cleare fats response, permuting precise coupling of amplifier to amplifer giving 10 Watts out put with pre$0.65 \%$ harmonic distortion put with only $0.65 \%$ harmonic distortion. Frequency watt. Four inturs: Mic, Tuner, Phone and ACX (for TV, crystal Jhono or Tape
## NEW BOGEN DB20

Recorder) 3 position record equalizer LP (ORTHO, RIAA, AES) 78 and POP for old noisy records: BASS, Treble, Off-
 Tubes: $3.12 \mathrm{AX} 7,2.6 \mathrm{C} 6 \mathrm{GT}, 5 \mathrm{~V} 3 \mathrm{GT}$ recti$5 \mathrm{r} \mathrm{I}^{\prime \prime} \times 11^{\prime \prime} \mathrm{x}$ 1714", Shpg. Wt. 10 lbs BOGEN DBHIO Less Cabinet. . Net 59.95

As above but housed in highly attractive gold and brown finish metal cabinet. Slpp. Wt. 14 lbs........... Net 64.50
H FIDELITY AMPLIFIER
AM78, EUY8, FFRR, POPULAR, Ingut
 Wawer consumption: $117{ }^{7}$ voits, 60 c.i.s. ${ }^{2}$, 150 6 LBG, (1) 6 U4G rect. Dimensions: $15{ }^{\prime \prime} \mathrm{W}$

For Custom Instaliations 89.00 The Model CrA is an adapter kit. designed
to simplify custom installation of the Model DR20 DL Cua. Cum MOTEL CUA. Custom Instaliation Kit. 3.15

BOGEN RE-5 RECORD EQUALIZER For use with reshe or Rrivin ur why funer it tringeer This nush luytun tiaualizer proonided



## Pilot rumem Flluidit

 AmplifiersAMPLIFIER - MODEL AA-903
Williamoon type 10 matt Amplider, with bultrin Preamplifiter. Contains ${ }^{7}$ tubee including ase mounted behind decorative fornt pant which may be eatily remored for cablinet in stallation, and includes, On-OAZ Volume, en arate Bass and Trebel Controle and Founlize selector switch for LP, NAB, $\triangle E S$ and Foreigh Recordins. Prequency Respomse $\pm 1 \mathrm{db} 15$ to level 70 do below 1 volt. less than $1 \%$. Hum rided for Radio and Auxiliary equipment and one indut in provided with adiusta ble impedanee or matching the rarious magnetic cartridgee.
Ampliner madel AA-s03 ........ NET 69.50

MODEL AA-410 - 15 WATT
HIGH FIDELITY PILOTONE AMPLIFIER

 RE:BPONSt, Plus mennas 1 do $1 ;$ Rat to tillin






MODEL AA-410 NET 49.50

PILOT FM TUNER MODEL 607A The new lilot FM Tuner Model 607 is designed to give a very high standard o FM pertonmalice despile its low-tust. 2hcorporates automatic frequency control for simple "lock-in" tuning and drift-free reception. Tuned R.F. amplifier. AFC with 500 ohm output impedance with 500 ohm output impedance. Respunse
$\pm 0.5 \mathrm{db}$ from $20.00,000$ cycles. Senat tivity. 5 mictovelts fer 20 cycles. Sen-1 put for crystal Phono. Has built in in pur for crystal Phono. Has built in an 6AU5, Tubss: 2.6BAs, GC8, 6ALs,
 cycle AC. Shipg. W't. 10 lbs .
MODEL 607 a List 99.25... $N$ N $\$$ h9. 50
MODEL AA-904 AMPLIFIER









 MODEL AA-904 $\qquad$ NET 89.50

## AF-825 PILOTUNER

The precision engineering-the sensitwity, pedance: 500 ohms cathode follower. Input
selectivity and stabiluy-oi selectivity and stabilhy of this superb 1mpedance: Tape, AUX: 470,000 ohms.
Pilotuner are up to the highit ievel hat has Phono with Preamp in: 0800 ohms to 100, won world-wide fatue for Pilot as The Stan- 0uo ohms variable with calibrated pot. Audio dard of Excellence. SPECIPICATIONS: Sensitivity: For 1 volt output. Full Arm-
 540 to 1700 KC . Sensitivity: FM- $\mathbf{3}$ Micra volts for 20 db quieling, AM- 5 Microvolts
for 2 volt output. Seiecuyity. FMfor 2 vot oulput. Selectivity: $F M-6$ db
down at 200 Kc , AM- 6 db down at 9 Kc . Peak to peak separation 320 Kc -Linear for 190 Kc . Antenala Input: FM- 300 ohms to match external dipole, or luilt-in line cord antenna, AM-Internal ceramic powdered iron loopstick with provision for matching
to standard RMA external antenna. Tone Control Range: ( $20 \mathrm{cps}, 100 \mathrm{cpis}, 800 \mathrm{cps}$ $10,000 \mathrm{cps}, 20,000 \mathrm{cps}$.$) ). Boost ( 19 \mathrm{db}, 12$ $\mathrm{db}, 0 \mathrm{db}, 14 \mathrm{db}, 19 \mathrm{db}$.$) . Cut ( 19 \mathrm{db}, 12$
$\mathrm{db}, 0 \mathrm{db}, 14 \mathrm{db}, 19 \mathrm{db}$.). Audio Output 1 m .
power line antenna. Tuned RFF: Buplt in stage for improved senstivity ano se.entiv. ity. 3 gang tuning condenser. Automatic requency control (AFC) for ease in tun. for dis position on selector switch piundes weak station the AFC to allow tuning to a weak station adjacent to a strang station.
Temperature cumpensared oscilaior for minimum drift. Fully shielded aganst minumum iritt. Fully shielded aganst
oscillator radiation to conform with radiation spectications. Shpg. Wt. 16 lbs . AF-925-Pilotuner. ........ Net 129.50

# ITM <br> FiDech y <br>  

PILOT AF. 860 FM-AM TUNER The New Pilo FM.AM AF-8 8,0 Tuner with complete preamp and buitt-1n equal discriminator circuit on FM provides ex cellent sensituvity. Continuously variable AFC with 2-stage $1 F$ amplifier gives broad or sharp AM banduidth. Dual truanza-


 tortion less than 0.2 at 14 output. Input: magnetic phono tapec; auxiliary. Has and Maroon front panel. Size $712^{\prime \prime}$ $1414^{\prime \prime} \mathrm{x} 9^{\prime \prime}$ dogp for 110.120 V 6i) cycle
AC. Shpg. Wt. 21 lbs . PLLOT 860 List 299.25 _-_) 179.50

PILOT AF- 724 FM-AM TUNER
This new model incorporates many superb features hitherto unheard of at its moderate price. Incorporates automatic fre
quency control ( $A F C$ ) for ease in tuning. quency control (-AFlector switch uuvides for disabling the AFC to allow tuning for weak station adjacent to a strong station. Sensitivity: FA1-3.5 microvolt for 20 db of quieturg AM-5 microvolts for 20 db of nuieting. Audio Frequency Response;
0.5 db 20 cycles to 20,000 cycles. Audio output impedance 500 ohms, cathode follower. Tuned R.F. amplifier stage. Temperature compenst in high efficiont coramic powdered iron loop antenna. Tubes 613 A 6 $6 \mathrm{U} 8,6 \mathrm{BA} 6,6 \mathrm{AU} 0,6 \mathrm{AUS}, 12 \mathrm{AU7}, 6 \mathrm{AB4} 4$,
 Hov. 50.60 cycle AC. Shpg. Wt. $131 / 2$ lbs.
pIIOT AF-724............. 89.50


## FAMOUS BELL HIGH-FIDELITY AMPLIFIER

MODEL 2200 C 20-WATT AMPLIFIER
MODE 2200 C 20 WAT AMPL Bell Thus amplifker is the latest to come out of Bell'
rellown ellymeeribs laburatories. it has been unler derlopment for oreer yerar and has in
 dewired by
The Sodel 2200 lisa a removable ethed dia.
pinte and is supplierl coniplete with aiz $1 \%$ pince and is supplieet coniplete with is instalis. tion. It a hav has a sumket for plugging in a pliot lipht. if onle tid desired (sere accessory below)
Three 117
holt A. batire of enstanis to pusismition wou to control your
 Silth on the aniplifler.
 db at 41) rycles. Treble Control: -28 db
$+1 H$ db at 13 ke. Oher Controls. 5 .
 tow letel carimdigese) TV, micmophone and zape
 For $110^{\circ} 120$ tolta, 50.60 cycle AC. Wt. 2 21220 and Plitot Light A 2200 usmbly. For Model
 let. J.S WET


This new and improved rerssen of cur popaiar able festures that are nost wantel by high


 Marnetio innuss anoure priper matils anid ric symanse fro
pickurs

## TECNNICAL SPECS: POWER OUTPUT: 10

 FREGUENCY REBPONEE 20 to 20,000 eycles plus or minus db wish controle edjusted for Tuner; Auxilary Tape: TV of Cryainl; $=1$

 18: one tuner and mine ausilary. Ozerall Vol Lo glus 13 db rartation at 100 escles Treble 12 db varisilion at 100 cycies Trebio Tone con
 penance jeck for dise or fape recorders. Rockel
por Bell wool 2201 Pllot LIght Asembly
 6V6OT, $1-5 \mathrm{Y} 3 \mathrm{OT}$ GIZE $\triangle \mathrm{ND}$ WE WRLT.? Menti 11220 - lat $\$ 89.90$..... WET 52.8

## BELL MODEL 2256 HI-F

 12 WATT AMPLIFIER Beautiful to look at and functionally com plete, 12 watts withquency Resionse $20-20,000$ cycles, plus or minus $t_{2} \mathrm{db}: 6$ Inputs; Radio, crystal Pickup; 2 Magnetic prchup, spectal for irequency Tape Recorder or TV Controls: (5) Lutualization and Selector swluls "ípu-i NARTB, FFRR, Eurovean; Kadio, Tape ance Jack foi Trace Y! Dies, Tulpes
 MOOEL 2256-List 149.90. .... Net 88.15 A compact, high-fidelits I. N-AM Tuner expressly designed and thashed tor opent
shelf or tabletop une too beatiful to hide. Excellent companment unit for the e25b, or other tuality amplifiers. Kis
grounded-grid inpue stake, dowle tuned limiter, armstrong circuit AFC and cathorle follower output lunk-in AMI an-
tenna. Controls: Selector, Off on, AD, FM with AFC, FM withuut AFC, Nomentary AFC-defeat switch. Tuming
sensitivity FM, fuv for 20 db quieting.
 GAU6, 1-12AU7 , bat 5 :, plus selenium Gold. For $110 \mathrm{v}, 50.60$ cycle 1 C . Shpg. wt. 9 tbs.
 (2)


## HARMAN KARDON MODEL

Armstrong system with ton tuned circuirs including two If stoges and two double luned limiters. Tuned
$\qquad$
$\qquad$
Model A400
net $\$ 89.95$

## FISHER AUDIO EQUIPMENT



NEW FISHER MODEL 70 RT FM.AM TUNER
similer to Model ans. but includes tone controis, pre-amplifier. adjustable record equalization and loudneso control inntains 15 tubes wlet separate front end for FMi and ABI, Self-powered, completely shlelded



 amp hat two caseoded triode ntages. Accominodates sll magnetic plct-upv. Tule compleraent: 2-6BQiA,
 ELSMER 20 T

THE FISHER MODEL 70-AZ AMPLIFIER
The Fanious Fishler es watt basic amylificer tion: less than 0.isec at 20 watts: 1.1. less has no control, ideal compamion uns tor than $0.5^{\circ}{ }^{\circ}$ at 20 watts: output mpedance $5881,51+G$ rectifier, Size 61 : $x$ 143:" antomatcally corrects varying load impedsystem. Peak power capacity of 50 wates
Frequency response 15 to 35,0 , cy ${ }^{2}$.ets a 25 wall outyut ine fill Harmpilic 99.50

THE FISHER MODEL FM 80 The Fisher FM- 80 combines startling sensitivity, compact denign and micro-accurate
tuniny. Tuo tuning meters-one indicates cuning. Tun tuming meters-one ins when
signal strengh, and the other shows when tation is tuned properly, Arm-rong sysprovides extreme ensitivity. Frequency iesponse $\pm 1 \mathrm{db}$ ev=iu, uny escies. Sary. able automatic Frequency conerol and two to-1011 logging scale: 10 tulies and wist rec
 FISHER FM-8O.

## lafayette <br> ...The House of tliph Fiullity <br> presents

## Latest

## shagnecord

Professional
Tape
Recorder

## 29900



The now Magneord M30 is weleome low-cost addition to the famous 3agnecorder line-inaking Magnecord qualty now available to industry, schools, tusitc, and home
high fidelity at an unheard-of-price. No mere "cheas mudel,", the M30 is preclaton high fidelity at an unheard-of-price. No mere cheap model, the M30 is preclaion
built to the saine high standards that have made Magnecord the world's milost widely used professlonal lape recorder. Operates at $3.75^{\prime \prime}$ and $7.5^{\prime \prime}$ per second. Has separate, half-tracis erase and record-play -back heads, Bullt-in preamp-equallzer; ready for
playbeck through high-fidelity system, radio or TV. Response: $7.5^{n}$ speed, $\pm 2$ db fronn $501010,000 \mathrm{cps} ; 3.5^{\prime \prime}$ apeed, $\pm 2 \mathrm{db}$ from 30 to $5,000 \mathrm{cps}$. Nolso: 50 db . Flutter: Less than $0.3 \%$. Two Inputs: 1-high-Impetance mike: 1-radio tuisr. TV or
 toring during recording or playtack. 'Takes up to $7^{\prime \prime}$ reels. Rugged portable case.

44 lbs.
MAGNECORD M30 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Net 299.00



## 310A FM MONITOR TUNER

most important new deveiopinent in tuner design The 2 mc . wide-band detector. 3 liniters and ful wake turing eumplotely nen-ce!ticat and drift-rree. Dynaural interatation noise suppressor. Automatic Eyin contrmi. Tuning and signal strensth meter. 300 hm input for 20 do quieting. Chathode fi lower
db
output.
rejection of modulatlon of strong local signals. 10 ubes. Size:
 uleration froun $105-125 \mathrm{v}$. $50-60$ cycles AC . Sapg. SCOTT 310A-Lats s340.10..... NET 146.51

# Imllutosh 

C-8 AUDIO COMPENSATOR 8850

The now, latest McIntosh C-8 Audio Compensator is a complete contro center for home entertainment aystems. Designed for use with the Bast 5 pusition rumble filter. Features 5 turnover and 5 rolor 5 silde switches selector, Bass, Treble, off-on-Volume, Switch for FM or magnetic car tridges. Inputs $5: 2$ tuner, tape crysial mike, 1 low impedance mike,
 Mc-30 or jow 2 Amplifier. Shpg. Wh $7 \pm$ lbs. MODEL C-8. .less cabinet

Illyntosh
MC-30 30 WATT AMPLIFIER

## 14350

 Designed for those who expect the finest, the Mcintosh MC-30 sets a nowstandard among amplifiers today. It brings almost an unbelievable clarity of tone-clean, pure living sound, Hawless audio reproduction at peak power handing bapasily: Dasignod for uns with C-8pre-amplifier, a fra for use with quallty FM-AM tuners. Only 0.5 volt input 13 required for
full 30 wall nutput. Hespmap +1 dh, 20 in 30 ano curles at 30 watts Harmunde Dirturtlun. less than $4 \%$ at 30 watts. 20 to 20,000 wate Intermodulation: Less than $0.5 \%_{0}$ for instantaneous peak power below 60 watls. Hum and Noise: 90 do below rated output, Output: 4, 8 . 16 and 600 ohms. Uses 6 tubes and rectifier- $2-1614^{\prime \prime}$, in output. Attractive AC. Shpg. Wt. 36 lba. MODEL MC. 30.

NET 143.50 50W 2-50 Wut Daole Amplifer. Idoal for use witn CNET 249.50

## UNIVERSITY <br> 

MODEL 6201 HI-FI COAXIAL Enjoy bolonced response and full ronge repro. duction with this $12^{\prime \prime}, 25$-wott, high fidelity cooxial speaker. Low irequencies handied by cies by one-piece molded cone; high frequeally mounted thot blends with low frequeney oufput to form a uniform area of sound $80^{\circ}$ wide. A built-in, 2000 -cyele erossover nelwork ossures moximum efficiency of the woofer and tweeter 44.10
University Model 6201


GE S1201A 12-Iach
This deluxe $12^{\prime \prime}$ Alnico $V$ PM speaker is rety popular for hume hi-f unita, public address, etc.
where 25 watts handilug power with $50-13,000$ cua frequency range at moderate cost make it a universal favorite. Incorporates late speaker de.
sign derelopments for brilliant highs mellow sign derelopments for brilliant highs, mellow husa reaponse. Heavy Almico magnet, alumiNeev. List 833.95. ghpg wt 9 ibs. 19.95日䀎- 100 8peaker.
. NET 1. 11


HM LANSING SIGNATURE SPEAKERS The faruous Jim Lansing precision engineered and cunstructed apeakers are made to supply the funst luudsparker performance possible without compromise, depelndent only on your audio
sjstem. She 15 -inch D-130, with a nower linndling capacity of 25 watts, has a virtualiy tiat frequency resounse from 50 to 12,000 cps. Hus ane-plece molded cone with aluminujn high frequency center diaphragm. Cises an edge 3 lb . Alnico $V$ peraunent magnet. Nominal inupedance 10 ohuis. Complotely enclosed magnet mounted in heavy, rigid aluminum frame.
 MOOEL 0.131 . Same design and construction features of D-130, except in $12^{\prime \prime}$ size and 20 -
watt power Imput. $0 . D$. $12 \%^{\prime \prime \prime}$; depth $5^{\prime \prime}$. Shyg. watt power Input. 20 lbs. $12 \%$; depta . Shps. jim Lansing D. 131 . 72.00 8lonatupe Speakep. . with a power input of 12 watis. Has 15020 . Almico PM, edge wound ribbot voice coil and vented to elininate non-linear conter diaphragm fects. Inpedsuce 8 ohms. U.D. $82 n^{\prime \prime}$ : depth


## Electovorice

Discovery of the EVV RADAX Principle provides economical and superefficient snethod of utilizing two disparate caexially mounted cones to divide the audio spectirum
while both operate from only single voice coil.
Built-in mechanical crossover from the low-frequency cone to the high frequency propagator permits design of each cone for aptimum response. This provides a true coaxial two-way speaker system that assures clean sparkling wide-range reproduction. Frames are extra sturdy. Both

RADAX COAXIAL SPEAKERS


Model SPIE lodax Super-Eight. 8-inch coaxial speaker. Resanance 65 cos . 15.20 watts. Reaponse $35.13,000 \mathrm{cps} \pm 6 \mathrm{db}$. 16 ohms impedance. Sens. rtg. 44 db .
 depth behind mite panel. Shipg. wt. $82 / 2 \mathrm{lbs}$.
Uat Price.
\$47.50 Not 27.93
Model spl2s iedax Twelve. 12 -inch couxial speaker, Resonance 50 cps $15-20$ watts. Response $30-13,000 \mathrm{cpo} \pm 6 \mathrm{db}$. 16 ohms impedance. Sens. rtg. 4
 $534^{\prime \prime}$ depth behind mte. panel. Shpe. wr 91 it
Usi Price.. 5 watts. Redax $\$ 4$ per- 1 welve. 12 -inch coaxial speaker. Resonance 43 co Crossover, 4000 cps . 316 . Alnico $\pm$ maenet. $12^{1 / 20}$ dismpedance. Sens. rtg . 18 db crossover, 4000 cps . 316 . Alnico $V$ magnet. $121^{\circ \prime}$ diam., $11^{\circ}$ beffle opening $7^{\prime}{ }^{\circ}$
depth behind mig. panel. Shpg. wt. 26 lbe . Ust Price..
$\$ 85.00$ Not 55.76
Modet SPI5 Redax Super-Fthoen. I5-inch coaxial speaker. Resonance 10 cpp .30 watts. Response $3013,000 \mathrm{cpt}+5 \mathrm{db}, 16 \mathrm{chms}$ impedance. Sens. rtg. So db. Crossover, 3000 eps . $51 / \mathrm{lb}$. Alnico $V$ magnet. $151 i^{\circ \prime}$ diam., $131 / 2$ ba flie open ing depth behind mig. penel. Shpg. wt. 44 lus
NEW JIM LANSING Signature LOUDSPEAKER STSTEM

# ACM AT THEES PRIGES 

## H|-F| MULTI SPEAMER SYSTEMS

(fق) 8"PM-6.8 ez. Woofer 5" PM Tweeter Cressover Neiwork $20-15,000$ cycles


Weafer - will give you root High Fidelity per. for the first time, an enclosure that wilvaniage of the 2 -way speaker pre as Now, for in a small package-with the speaker arrangement 6.8 oz magnet tormance positively will outperform any PM 12 -watt speaker weter and Crossover ciple. Comprises a special $5^{\text {i }}$ specially designed acting as a "woofer plus high frequency rang "presence" of Network to increasen, with the unmistakable balance whis unbeliovable reproduear-will recr ${ }^{\text {ren }}$ INEISHED CABINET

UNFINISHED CABINEF birch, porfect for -handsomely styled-made of paint it to march the style Cabinet is unfinhogany finish the rest of your furniture. Reproducer . Wt. 22 lbs.
 and fins enclosed. Size: $23 / 2$ Sot 29.45 pletely 10 -Complate 2-way Speak cabinet ......... Not 13.75 No. SY-io. installed in unfinished cabinet) Net 19.50 No. SY-11-Complete Syste No. S8-34-Cabinet only


## . $5^{\prime \prime}$ <br> Tweeter <br> 



Tweter and Crossover Natwork that will assure.
2" Tweeter and Crossover Network hou now possess. apcially designo high frequoney make your prestont sp up to 15,000 cycles. Diop $\mathbf{7 . 9 5}$ creasing the nigh frequent sTock No. SY-14 $\mathbf{~ S ~} 51$ Crossover Network only $\begin{array}{lll}\text { stock NO. SV. } \\ \text { Stock } & \text { No. MS-71 } & \text { Crossover Network } \\ \text { SK-35 } & \text { 5" Tweeter only................. } 2.45\end{array}$ $\begin{array}{ll}\text { Stock No. SK-35 } & 5^{\prime \prime} \text { Tweeter only... } \\ \text { Stock No. SK- }\end{array}$

12"PM-9 oz. Woofer 5" PM Tweefer Crossover Nefwork
$20-15,000$ cveles


## CORNER HORN ENCLOSURE (Unfinished)

## 2.Woy Speoker System

for trou can enioy the linest and
sible extended bass resp. Especiatly designed more. A full 2 -way speaker systom formance is dechiesved esponse and eliminotes cabiner horn enclosure makes som system consists of the Famous $G$ radiation of high treau rosonance. Excellent poer-
 Network to increase the high ir specially designed 5 . 25 watt speaker with 9 ozer Cornor Horn Enclosure, which Hequeney range to $15,000 \mathrm{M}$ Cyeoter with Crossover ciends in with the rest of your Yurniture finish to maich the strys, in an undinished ins., Enelosurnted, ready tor use. Size: R1" Wepoducer is comptetely and tinish that
 Model S8-35

35 Unfinishod Corner Horn Enclosure
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Nol 29.95
WITH TWO.WAY SPEAKER BAFFLE The 2.wer sooker yr SPEAKER SYSTEM

2-WAY SPEAKER STST
2-WAY SPEAKER SYSTEM
G.E.
$12^{\prime \prime}$

Natwork


- G.E. 12' PM-25 Watt-9 oz. magnet 'Woofer'
- 5" Tweeter and Crossover Network
Ideal for custom installations, where speaker system is desired to obtain a high d". gree of audio fidelity at d price that will fit youp or in your presen now replace your old spour speaker sysfem that phonograph with d 2 wall bass response providell give you clean, distinct heavy duty $12^{\prime \prime}$ PM 'woofer by the Famous G.E., arge Alnica $V$ mognet ( 9 with exceptionally Migh frequency mognet $(9 \mathrm{oz}$.), and inerease the pletsover Network, making this 5' Tweeter and plete 2-way music system whis assombly a com. fone balance that will astonish you will recreate a form day speaker arrangement costing outpercluded, Shpg wrice. Wiring aingr or 3 stock shpg. Wif. 13 ios. Wiring dingram inPaOR +



WORLDS FINEST Fully Automatic


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Contains Features Found In no Other Changer

The Collare is designed and engineered to meet the most exacting requirements of the finest audio systems. Superbly con. structed and simple to operate, it performs with unerring accuracy and silent smoothness. Designed for service and safety. Children won't damage the Collaro by moving the arm-it's jam-proof. The powerful 4-pole motor and weighted balanced turntable assure freedom from "wow". Painstaking attention has been devoted to the minutest details. Check these features.

FEATURES
POWERFUL 4-POLE MOTOR-with dynamically balanced rotor, and integrally built 3-speed drive mechanism. SIMPLE 2-KNOB CONTROL-con. sisting of single-knob speed selector and single-knob control for 'on', 'off'
and 'reject'. WEIGHTED STEEL TURNTABLE-runs on hardened spindle with cushioned ball-thrust race for smooth, silent operation. LARGE IDLER WHEEL-with molded-on precisely ground rubber drive for quiet constant
speed performance. AUTOMATIC IDLER DISENGAGEMENT - when changer switches to 'off'-prevents development of flat spots. AUTOMATIC SWITCH-OFF after last record side is played insures that changer can never be accidently left running. INSTANT REJECT-eliminates time lag between control and response mechanism. Reject impuise immedialely
raises tone arm from record. AUTOMATIC MUTING SWITCH shorts out raises tone arm from record. AUTOMAR all but playing cycle. Eliminates 'clicks and run in grooy noise. UNIVERSAL SPINDLE-gently lowers record stack into feed posi-tion-accommodates all record types, including 45 rpm records with hole adapters (special 45 rpm slip-on spindle available as accessory- $\$ 3.23$ net).
RUBBER TURNTABLE MAT-eliminates record slippage. Does not shed or
retain dust and abrasive grit. STYLUS PRESSURE ADJUSTMENT-permits setting of pressure to as little as 3 grams with perfect tracking. PLUG.IN HEADS-2 furnished-accommodate standard crystal, ceramic and mag. near cartridges-quickly inferchangeable. SIMPLE INSTALLATION-for and maroon. Cushion springmounts built-in. DIMENSIONS $-12 \times 131 / 2$ inches. Clearance required above mounting board- $51 / 0^{\prime \prime}$; below- 2 s/9". COLLARO MOOEL RC. 54 INTERMIX CHANGER LESS CART. RIOGE, List, $\$ 65.00$ Net 47.77 COLLARO RC. 54 Intermix changer with G.E. RPX-050 Triple Play cartridge with Dual Sapphire installed. Net 49.95 COLLARO RC-54 Intermix changer with G.E. RPX. 052 Triple Play GOLDEN TREASURE cartridge with Diamond and Sapphire styli installed. Net 59.95 ACCESSORIES
45 RPM SPINOLE. Slips on in place of regular spindle, eliminating use of spiders on 45 RPM records. GSA Spindle Net 3.23 TURNOVER CARTRIOGE with sapphire needles MODEL O Cartridge AUDAK ADAPTER, plug-in adapter for use with Audak 6.47 ridge. GPA Audak Adopter $\qquad$ Net .82 NOTE. Plug-in shells supplied with changer accommodate all
 other standard cartridoes such as G.E Electro.Voice etc.
REK-O-KUT TRANSCRIPTION TURNTABLE
MODEL B 12 H A professional qual iy 3 speed transcription turntable
average recording level Self lubricating lysteresis motor. Internal rim drive-disappearing 45 rpm adapter built into turntable. Lathe turned and balanced cast aluminum turntable. all standards set by NART8. Mounts in cut out $1311^{\prime \prime} \times 14 \% /^{\prime \prime}$ Requires $I^{\prime \prime}$ clearance above and $61 / 2^{\prime \prime}$ below board. 110 V . 60 cy. AC only. Shpg. W\$. 17 lbs. MODEL B-12H.... 119.95 MODEL B-12: Same as above-except with 4 pole induction motor Noise level 40 db down. MODEL B-12. 69.95 MODEL L-34: 2 speed $331 / 3$ and 45 rpm. 4 pole induction motor. 12 " Turntable. Shpg. Wt. 15 lbs. MODEL L-34. $\qquad$ Net 49.95 MODEL LP-743: 3 speed- $78,45,331 / 3 \mathrm{ppm}$. $12^{\prime \prime}$ turntable4 pole induction motor. Shpg. Wt. 15 lbs. MODEL LP-743.

Net 59.50
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## GARRARD <br> 3 SPEED RECORD CHANGERS 68.11 (ip 48.51



## MODEL RCP

 Tith innumerable thatiger and entirely exclusive Centures. Plays all record sizes st speeds.Features an entirely new type of strong, silent
 Speed adjusturent is not achleved by mechanical brakling but by an eddy current brake contral.
All speeds are, therefore, masnetically control-
 any purpose. Suppiled with areguiar, spindle
 is arailingle. Automatically stops after last rec-
ord and tone arm returns to rest. Ecuipped ord and tone arm returns to rest. Etiuipped
both inth inuting swich which operates durlap changing cycle. and suppressor network across

 boird. Supplled complete with spring mountboirs. regular and larse center silndles, transil fixlog scrous two plug-In wartridge sheils. tem-

MODEL RC90....................NET 68.11
GARRARD 45 RPM SPINDLE. ......Net 3.50 GARBARD PLUC.IM SHELL Ier MCso. com-
 MODEL RC90 with G.E. RPX-Ojo Triple Pla certridge "th dual sapphire stulus installed. 71.50

MODEL RC9G with G.E RPX-052 GOLDE, GARRARD "TRIUMPH" 3-SPEED CHANGER The newent addition twe the Girrard line, the lovers who denland the rivest in recurd velforitiance. The nen Garrard. Sriumph" plats alic sultch-off after plasing last rcrord of any mack of
10 or 12 Inch recurds. scoarate spmule is al all ble for use on $4 \overline{3} \mathrm{ib}$ in reords to cliange them automatianlly. Heary duty. silent motur, and hear-
IIt weighted lurn-lable for constant speedl. Mutimg Ily weighted lurn-lable for constiant speed. Mutims hanging records. Jewel mounted. Irue tangent supplifed with two plug-in heads ant tuounting

 $8^{\prime \prime}$ high. Extends "2h/2" below motor boarn, it" abore. Fror operation on $100-130$ rolls, 60 estiles MODEL RC8O. Shpg. Wi. 20 lbs.
pLUG-IN CRYSTAL CARTRIDGE
 GX/80. Shpg. Wt. 1 lb................... 5.88 MODEL RC80 with G.E. RPX-0j0 Triple Play cartriago with dual sapphire stsius Net 51.95 MODEL RC80 with G.E. RPX-052 GOLDEN

SLIDE-OUT DRAWER RECORD CHANGERS

5 WATT MICHOPMONa 3No



A compact, s watt amplifier with many applications such a, how powered P.A. Syatem, Paging Syatem and either a microphone. and/or phonograph. Separate in puts and gain controls are provided for mierophone and phonograph. The latest compensoled tone consrol elrcuit is used and se effective on both inputa. AC on/of phone, I phonograph. Controls: 1 tone. 1 microphone t phonograph, Output impedance: 3.2 ohms. Supplied complete with tubes: $1-68 \mathrm{LFGT}, 1-6 \mathrm{VGGT}$ and $1-6 X 5$ rectiner. Size 8 the $x \times 8 \mathrm{H}$. For 110 Volta AC operation
only. Shio. Wt. approx. 10 lbs .
$\mathbf{1 5 . 7 5}$

MICROPHONE-PHONO OSCILLATOR


This unit. when used with a mierophone and any bro cast receiver, operstez as a "wireless transmituer fo port distances, depending upon location. At your nex radio show. Use it, loo, as a low cost "baby gour own oneowey intercom work, as in taking inentery; fo Permeability tuner is ore-set and adjustable. Use crysta or other hish-impedance microphone: an RCA typ phono sack is provider 110-120V AC/DC. (11), 128A7, nigh. Weight 1 ilt. packed Pk-47-blank Net 6.95 Same as above, cut te your specifications. Specify make and model

PK.48-cut Net 7.95

## BALL BEARING HEAVY

 DUTY DRAWER SHIDES
## Stock No.

ML-34

Made of 16 gauge steel. Ball bearing, double extension type, for mounting changers. Length $5^{\prime \prime}$, travel length $11^{\prime \prime}$, extended $22^{\prime \prime}$. Shpg. W ML. 34
SHORT TYPE length 9

Same construction as above but length $13^{\prime \prime}$ travel

## FAMOUS V-M-TRI-O-MATIC RECORD CHANGERS

ChANGERS LESS EASE
 List, 4B.50. NET
30.22

MOOEL O54OE-LE88 BA8E. With GE triple play variable reluctance cartrider and dinet

## CHANGRAS ON DASE

MODEL OBGGE-ON HAMMERTONE-FIWIBH METAL BABE. WITh GE triple-play sapiable reluct
List. 354.85 NET.............. 35.91
MODEL 956-ON HAMMERTONEFFIN
 List, 2.95. HET $\qquad$
42. 8 oz.
$\qquad$ 2. . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1.88

## LAEA YETTE ELNEST OUALITY



Quality guaranteed tape as good or better than any other Tape on market or your money refunded
Truly o stortling Buyl Latayeffe made a ferrific deal with one of the leading and largest manufacturers of recording tape in the country to supply us with their reg. ular tape, of the same quality and standards of manufacture as their own tape which sells for almost twice our price. We have placed orders for millions of feet in order to obtain a low price and we are passing the Savings On To You. WE DON'T AGREE THAT OUR TAPE MEETS EVERY CLAIM WE MAKE FOR IT SEND IT BACK AND WE WILL CHEERFULLY REFUND YOUR MONEY. The finast, pro-fessional-quality recording tape obtainable. Highest performance for thousands of playings. Red Oxide Base in a smooth, uniform coating; greater signal strength. of playings. Redidexide Base in a smooth, unitorm coating; greater signal strength;
with maximum fidelity; uniform frequency response from $40-15,000 \mathrm{cps}$ at $71 / 2^{\prime \prime}$ per with maximum fidelity; uniform frequency response from $40-15,000 \mathrm{cps}$ af $71 / 2^{\prime \prime}$ per
second; and freedom from background noise and distortion. The plasticized cellu. second; and freedom from background noise and distortion. The plasticized cellu.

## 1200 ft . 7 " REEL

Per 1200 ff . Roll SHPG. WT. I4 OZ.
$\$ 175$
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1.89 cors of 10

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| MAGNETIC TAPE SPLICER |  |  | $\underbrace{\text { LM }}_{\text {LABE }}$ |  | sid | - |
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| $47$ |  |  |  |  |  |  |  |

# TAPE RECORDERS-HI-FIEEQUPMENT 

## GENERAL ELECTRIC PHONO ACCESSORIES



## NEW SERIES "A" CARTRIDGES WITH <br> INDIVIDUALLY REPLACEABLE SLIDE-IN STYLI

"TRIPLE PLAY" CARTRIDGES (A) Tinese convenient duahas ylus "Triple-Pley at roturtanie smple wit of the knob bries



SINGLE STYLUS CARTRIDGES(B) Variahle relactance cartridge with rephesesble






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| :---: | :---: | :---: |
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| Single strius for roplacement in old trpesingle cartidgges. Connot bo usod in "A" trpe. |  |  |
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|  | $\begin{aligned} & \text { 8apphire } \\ & \text { 8apphire } \end{aligned}$ | $\begin{aligned} & 0011^{\circ} \\ & .0025^{\circ} \\ & 0000^{2} \end{aligned}$ |
| List Eseh, 83.50. WET EACH ........ 2.00 |  |  |
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## GOLDEN TREASURE CARTRIDGES

 Dlemond Tipped Busic lovers are confronted by two major prob-lanling liow to obtain the bett powible retord
reproduction and, at the same time, ave their favorite retordis fromin wesar and diatortion. The
 upxespa With niylus hevis .001" diamond cupand $003^{\prime \prime}$ mpulire tip. . . . तER 22.90 apxos3A With motyus havine two die List $857.900^{\text {R1d. }}$
Gold-plated carirdige ...in di..... MET S4.06 for nulnlinum rexul wear and liand-tipped atyl
Rpasif With . 001" diemond.tip atylne for

## Mist recorls.




## BROADCAST CARTRIDGES

For low impedance input Complete with styli

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RPX-145
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Diamond .001
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ritge. Includes, spring. washers. plastic kmob RKPOO日 List. MO 29 C

## GE PRE-AMPLIFIERS

Self powered preamp for use with GE or simile magnetic carindges sind pickups. Han 6SC thbe in equalizing circuit: plus rectiner. Inphono plus. For 117 volts, 60 cycles AC. 3 mx UPX003A- List $\$ 17.85$.
G. E. AI-901 RECORD|FILTER AND COMPENSATOR
Improve your hi-fidelity pertorimance. Three independent tilter controla combline to Ilter all unde-
sirable nolse, and to correct tonal balance for sirable nolse. and to correct tonal balance for
every record. it separate frequency adjustments are provided coverlng the entire audtofrequency ranse. Aupplements the rlchness of good sound reproduction. Lo-cutof control with 4 adjustments or suppresslon of turntable rumble. vibration, etc.; Hi-cutorf control with 4 adjustments for sup-
pression of record scrath and high frequency distortion; cornpensatur control with sir adjustments for most wldely used recording curies. Automatic bass and treble erfualization. Connects between cartridge and preamp. For use with systems usIng G.E. or similar types of maknetle cartridges.
Handsoine cablnet, size $7-9 / 18^{\prime \prime} \mathrm{L} \times 3-9 / 16^{\prime \prime} \mathrm{D} \times$ G.E. A1.901............................... 19.55

## -roctpos, onol Troct <br> TAPE RECORDER <br> - Single Shiti kliois Comprol <br> - High Speed Forword and Rewind <br> - Two Imputs-Two Oułputs Instontaneous Stop

The new Masco 500 18 packed
with features. Instant selectlon of atther $3 \%$ or $7 \$ /$ inches per wocond speeds. Dual track recordings up to 3 hours on now "thin" asper. Esas inputs for microputa for oxternal amplifier and external mpeaker. Frequency esponse froms $50-12.000$ cycles
$\pm 3 \mathrm{db}$ at $71 / \mathrm{s}^{3 \prime}$ per sec. Wow is less than $0.3 \%$ signal 10 Hias 2 recording level indira. tors. Simple to operate; one knob does all the work No lape spllage or breakage, prevents accidental erasures penker in or out cut interns soesker in or out. High speed reveralble-winds $1250^{\prime}$ reel In $11 / 8$ minutes. Patch cord enables direct reoording from
phann pirlup or from redin TV aet: also used to play recorder through jour hl-filapeaker or ampllifier. Standby position keeps inachine ready to record. Power output 5 watts. Truly portablewith 625 ft . tape, $7^{\prime \prime}$ empty takeup reel and 6 ft . patch cord. Shpg. Wi. 26 lbs
MASCO 500.
NET 121.47

AUDIO HEAD DEMAGNETIZER
When a recording machine leaves its factory, the heads are unmagnetized. However, music and speech consist of a series of transients, often not symmetrical in peak value. Other asymmetrical transients may occur in line noise, in starting and stopping the machine, and par-
ticularly during tests. The effect is cumulative, ticularly during tests. The effect is cumulative, head may have picked up enough magnetism to raise the noise level by several db and to in crease second harmonic distortion slightly. The Audio Head Demagnetizer, Type No. 400, is an AC magnet assembly provided with extended pole pieces shaped to fit the contour of the recording head. Properly used, this head demagnetizer will remove any" permanent mag netism which may have accumulated in the recording head-thereby reducing noise level which is attributable to this causc. THE AUDIO HEAD DEMAGNETIZERNo. 400 -List $\$ 12.00$.

## PRINTED CIRCUIT PHONO-AMPLIFIER

Midget size basic phono amplifier using printed circuit fechnique. Power out put up to 2 watts-all you need for the average table model
phonograph. Double filtered power supply with selenium rectifier gives fine quality output response of up to $8,000 \mathrm{crcles}$. Small enough to fit almost anywhere. Aperates on
volts, $50-60$ cycles $A C$ or DC. Com plete with volume control and tone control with on-off switch. Chassis base $41 / 4^{\prime \prime} \times 21^{\prime \prime}$. Supplied les PK-64


## THLAPHONE PICKUP



FOR RECORDING TELEPHONE CONVERSATIONS

## STOCK NO

 MS-16
## Palophona

Talophona conuercetion pickup now be picked up with no tap phon of wires or special tele. phon circuits. Simply place or upight type, on the cradle platiorm and connect the leads is the high impedance input of any medium goin audio ampli. fier, or directly to any tape. der.

## PORTABLE AUTOMATIC

 45 RPM RECORD
## CHANGER = PLAYER

Plays a Stack of 1445 RPM Records Automatically.
Completely Self Contained-No Need to Connect to Radio
An attractively styled portable phonograph for all types of 45 RPM records. Self contained powerful amplifier and Alnico $V$ speaker. Aufomatically changes contınuous music. Has fuli range volume conirol. Wood case, with lock corner construction, is covered in wood case, with leatherétte. Truly portable, only $81 / 4^{\prime \prime} \times 71 / 9^{\prime \prime} \times$ IIl/". Shpg. Wt. 9 lbs.
PH-42

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Replocemen Stufus or G.E. Catridops
DUAL STYLUS-TRIPLE PLAY DIAMOND and SAPPHIRE
(LP)
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Replacement for All G.E.
RPX-050 Triple-Play Cartridges 1
A sensational Price on Diamond (LP). Sapphire
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Lafayotte made a lucky doal on replacoment DIAMOND stylus for G.E. singlo stylus RPX. O4 cartridge (r
Nover Bufore at this Price. Tosfs? conductod on Diemond spyli have run hundreds of hours with no audible distortion and only highlights on the styli to indicate visible wear. A DIAMOND is kind to your records, mointains optimum performance Gives long life to both record ond stylus.

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Dual Diamond Stylus with .001" dard Records Tips for LP and Stan. Stock Wo. PK-32 .....Nol 20.95

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Why pay more! Lafayette made a deal and can for supply you with replacement needies tridges. Equipped with genuine sapphire tips May be assorted for quantity price phire tips.

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| PK-15 | RPJ.eos | RPX 040 | RPPOA1 | RPX 046 | 1 mil | 1.29 | 1.19 |
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|  |  speed, wathut adjliving siandatd 'z" lurunting contion Wide pange revpunsw likh sethithitis. Thim cemamer ele Heter produces an oungut of oiet 1 solt Tise neelle Hal be replaced ylliunt remulame the cartnage. |
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Any Type 89 ea.

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Geninue Magnavox exact replacement cartridges Complete with indicafed sfyli.
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$\mathrm{RC} 21, \mathrm{RC}$
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AC. ACD. LQD ELECTRO-VOICE electro.vole 16TT. SHURE
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| 3.50 |
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\begin{aligned}
& \text { fartrides for motels } R C \text { Complete with osmium needle. } \\
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## HI-FI CARTRIDGE

 WITH THE LOWEST INTER-- WITH THE LOWESTINTORTIONMODULATIN DIS EVER ATTAINED.

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## 3.5 voll output

 Guaranteed high quality exact duplicates for standard replacement of as L70, L82. cartridges such N1O. and many L92, W60B, plug sannactors or all 78 r.P.M. P . $\$ 5.50$
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 Equipped with latest Astit Far whe cartridge. 3 vall mil needle or with all-groove dil ned
p.p.m. 3 mil
stock No. PK-12
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OVAL PM SPEAKERS extremely popular, and quolisy. Anico mag-
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REAR SEAT AUTO SPEAKER KIT


HEAVY TUTY $6^{\prime \prime} \times 9^{\prime \prime}$ KIT
A complete kit for adding another speaker in the rear of your car. You get a $6^{\prime \prime} \times 9$ " PM speaker with a 2.15 oz . Alnico magnet (the
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silver), wire and wiring instructions. Simple to install. Shpg. Wt. 4 lbs. SK-36

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Same as above, but with chrome plated metal grill (illustration $B$ instead uf plastic. Shpg. Wi. 5 lbs.
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5 K .37
Auto Replasement Speaker


An unusuol volue in 5
field coil speakers. Ideol
for outo replacement for Philco. Motorolo, Automatic and other
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## 10"PM SPEAKER   \$C 60 SK.34-Lots of 3, ed.

T.V. SPEAKER EXTENSION

 ten to T.V. set speaker alone. the extension speaker alone, or both. Volume control on exten. lion spantar so you can contro loudness af your chair. Com. plote with 20 ft , cable. Simple WH. 4 lbs. \$x-32.

CHROME Speaker Grille


Deluxe chrome speaker grille in a handsome modern motif. Perfect for rear seat installation - recreation room with flocked sereen and mounting hardware.
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Tyoo Aas, sp 3p.pontlion anten for Use with suxiliary rear swat auto PK-300-5wheh Kit. it. Fiur usr solts, Has positise inciex. Shorting ai 3-position sutich nith conacts.
shaft. Spring bras contacta, sitver indicator plate and white push-on plated. Wt. 2 oz.
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58
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WALNUT WALL BAFFIES Beoutifully polished wolnut b
vstems. Frieze grille cloth. S8-10-6.inch
S8.11-
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UNIVERSAL REAR SEAT SPEAKEI
Designed for use
with latest models wis wall as older cars. Four inch Al. nico VPM speaker completely enclosed In plastic case: Aluminum voize csil for high wattage
capacity and resis. capacity and resis. tance to molsture. bults.in volume control and off position for rear seat passengar control. Ample wire and hardware included
SK-2
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1" TUFFLEX
Double thickness of above. Supplied B8.29 xis sheots.


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Sturdily built of selected wood
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| Stock No. | Speoker | H. W. D. | Each |
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| 58.14 | $6{ }^{\prime \prime}$ | $81 / 2 \times 71 / 2 \times 4144^{\prime \prime}$ | 1.89 |
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HI-FI MULTIPLE SPEAKER BAFFLE
Convart your AM or FM radic for High Fidelity! Improve the sound of any record player or TI sotl This carofully constructec soffle is built of $1 / 2^{\text {co }}$ plywood four 5" speaker ports are prop. erly spaced on the front panel Rear panel has ports for correc
relial. Baffle is $15^{\prime \prime} \times 15^{\prime \prime} \times 9^{\prime \prime}$ reliaf. Baffe is $15^{\prime \prime} \times 15^{\prime \prime} \times 8$
smoothly sanded 1 ady to pain Smoothly sanded ready to pail
or stain. Complete with wovel or stain. Complete with wove vinyl grille diagram and instruc
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## SCHAUER BATTERY CHARGERS

## 4 AMP CHARGERS

Here is a small, highly efficient unit that will recharge most battaries overnight. The 4 ampere charging rate tapers to approximataly 2 amps as the battery becomes fully Charged, Equipped with spocial "ChargerGuard" which provides Instantaneous and suits and overloads. No manual rasetting of a eireuit breaker or caplacing of blown out fuses. solenium rectifier and quality out fuses. Solenium rectifier and quality disconnecting or removing the battery from your car. Operates on reqular $110-115$ volt bo eyel. AC house current. steal ase is $4 / 44^{\prime \prime} \times 4 / 44^{\prime \prime} \times 61 / 4^{\prime \prime}$ Complot with cablos.
needles; single speed has sing STE KIT
18 RPM Complate kit as
described above.
Shpg.wt. 9 Ibs. Shpg.w. 9 MTIO
stock Na. KT-10

## 3.SPEED PHONO MOTOR

 WITH TURNTABLE Plays $331 / 3$, 45 , and 78 RPM re ${ }^{\text {re }}$ Quiot dependabla $\frac{1}{2}$ a $o$ ad change mount $4{ }^{3} 3$ var an io ne ne conters $4 / 2 x$ controi th rod ran Mouting centers $21 / 2$ idder tor sed base mounting plate $21 / 2.0$ \%. 10 , 0 cyeles $A C$. Shpg. $w t, 31 / 2$ los. List Prie $\$ 10.95$.stock No. ML-13.
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MO. PK. SO-MOUNTING BOARD for 1.46

3 SPEED KIT $331 / 3 \cdot 46-78$ RPM Complote kit as
doscribed abovo.
Shpg. wt. 9 lbs. stoct

Model AX-2-for 6 volt batteries $\qquad$ Net 10.46
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Heavier 6 ampere charger that will complately charge the average run-down battery in 7 to 9 hours without disconnecting or removing it from the car. Has the same protactive "Charger-Guard" feature as the AX-2. Equipped with an accurate numeral pate going info the battery. Steel case size $61 / 4^{\prime \prime} \mathrm{I}^{\prime \prime} \mathrm{y}^{\prime} 91 / 4^{\prime \prime}$. Complete with cords and battery elips. Operates on $110-115$ valt 60 cycle AC. Shpg. wt. 6 V madel 8 lbs , 12 V model 10 lbs.
Model $8 \times$-2-for 6 volf batferies Net 12.63 Model 8×2-12-for 12 volt batteries_ Net 15.97 10 AMP CHARGERS
Extra heavy duty. Recharges the average battery in 6 houfs or lass. Ideal for heavy dufy batteries used in passenger cars. Model trueks, farm vahicles, etc. Charges af a CX-2 safe rate which aufomatically tapers to a finishing charge. Has Chargap-Guara feafure for protection against shoris and hows charging rate. Complete with cords hows charging rate. Complete with cords Operates on 110.115 volts 60 cycles AC Sheg $w t$ valt 10 lbs 12 volt 12 lbs Shpg. $\mathbf{W}$. 6 volf 10 lbs., 12 voit 12 los.

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MO. PX-43-MOUWTIME SOARO, W0世 1.46

WOOD BASES FOR 3 SPEED
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## CHARGER PLUG

For use with all Schauer chargers. Elimi- Model a8410
nates need of attaching charger leads to plugging into Car's cigar lighter reseptacla. Fits all cars. Shpg. wt. $1 / 2 \mathrm{lb}$.
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## PHONO PICKUP ARM

Shall only. Whth threeded stud for mounting. Takes any stendard cer tridge.
PK27.......79ea

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2-TUBE PHONO AMPLIFIER 3.50 with Tubes

AC-DE Phono Amplifier 3.25

A two tube phono a mpine as
 using a solt wall-buill, good roctitier. tone and volue. Contans. volume controling

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Equipped with a varia. ble tone volume consoparate volume watts trol. Delivers two ph mooufput. Phonograph am . plifiar. Uses 50 Lb . 125 O 7 and $3525 \mathrm{rccti}-110-126 \mathrm{Y}$. 60 fler. For $110-12 \mathrm{CV} . \mathrm{D}^{60}$.
cycles $A C$ or $110-120$. cycles $A C$ or 110.12 line cord and plug, but loss tubes. Shpg. wt. 2 lbs. tubes.
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## Covers all chamelt $2-83$

Top: in appeerance and perform ance. Signal gain never before cise diractional charactaristics re. lect nois and ghosts. Two toned mahogany leatherette cover blends well in ony sotting. Performance is not gues-but an established act-years of highly satiafactory performance vertfied by anthusiasto consumar reports. We guarantoe If thls antonna does not greatly outperform any other ladoor antenna Metat $\mathbf{6 0 0}$, LIst S14.85-Your Cost
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Combinee principles of Helis coll. poldod dipole, straitht dipole and Delle mateh tranaformer. 6 -posilion switel
malches line impedance and rebonatea anlonina to inaleh rectiver lapui clircult
Corera ill channola $2-83$. Haif ball corivel on clear platile base to beam entenna in best direction. Mounted o
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Ideal for locationa where roof an tenmas are prohibited. $\frac{4}{}$ full-sized queney dipoles. delirer powerfu all-rhannel performance. Installa of base againat window fraine and tightening wing nuts. Easily adjust able base spans up to 44 inchea to
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Unoxcelled performance becauso of Vidonalis original power concentration princtiple. The
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 and color uver the entire range of TV chan-
nols. Functlonal dealan-mazimum durability -unozcelled performance.

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 PUSH BUTTONDIRECTRONIC INDOOR T.Y. ANTENNA - VHF/UHF- AM/FM
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Latest development in all channel coverage this antenna features an bom selector, tri-sec tion dipoles and dual phasing olement. These riety of eireuit a vaments circult arranga tion of best reception for the channel bsing tuned. Attractive gole switch housing. Shpg Wt. 5 lbs.


## Directronic PORTABLE ANTENNA 3D

 Newest indoor anternal Fearectronle 6-position Beam Solector Switchl Gives the channol- instantly - no waltingi Covers all channels from 2 to 83! New crlas-cross phasing alomant glves high variAids in circult arrangements: Ahost impedance matehing, fatlon Twa z-section gold tone brass shafts. Brass plated phoSbs. SNYOER 30. Ust 7.95 _NET 3.30

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## U2IFD UHF Antennas

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TWIN CORNER REFLECTOR

 it back into the curved In-1Ine bow-lle dipoles,
"Double Drive" glves sharo directivity with "Double Drive" glves aharo directlivity with
high front-to-back and front-to-side ratios to high front-to-back and frone-to-side ratios to
elinuinate co-channel and adjacent channel in-
furfuremict. Cuublutit, turfareme. Coundelt, vicusembled. cutire
array tion resists hurricane winds. Triply rein-
forced grids. Grlds. bowties. brackets and naraware sra ciditium and cleark Irridite plated for corroslon protection. Less Mast-
Shpg. Wh 6 lbs.


# Anutuce (IAFEA) $($ ETIE 



VHF CASCODE TUNER

TURRET TYPE COMPLETE 6BK7A AND 6J6 TUBES

Brand new turret type complete front end VHF tuner with snap out type channel strips. Used in thou sands of Sylvania, Westinghouse and other leading set manufactur ers. Has extra 13 th position for in 42 MC suls. Shpg. W\%. 5 ibs . For TL-30..

## MALLORY UHF INDUCTUNER

Here's a buyl Each unit contains the famous Mallory 3 gang UHF inductuner covering 470 to 890 MC - the entire UHF TV band. The manufacturer who used these never completed his sets, so in addition to the inductuner there are miscellaneous other parts. The inductuner alone lists at $\$ 15.00$. Shpg. Wt. TL-28.

ALL CHANNEL UHF TUNER COMPLETE WITH 6.16 AND IN82 DIODE

Covers all UHF channels 14-83. Continuous tuning. Has flexible coupling for attaching to Westinghouse VHF tuners VI2100-1 and V12400-I. Perfect for thousands of Westinghouse sets. Easily adaptable for any application requiring complete coverage of the UHF spectrum. Includes 6J6 tube, IN82 diode and special channel selector knob marked $14-83$, Size overall $6^{\prime \prime} \times 5 " \times 21 / 2^{\prime \prime}$ Shpg. Wt. 5 lbs.
TL-29—In lots of 3, each......................... 4.45
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LOOK WHAT YOU GI GET FOR
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2-IN34A CRYSTAL DIODES
6-RESISTORS
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VIDEO

## STANDARD TV BOOSTER

STANDARD TV BOOSTER
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 $8 x t^{\prime} x+1$ sts high. Furn platic abinct, STANDARD BOOSTERSingle, ea. 1.45 Lots of 3, ea. 6.95 neat. Pitce zease SUPER SONIC


Lafayette does it again! We couldn't pass up a fabulous deal offered us by one of the big jobbers! They wanted to soll for cash-Lafayette put it on the Hile and our cus
tomers can obtain a brand now PHILCO BOOSTER, Model TB-3, in ortginal factory tomers can obtain a hrand now PKILCO BOOSTER, Model TB-3. In original factory $\ldots$ in lots of 3, ea. 11.50 . The Phileu Television Booster Model TB-3 is a high-quality, bush-pull, wide-band radio-frequency amplificr. designed to amplify rif signalis in the television bands.
This unit employs two 6j6 tubes as r-f amplitiers, uses a solenium rectifer in a selfcontsined empioys two supply, and has provisions for controlling the puwer to the television receiver autoniatlcally. It 18 designed for use with a 300 -ohm line, and ran be switched
into or out of the antenna circult by means of a switch on the front of the unit. The booster is switrhed out of the clrcuit when the switeh is in the 8 sT - BY (stand-by)
position or 0 FF porsition. and can bo tuned to television channels. the switch is in the Low position. and to channels 7 through 13 when the sulteh is in the HI (high) pusition MODEL TB-3-Shpg. wt. 5 ths.

## CHANNEL MASTER SINGLE CHANNEL T.V. BOOSTER

For areas that have a problem with one particular TV channel, these units are ideal. Cascode type circuit with 6897 tube and selenium rectifier gives exceptionally high gain ( 12 x or 22 db on low band, $81 / 2 \mathrm{x}$ or 18.6 db on high band). Extremely low noise figure of 4.5 db on low and 6.5 db on high. $\begin{aligned} & \text { ses hid for the specific channel Undoubtedly the finest } \\ & \text { woun }\end{aligned}$ wingle channel boosters made. Simple installation. Booster plugs into wall, set plugs into booster. Completaly self powered. Has connections for 300 and 72 ohm line by-pass switch to cut booster out of circuit and thermal-relay that turns boostor on with T.V. set. Attractive gray metal case Hinges to mount on back of set if desired. Size $41 / 2^{\prime \prime} \mathrm{W}$ x

Mols 9 , $10,11,12$, or 13 . SPECIFY CHANNEL


MAGNAVOX 4.45 U. UHF CONVERTER TUNER

## QUANTITIES LIMITED

- Complete with 6BK7, 6T4 and IN72

The Magnavox 700359 UHF Tuner Converter is a continuous tuning, superhet unit consisting of a preselector, oscillator, crystal mixer and cascode l.F. amplifier. 5 or 6 as desired. Concentric shaft for either direct or 6 to 1 ratio of Vhif channels is applied to antenna tarminals of VHF tuner Power is drawn from VHF. Output Employs Mallory 3 gang inductuner. Designed to extend range of Magnavox 105 106 and 107 series VHF sets but easily adaptab to host of orn applicotions. Overall size: $71 / 4^{\prime \prime} \times 33 / 4^{\prime \prime} \times 43 / 3^{\prime \prime}$ including shaft and tubes. Complate applicotions. Overall size: $71 / 4 \times 3 / 4 \times 4 / 8$ including shaft and pubes
with $6 B K 7$ and $6 T 4$ (or $6 A F 4$ ) tubes and $1 N 72$ diode. Shpg. Wt, 5 lbs . TL-31-In lots of 3, each.....
4.45
4.95

# CDRE (AAFAYTJIE SCOOPS! 



## THE RADIO RECEPTOR UHF <br> CAVITUNER- FRONT END

Complete with 6AF4, 6827 tubes and IN82 Diode

## A LAFAYETTE EXCLUSIVE!

Ideal for UHF tuning - Build your own UHF Converter - Build a Test oscillotor Here's a UHF front ond that covers the entire UHF spectrums 470 -. 890 me channels, 14.82 with the most
advanced engineering features. The Cavituner consists of three cavities two functioning as a band pass preselector, the third controlling the local oscillator frequency. The local osciltator, a Colpitts type tunes below the signal frequency for double superheterodyne or converter applications. Cavity tuning is universally recognized as the finest. Its features includes no moving electrical contacts, frequency stabil ity, uniformly broad bandwidth and high selectivity over entire funing range, low noise, high gain ond completely shielded construction. The double-tuned preselector has an image ratio better than 50 db . an if ( 80 mc ) rejection greater than 8 db , with an insertion loss of approximately 2 db at 890 mc . Cavi tuner preselector coupling is primarily magnetic and capacifance feed-thry is negligible. Mixing take place in a low noise diode, with an IF appearing af VHF channels 5 -6. It's an ideal unit for anyone exper menting with UHF frequencies, for building a UHF converter (it was the heart of the expensive Radio Recepter converter) for building UHF oscillators, as a funer or basic front end. Supplied complete with $6 A F 4,6827$ and $N$ N22. These three parts alone are worth the price. Size overall $31 / 2 H \times 4 \frac{1}{4} \mathrm{~W} \times 4 \frac{1}{8} \mathrm{D}$. TL-26
$\begin{array}{ll}\text { Sing } x_{0} \text { each } & 4.95\end{array}$
Lots of 3 each 4.45

## WESTINGHOUSE UHF "MATCHBOX" CONVERTERS

- WITH 6AF4 TUBE AND IN82 DIODE
- 5 UNITS COVER ALL CHANNELS For LESS than the price of the TUBEI Designed to plug Into many Westinghouse 41 me TV sets. the matchbox
converter consists of 2 lumped-constant preselection circuits, a 6AF4 local oscillator, INB2 crystal mixer. and tuned output. 5 units cover all channels 14.82 . Each unit marked for channel at which it is peaked, but may be varied by tuning wheel to cover ranges listed below. Tuning wheel operates tiny variable condenser, Power supplied by sef. In metal can $3^{\prime \prime x} \mid 5 / 3 " x$
$11 / 4 "$ (to base of tuba). Completo with 6AF4 fube and tube shield. Shpg. Wi. $1 / 2 \mathrm{lb}$. YOUR COST TS-196-covers channels $14-29$
TS-197-covers channels $28-43$ TS-197-covers channels $28-43$
TS-198-covers channels $43-56$ T5.199-covers channels 58.73 TS-192-covers channels $73-83$
1.7 Nr mpe
1.75 ca. otro of 3
singly... 1.98


## The Standard Cascode

 Tuner..;
## $\$ 13.75$

III LOTS OF 3 singly, each red-hot STANDARDCOIL CASCOOE
 TUNER deal! Lafayette made a bu
saving! Regular net price 24.50, but
Servicemen saving! Reguar net price Servicemen, now is the time to st.rts up and
In lots of ea. 14.25 .
save!

 code R.F. Ade Tuner can he used channels from 2 used for IHF work.


TYPE
XM-752
SOUND
TAKE-OFF COIL

 nel selectlon 6 BO .
with $6 J 6$ and
shog. 4 ibs.

WESTINGHOUSE H803 ALL CHANNEL UHF TV TUNER

Complete with 6J6
and INB2 Dlode
The Westinghouse All Channel UHF TV Tuner covers all UHF channels 14-82. Contains an oscillator and mixer circuit,
converts the UHF signal to IF converts the UHF signal to IF
frequency of TV set (center IF 44 mc ) to feed into a VHF tuner where desired to make a combind dial scale supplied to fit and dial scale supplied to fit thousands of Westinghouse sets for a custom installation but tuner itself may be used for general UHF applications, the basis of a UHF conver Basic funer including drum size $51 / 4 \mathrm{H} \times 61 / 2^{\prime \prime} \mathrm{L} \times 21 /{ }^{\prime \prime} \mathrm{w}$ sher W TL-27...

## tio puantity

6
In lots of 3 , each
Singly.
4.45
4.95
ipoq sarkes tarzian Latest TV: N VMF TUNER Latest To thous new now -overs enmpipevere With 2 Tubes
series. Haw in wise in many spectrum. It is ond I.F. seiel long concentric chassis includinn the serect ors each tubes and shields. Shop 40 mc IF systems. Excellent goin, noise 410 and 520 TL. 24 - In lots of Shpg. Wt. 4 lbs. Woms. Complete with factor, imag 520 Singly ofs each Worth 3 times the pricel wict end bing MA11OR Y $\quad \begin{array}{r}6.45 \\ \hline\end{array}$ 5.95

1.49
.singly, ea. $\begin{aligned} & 13.75 \\ & 13.25\end{aligned}$
above.
ose, uut
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## $T$

 1.49
## vhe inductur <br> 

FM. Providor noite frua or for VHF ond ing in $T V$ and $f M$. freo, continuous tun Tunos 52 to 216 Mc . El Elote ond boostern. bond switchemplug in climetter nood foo IV Kunomor buiteble or conitructionet as Origine l list $\$ 15$ or FM funner or boote. entood. 4 41,150 . Brand now or booster. $\pm 1$ ib. $41 / 16 \times 2 \times 21 / 2$ " overoill. Shpg. TL-22.

UHF ImDUCTUMER
fine Mollory 3 Ben UnE Tunes 470 tory 890 Mang UHF Inductune duefunor astures ocecurat Throo section in soric unit oto shiolding botwo no ise froo funDie unit lot tunor teonetwoen aicllons. now ind list price of $\$ 15.00$. $A$ boistor. TL-20.


Page 24
PRICES IN THIS CATALOG are subject to Change without notice

# HERE YOU ARE, SERYICEMTM, 

## TV TUBE <br> 'BRITENER' .79

in lots of 10
singly. 89 e - For magneflc tubet ond PARL
only

- Renews brightnese.

Steck No. MS-12
UNIVERSAL
YORE EXTENSION HANMESS


A storting new discovery in tools or soldering needed far installing this handy inexpensive lube rejuvenator. Yau simply aftach two plugs as directed on the instructions. Hsed in Chlliness

## OSy

 the tube harness and the tate servicina. Provides extension from voke and coll Assambly to chassis. For eny make or model using octal flag and sockets as axton sion. $\qquad$

UXIYERSAL TV \& CRT
EXTENSION CORD Permits fostryn of plictror
 Fits any duodecal baiod
tube.
5 tube. 5 col coior coded fomale bakelift soctions pisctroxtetic ar woll as magnotic tube iscil3

Slx-lead roke oxtonsion for
 TS.139..................ET T. 32 TS.138. Ton-lead NET 1.32 ts. 140 .
.NET 1.76
PHILCO TYPE HARNESS

ANODE EXTENSION
 For connecting plcture sot whi testing. $30^{\prime \prime}$ long. for glass tubes STOCK No. TS.46, Lots of 3, ©a...... 79 Simgly. ©0. ............ 8 same as abor motol tubes OEFLECTION ANO INTERCHASSIS EXTENSIONS

## $5 \rightarrow$ 不 <br>  <br> 5

# custom designed for pop thase 

| MAKE Emorson | TYPE <br> Deffection Ext |
| :---: | :---: |
| Emerson | Dof. Single Lesd |
| Emerson Dumont | Doflection Ext. |
| Dumont Dument Dumont Dumont | Tuner Conn <br> Hi-Volt To Chatal <br> Hi-Yole To Chassi |
| Dumont | Deflertion Ex |
| Philee Philles | Speaker Ext. AOC Pulse Con. |
| Phile Phile Phlieo 8ylvania gylvania | Deffertion Ert. <br> Deflertion Ext. <br> Interchassi: Exe <br> Doflecton Ext. <br> Doflection Ext. |

For TV picture tubes., Silver plafed snap button. $11 / 2^{\prime \prime}$ diamsupplied with $12^{\prime \prime}$ wire leads. STOCK No. TS-47.
Lots of 6, ©.
singly, ea.
.26

## 



LV TUBE BRIGHTENER
1.80 ea.
l. Lots of
singly
1.98

Qestores brightness to dim TV picture tubas. Operates on all irpas-mayneflic or electrostatic-and
TS-170-In lots of
Singly

## CHIMNEY MOUNTS



Can be orected in minutes: without special tools or drilling. - Adjustable, two-section
design permits unlimited spacing batwoon dosign permits unlimiled spacing botwoon
brackots for maximum support of masts $1 / 2$ to $11 / 2^{\prime 2}$ O.O.. Complete with two $12-\mathrm{H}$ lengths of $3 / 4$ " galvanized stoel bands anc hardware.
Lots of 3, Each.
Simgly. Each

##  <br> 



## ADJUSTABLE

18: WALL MOUNT Complefely constructed o steel, using extra heavy
gaug, steel fubing which will not bind. Protected against corrosion by the
ALCOTE finish. Special "sure grip" U.bols Special mast up to boits. Holds pod leg for one section. TS.88. Lots of 3. Each.............. 2.69


## ROOF MOUNT

## A heary gauge steel peak

 to resist. Heavily plated ccommodatemion. Will "1" in diamater Fully to iustable can be Fully ad. toted. Complete with all necessary hardware. Shpg. ${ }^{7 t}{ }^{5}{ }^{5} \mathrm{lbs}$. Stock No. TS.41.Lots at 6 , a. ...... 1.32

虫
ROOF MOUNT -Drop Lock Fecture This tmprored trodel carries the now droe-

 $1611 /{ }^{10}$
18.147.


## 3 $1 / 2^{\circ}$ WALL BRACEET TS.172

## STAINLESS STEEL STRAP KIT

 Replacoment kit. Consists of 212.4 ft . stainless steol straps, stainless steal seals, triangular eyobolts.lockwashers, hexnuts. puts an end to corrosion. stock No
1.34
.............................................. 1.49

## CHIMNEY and WALL MOUNTS

adjusts ble mounting bracyets to fit any chimney. Cam be Installed without
enole in 5 to 10 mlnutes . Over 80,000 pounds tensile otrength. Complete
.nET 1.41
with atrappins
( $\Delta$ ) Made of
Stoct MO TS.e2 1.2 - Sbpr. W. 1 1bs ...................... 3.30
 nill Hefrily phted stefir construction The will mount

$\underset{\substack{\text { poundith }}}{ }$
98 c

## (nime

## MOUNTING ACCESSORIES

## STOCK No. TS.50...........................NET . 09 ea.. 10 for .81 Lag bolfs i/a" diam

 STOCK Ne. TS. 51 ...................................NET 04 ea., 10 for .36 Star drill. $1 / 2^{\prime \prime}$ x ${ }^{\prime \prime \prime}$STOCK No. T 5.52

## UNIVERSAL EKY TY TESTING KIT

Makes possible testing sets with picture tube electrically connected in circuit, bu of contact with high voltage terminals and tube breakage. Consists of anode extension harness, yoke extension harness tube socket extension harness and sturdy plastic carrying case. CRT EXIENSION is for both ELECTROSTATIC and MAG. NET fubas. TS.141....
net 3.53


$$
\text { Net } 3.53
$$

HARLNESS EXTENSTON RITS


Similar to above but designed specifically for popular brand sats. Average Shpg. Wt. I Ib

PHILCO SERVICE KIT
Complete kit of harnesses to service any Philco TV set from 1949

## DUMONT SERVICE KIT

Contains 4 harnesses for high volfage ro Chassis, tuner and deflection extensions.
T5-173
EMERSON SERVICE KIT
Contains 5 units for deftecfion and anode extensions. Covers most models
most mod
TS-174.
 NEW ALLIANCE TENNA ROTORS


## REMOTE VOLUME CONTROL

## $\$ 438$

 Faster - Smoother - Betcer than ever: Redesigned and resty lid
 tantaneous atop. clamp plate. Full $360^{\circ}$ rotation. Finob antenna cated for life. Fully automatic! Juat set control knob. Indicator
 U-98 List $\$ 39.95 \ldots . .$. ................ MODEL T-10. Manusily oberated control panel................... 19.97
 T. MODELK-22 Economy model
 K. 22 LIRUST BEARIMA BRACKET, IDCR NET 2.91

Rotors up to 300 .

Per Foot 3c
MEW UNIVERSAL STANDOFF INSULATORS



## SCREW-EYE STANDOFF

Firn fat secure anchorink Th 10-316"...3c es. 10 for 25 e
 DRIVEIN STANDOFF


CLIP-ON' STANDOFF Attach to mast insantly "Click"


- Contral the Yolume of your T.Y. or Rodio from your chair. rheostat Not an on-off swbles you to set the control that en to your own taste. Coner level of volume to yousily to speaker neets Quicklike other devices that canleads. Unlike speaker. this control calws conner your set. The speaker is siways. in the circuit-you just adiust 20 ft . cable ume level. Compleng. Wh. I it. 38 MS-99


## WALL GRIPS

- Hollow Wall Screw

> Anchors

A quick nositise wall anchor. Rib.
 with less screndriver iorilue. Nal marry, T/a" sleeve. with $10-24$ scre" 12 c TS-207-Net............... 95 c
APTERS STANDOFF
ADAPTERS © fastened with ordinary rootink fastened with ordinary bent 10 nails, and upper hal
any angle. Holds uptand.
3 stand any angle. Hors. Assures latak
off insulators. proof installation. 55 TS.176—Pkg, of $10 \ldots . . . \begin{array}{r}.55 \\ 4.90\end{array}$

AMPHENOL UNIVERSAL ARRESTOR 40

(1)

5 Takes flat tubular or open wire lline. For UHF, Lowest measurable loss-only $1 / 2 \mathrm{db}$ at 825 MC . AMPHENOL 114-328..

## RCA ARRESTORS



## rCA LIOHTNING

 ARRESTERcelvers. Attaches to thetection deaigned for the whout cutcing or stripping. Eanily mounted on sny mant or plpe from $1 / /^{\prime \prime}$, to $2^{\prime \prime}$ diameter,
Shipping weight
de ounces. . 65 c RCA OUTDOOR IIOHTINO ARRESTER
 ins on wood. Weatherproof mand-
non corronive. Wil on cement or line impodance. Eusilj installed


NEW JFD LIGHTNING ARRESTOR WITH REPLACEABLE FUSES!
Contains an internal resishor network and tio replace-
abo fuset.
 porcelain consiruction--nlekel olated brass harduare T8-15-JFD Model

NET 2.79

## 5, GAP-Shunt type <br>  <br> TWIN LEAD LIGHTNING ARRESTOR

Highly efficient. U/L approved. Re quires no lead stripping. Size $17 / 8^{\circ \circ}$ $2^{\prime \prime} \times 3 / 4^{\prime \prime}$. Shpg. Wt. 6 oz. stock No. TS-11.
Lots of 10 .
Singly, eo.
$45 e^{e a}$

temowire arrester
 ening Wing nat complete tagtal
Lation. Iow-low polyotsene cum
 rs-59. Sinaly, ea. 88 e , lots of 6, ea. 79 e
PFD "LITLE GIANT" TWIN LEAD


Lohtwine AREISTER Tar Reveler of Oral Jambo

 or Findow and yaremion whill dal bict delectric. Nindour mill monntion ipoand ano deand travier
TS-Ef, Simply, eo. 73e, lots of 6, ea.66c


AT103. For tubular and oval Jumbo twin. Waterproof porcelain Lith ground wire and stainless $4^{\prime \prime}$ aluminum Stock No. TS-27, List $\$ 2.25$ NET 1.32


3 ways betterl Special compensating coils for relief lips-mounts on mast exclusive strain. sill. Discharges antenna and lead window Nickel-plated brass hardware never correde. ATHOS has stainless steel strap. TS-16-ATIl0 -for wall or
window sill...............NET . 88
TS.17-ATIIOS-for pipe mounting NET 1.03

[^1]YARIABLE VOLTAGE ADJUSTER

picture tues TEST POINT ADAPTER

Ideal for taking measurements of voltage. resistance and video from the base of the picture tube Just in
sert between CR tube base and sochet. All connections sen bet wen CR tube base and
readi: aceessible Saves time
MS-43
NET 94c

## HYTRON TEST-POINT ADAPTERS

Wish you could test a chassis to pside?
Without first pulling and wrostling with Without first pulling and wrosiling with
the heary chassis? Without disturbing wiring and parts by digging undernesth
for burind sockits? How much faster, oasiar, safor you could work! New CBS: Itytren Tast Adsplar dean the trict. Just poplace a tube with the Test Adspter. Plug tubo into Test Adapter. Presto, all socket connections are topsid. ... with.
in instant reach of your test prod just in instant reach of your rest prod. Just Test Adapter. Got yours tod ay!


NEW: HI-PO6S78
DOUBLE TRIODE
REPLACES GSNTGT
$\star$ BIGGER PICTURE

* MORE VIDEO GAIN
$\star$ MORE STABILITY

$$
\begin{aligned}
& \text { Makes picture bigger, more stable and increases gain in TV sets. } \\
& \text { Replaces } 65 N 7 G T \text {. Used as vertical osc., it increases he ght as dis. } \\
& \text { charge tube to drive horiz, amplifier, it increases width, as video out. } \\
& \text { put tube, it increases video gain. as sync-separator or frequency con- } \\
& \text { trol amplifier it improves stability and lock in characterist cs. Has } \\
& \text { longer life and retains output efficiency longer than standard } 65 \text { N7GT. } \\
& \text { HI-PO6\$78 } \\
& \text { Not } 210
\end{aligned}
$$

| OR <br> LINEARITY CONTROL <br> Replacement for thousands of Syl vania and other sets. For use as width or linearily control. Adjustable over wide range from 875 uh to 7.3 M.H. 5hpg. wi. 4 uss. $\text { TS-214-In lots of } 10 \text {, each } 25 e$ | WINDOW FEED-THRU <br> - NO DRILLING <br> At last a feed-thru that passes your TV signal without drifling, breaking or digging and without signal loss. Just use adhesive supplied to attach units one to each side of window pane and affach your wires. Quick, easy and elfectlve. <br> Shpg Wt. 6 oz. |
| :---: | :---: |
| -Singly, each 29 c | TS 155 per sot 58 |

# YOU CFNT BHAT WRAKHWHS LOW WHOLESALE PRICE 

COPPER SHIELDED TV POWER TRANSFORMERS STOCK UP NOW
(A)


Original Sylvanta o
 high roitage terminate at sockets. Used Vit 3 amps. ${ }^{2}$.
 TR-58-Lots of 3, each 4.50 Stagis, each. WITH 5U4 SOCKET (A2)

 hard to get type replacement was used in thousands of TV seta. Shps. Wt TR-59-Lots of 3, each. 4.50 Singly, aach.

 Tor general replacement. Shpg. WL. 15 ibs. TR-60-Lots of 3. each. 4.50 Sing (A-3)
Primary 117 VAC: Plate voltago 670 V.C.T, at 280 ma-tapped at 230 V-30
 TR-23..

## 300 MIL POWER (A-4)





## 250 MIL POWER (A-4)


 ShDE. Wt. 11 lus. TR-72-ln lots of 3, each. 4.50 Singly, each. 4.95 (A-4)

# Kou＇ll Talk About These Sofyette T．V．Values 

TALK ABOUT YOKES

is assortment of popular yokes at give－away pricest Most stock up on this assortment of pop of thousands of sets．Quantities limited popular replacement $70^{\circ}$ DIRECT DRIVE

## REPLACES RCA 74952

Mostpopular replacement yoke New Most popular replacement yoke，New －st Cosine trpe，Used in RCA，Emer son，Motorola，Capehart and other sets with olrect drive iyztem．Stact replacement for RCA 74Y52，Stancol OY－10，Merit MO．30＇leads and net mork Shpg W4．I Ib
T5－20
Net 2.95
－ $70^{\circ}-8 / 50$ MR
Cosine yole with horizontal induct ance of 8.5 MH and vertical induct－ ance of 50 MH．Replaces Y70F0日 DY．8A，Merit MOF－7， or Chicago TY－2．Complete With leads and nefwork．Shpg．Wi．Ib． 2.25 TS．181．

## $-70^{\circ}-30 / 50 \mathrm{MH}$

Cosine yoke with horizontal induct Cosine yoke 30 MH and vertical induct ance of 50 MH ．Replaces Stancor OY12A，Merit MDF－71，Ram 70F25 or Chicago TYB or TYQ．Complete with leads and network．Shpg．Wt．I Ib TS－19

Cosine yake with horizontal induct－ ance of 10 MH and vertical induct－ ance of 50 MH ，Replaces Stancor DY7A，Merit MDF－70，Ram Y70F10 or Chicago TY5．Complete with ledas T5－190－Lots of 12，ea 1.69 T5－190－Lots of 12，ea． 1.69 $\begin{array}{ll}\text { Singly，a．} & 1.95 \\ & 2.15\end{array}$
$70^{\circ}$ DUMONT YOKE Dumont Part Y2A3， $70^{\circ}$ cosine yoke with horizontal inductance of 10 MH and vertical inductance of 50 MH ． heads and network．Shpg W W．I Ib TS 19 19－Lots of 6 ，ed． 1.59 $\begin{array}{cr}\text { TS．191－Lots of } 6, \text { ed．} & 1.75 \\ \text { Singly，ed．} & \end{array}$
$53^{\circ}-8 / 50 \mathrm{MH}$
Popular replacement for thousands 10 and 12 inch sets．Horizontal in ductance 8 MH ，vertical inductance Y7010日．Replaces Complete with or Chicago Twork Shpg Wt． 1 lb.
TS－184

## COPPER SHIELDED

 TV POWER XFRS quantities limited HUSKY BRUTES at half price
## PHILCO

 POWER XFR rectifier 5 volts af 6 amp fil $\# 1$－ 6.7 valts at $10 \mathrm{amp}^{2}$ Fil \＃2－6．4
volt at 1.6 amp ．Exact replacement volt at 1.6 amp．Exac $\uparrow$ replacement lbs． TR－47

## TELETONE POWER XFR

Plate voltage 600 V．C．T．at 200 mil rectifier 5 volt at 3 amp，Fil \＃l－ 6.3 volt at 8 amp，fil \＃2－6． 3 volt at 3 amp．Exact replacement Tele tone part TTR－193D．Shpg．Wt．I Ibs．
TR． 50
4.95 TR 48. 13 lbs.
7R． 49

## GENERAL ELECTRIC POWER XFR

Plafe voltage 534 V．C．T．af 320 mils ， rectifier 5 volts at 6 amp，Filament 6.3 volt． 5 amp）amp．（use for two G．E part K129J27 Shpg Wf 14 lb
6.95

## CAPEHART POWER XFR

Plate voltage 600 V．C．T．at 310 mil rectifier 5 volt at 6 amp，Fil \＃l－ 6.3 volts at 7 amp ，Fil \＃2－ 2.3 volts at 4.5 amp ．Exach replacement Capehart $750395 \mathrm{~B}-3$ ．Shpg．W W ．
5.95

## PM FOCUS COIL

 With Nylon Focusing rod and centering deviceHara＇s a real alue in a powertul PM focus built in lever fle nylon focusing shaft and Triangular 3 hole mounting centering device． place majority of P．M focus coils．Will re． fity limited．Shpo．Wi．focus coils．Quan－ TS－202． 1.75 1.98

DUMONT FLYBACKS


These genuine Dumont parts will replace not only the original Dumont flybacks，but can be used in thousands of other sets．Shipg．Wt． 2 lbs

DUMONT NO． 20004061 （Fig．A）
Used in Model RA106．Delliers 12－14KV，Original circuit rs． 185

Lots of 3．ea． 1.75
Slngly，ea．
OUMONT NO． 20006261 （Flg．B）
Used in Sodel RAIl7．Dellvers $10-12 \mathrm{KV}$ ．Original rircult used $6 \mathrm{BQB}, 1 \times 2$ and 6 W4． TS－187．


Philco part 32－8509（also replaces 32－8462） Used in thu usands of philco sets using
 W． 2 lbs．
Wh． 2 lbs．
TS－200．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 2.45
Lots of 3, ea． 2.25


Used in Model RAIO3C．Delivers 8－10KV．Original circult Cised in Model RAlo3C．Delive
used BIGGC，ivfa and lB3GT． TS． 188.
$\begin{array}{ll}\text { Lots of } 3, \text { ea．} & 1.50 \\ \text { Singly，pa．．} & 1.69\end{array}$
TV CHOKES：QUANTITIES LIMITED
STOCK UP WHILE THEY LAST


| Ind． | Curr． | DC Res |
| :---: | :---: | :---: |
| 4.5 | 50 | 125 |
| 1.5 | 140 150 | $\begin{array}{r}76 \\ \hline 6\end{array}$ |
| 2.0 | 200 | 34 |
| 1.5 | 250 | 60 |
| 1.4 | 250 <br> 290 <br> 100 | 67 60 |
| 1.15 | 370 | 41 |


| Exact Replacement Mfr．\＆Part No． | Stock No． | Singly | Lots of 3 Eoch |
| :---: | :---: | :---: | :---: |
| ARVIN C23087－1 | TR－28 | 49 | 39 |
| TELETONE TTRI781D | TR－29 | ． 59 | 49 |
| Philco 32－8479 | TR－51 | 65 | 59 |
| CAPEHART 650587CI | TR－30 | ． 89 | 79 |
| CAFEHART 650215A3 | TR． 31 | ． 79 | 69 |
| DUMONT 21005213 | TR－32 | ． 98 | ． 88 |
| FADA 42.60 | TR－33 | ． 79 | ． 69 |
| Westinghouse vi2170－ | TR－S2 | 79 | 69 |
| Philco 32－8514 | TR－53 | 1.10 | 98 |



### 2.25

lots of 3，ed． singly each 2.50

## 14 KV FLYBACK

EXACT REPLACEMENT
FOR ADMIRAL SETS Exact duplicate of Admiral part
$79 \mathrm{C} 36-1$ used in Chassis 20 T 保 79C36－1 used in Chassis 20TI and
20VI．Delivers 14 KV in 20V1．Delivers 14 KV in typical
$14^{\prime \prime}$ circuits employing 6806 GT ， IB3GT and 6 W 4 GT ．Shpg．Wt． 2 lbs．
TS．210－Lots of 3 ，each．．．．．．． 1.75
Singly，each
1.98

470 OHM FOCUS COIL Focus coil $470 \mathrm{hmm}_{1} 140 \mathrm{mil}$
replaces RCA 202D2，Stancor FCII etc． $43 / 4$＂did．$\times 1 / 6^{\prime \prime}{ }^{3}$ mounting brackets．Quantity limited．Shpg．Wt． 4 lbs． TS－204．．．．Lots of 3，ea． 89 c
Singly，ea． 98 c

## $90^{\circ}$ FLYBACK AND YOKE KIT

## PRSOSORTO A LARGER SET

Here＇s a handy package to convert small size sets to use the the new $90^{\circ}$ tubes of any size up to 27 ．For set employing ${ }^{68 G 6}$（or ${ }^{68 Q 6}$ ）， 183 GT plete instructions．Shpg．Wt 5 com T5－194 ．．．．．．．．．．．．．．．．．．．．．．．．．．．Net 8.25

## $90^{\circ}$ Yokes

Yoke only for replacement purposes． Shpg．wf． 2 lbs．
TS－195

## MAGNAVOX FLYBACK

－Delivers 19．20 KV MAGNAVOX Part No．D360552．1 used in model CT－358，and 107 series and similar sets with $90^{\circ}$ picture tubes in eircuits using the typical $\triangle C D 6$ IB3GT and a pair of $6 A \times 4$ tubes．Has built in width control．Replaces RAM X093．Shog，wt 2 lbs TS－193．lots of 3 ，ed．net 2.25 singly each 2.50 PAGE 29

## SERVICEMEN: $川$ TV REPLAGEMENT PARTS

 Wide-range variable-inductance
coils to provide conveniont con-
竍 tral of picture width or linearity. Ferrite core with screwdriver ddlisiameter.

|  | Rang* <br> (Approz.) |
| :---: | :---: |
| Width/Linearity | 4.27 Mh |
| Winoarity | ${ }_{\text {1.3. }}^{1.31 .5} \mathrm{Mh}$ |
| Wioth |  |


1.44 FILAMENT RESISTOR KIT
Aeplaces filament resistor in over 70 General TS-146.................................NET EA. 1.44

2 MEG. 2 WATT $1 \%$ M.F. RESISTOR Popular ${ }^{\text {pep }}$
all TV sets. TS.145......
...,NET EA. $35 c$

6000 VOLT TV IY.PASS CONDENSERS Top Brand Make -600 V . single. ©o. isc, 6000V. shate. ee. 15c,

## GEE-LAR TV KNOBS

 Tarzion, RCA and others. Front Duol Control Knob (Fig. A), Plated gold
finish inlay. Uid with rear tnob lios and oither $1202-$ Fits $1 / 4$ knurl shaft NETEA. 26 c 1203-Fits $1 / 4$ " flottod shoft NET EA. 29e 1204-Fits. 202" flattod shoft NET EA. 29c Roor Duol Control Knob (Fig. 11 . For standard
 Combinatlon Duol Knob (Fig. Cl. Dummy type:
 1206...........................................NET EA. 44c Duol Tumer Bor Knob (Fig. D), Front knoh for
controls dnd tunars. $2^{\prime \prime}$ longth. Uso with 1208. Fits $1 / 4{ }^{4}$ flattod shoft.
Fing.
 controls and funers. 1.5/32- O.D. Fits ${ }^{3}$ "rest 1208...............................................et EA. lbe Clomnel Indicater Plote (Fig. F). Gold num-
bers, walnut finish. Malches knobs listed above. bers, walnut finish. Matches knobs listed above.
Fits ${ }^{\text {min }}$ diameter rear flattod shalt. 1204.............................................ET EA. 44c vc. 13

|  <br>  |
| :---: |
|  |
| 500 MMF STOCK NO. <br> $20 \mathrm{K.V}$. $\mathrm{C}-600$ <br> 1 ond 49 C <br> threaded,  <br> 1 end  <br> tapped in lots of 5  <br> tingly oe. 56 c $\left[\begin{array}{cc}500 \mathrm{MMF} & \text { STOCK NO. } \\ 30 \mathrm{K.V} . & \mathrm{C} .605 \\ \text { Both } & 69 \mathrm{C} \\ \text { onds } \\ \text { throaded } & \text { eo. in lots of } 5 \\ & \text { singly ea. } 79 \mathrm{c}\end{array}\right.$ |
|  |
| 8 and 12 WATT TV OUTPUTS <br> quantities limited <br> BK6 OUTPUT <br> 8 watts. Primary 9000 ohms. Secondary 3.2 ohrm. Mig. Centers $2 \%$. Shpg. Wi. $1 / 2$ ib TR. 43 GVb OUTPUT <br> ${ }^{8}$ whatts. Primary 3500 ohms. Secondary 3.2 ohms. Mtg. Centers $27 / 1$ Shigg. Wf. $1 / 2 \mathrm{lb}$. <br> TR-44. |
| 12 watt output <br> 12 waths. Primary 6500 ohms. Secondary 3.2 ohms. Mtg. Centers 218 Shpg. Wt. I lb. <br> TR 45. <br> ene |



## PHILCO 6V6 OUTPUT

 tity limited.
TR-54
bors of 3, each 45 c
PHILCO 6.3 Volt 10 Amp. FILAMENT TRANSFORMER
A heary dupy shielded filament transformer.
 TR.56

Lots of 3 , each 1.79
Singly, each
1.95

## ISOLATION TRANSFORMER



Isolation transiormer 6.3 to 6.3 volts. Use for
damper tube and picture tuba circuits in $7 . \mathrm{V}$ sett, or in ham ond experimental work to iso lete. iifilamont from rest of circ TR. 37 ..

4 WATT wire wound FOCUS CONTROL


Aoplacomont 'se majority of TV
iftic watt 1503 ohm with knurled VC-12
L..... asch, 75 c 2 watt focus control Rated 2 wath 1500 ohm, s.0.
........ each, 19e
Lols of 5,0 ., 15 c


# Fenture UHI Converter 

at a Giereaunay Price! The New Look in UHF $5(45$ EAch
singly, each
A high performance converte-plus a lamp-or planter-or aquarium! No need to "hide" this converterbit adds to TV set appearance Tunes entire UHF Spectrum from 14 to 83 by means of heavily silver plated circular resonant tuner element. Tuning knob may be rotated continuously in aither direction-no skipping or distortion of alignment. Tuner feeds into any of the 12 VHF channels-not confined to 5 and 6 as the J.F. 1 Exceptional stability -tunable grid circuit-high signal to noise ratio-simplified trouble free èircuitry. Heavy gauge metal cabinet provides screening-reduces radiation. Fully ventilated-aliminates coupling between receiver and converter.
Shpg. Wi. 12 lbs . Single ed... 9.95 Net. lots of $3 \quad 9.45$
Fen-Tone C. IMITED QUANTITY CET YOURS NOW

PLUG-IN LINE VOLTAGE TESTER


- JUST PLUG AND READ!
- $90^{\circ}$ SWIVEL


Accurate Voltage Tester gives instan. taneous readings right at the receptacle -no wires, no assembly. Just plugs $70^{\circ}$ swivel al the priongs for easy read. ing from any position. Accuracy $5 \%$. Steel case. Damped movement. Shpg. EMICO PLV METER

## ELECTRONIC

## FLASH KIT

- BUILO YOUR OWN PHOTOGRAPHIC "STROBE"
- ELECTRONIC FLASH .TUBE
- Watt-sccond output is 60 ML. 65

GIVES THOUSANDS OF FLASHES
fash duration $1 / 1000$ secone
You can now own a portable electronic flash unit at low cosi. No more fussing with replacemant of photoflosh bulbs-the olactronic flashtube can be flashed thousands of times under normal use. The hit is complete with the flash-gun, the electronic Photoflash tube, case. special Photo-flash capacitor and all necessary party and hardware. 12 page instryction manual with easy to tollow large drawings. Anyone can built it. Case size $7 \times 51 / 8 \times 2 \frac{3}{4}$ carry the batteries. Shpg. Wt. 6 lbs. (less batteries which are not supplied).

## SET OF BATEERES FOR ABOVE.... M. 12



ROLLER-SMITH METER $0-1$
D.C. MIL. 4.50
-HERMETICALLY SEALED A vibration proof, shock proof. weather proof, hermetically sealed meter made to government specs. Has 2\% accurate D'Arsonval movement. In metal case, flange size $2.11 / 6^{\prime \prime}$, body diameter $21 / 4^{\prime \prime}$ With removable flange and mounting hardware. Shpg. Wt. 11/2 lbs. Stock No. DS. 10 Net 4.50


TRIPLETT METER DUAL SCALE 0-200 DC MICROAMPS 8 to +6 DB 4.50
*HERMETICALLY SEALED Triplett panel meter with 0.200 DC microamp and -8 to +6 DB meter scales. Knife edge pointer. Hermetically sealed in metal case. Flange size 2-11/16" O.D. Body $2^{\prime \prime}$. With removable flange, rubber gasket and mounting hardware.
DS. 11 Not 4.50


Less than $1 / 2$ the regular Price. Made to government specs, this laboratory instru. government specs, has a D'Arnsonval movement on $31 / 2^{\prime \prime}$ long mirrored scale. Knife edg pointer. Accuracy $2 \%$. Built in shunt. In pointer. Accuracy $2 \%$. Buifle shunt. in sulated laads and clips, plus hinged steel case $5^{1 / 2^{\prime \prime}} \mathrm{W} \times 6^{\prime \prime \prime 4^{\prime \prime}} \mathrm{L} \times 2^{1 / 2^{\prime \prime}} \mathrm{H}$. Shpg. Wt. 6 lbs. Quantity limited.
SP-74..

FAN TYPE
0-15 AMP
DC METER
5.95

## mULTIPLE CERAMICS

 $\square$ COMPLETE- SECTION ASSEMBLY Contains .002 MFD, 005 MFD and tho 220 MMF conds. All rated of 500 WVDC, 1000 VDC tost. Long loads. Size $\left.\right|^{\prime \prime} \geq 1 / 2^{\prime \prime}$. 5 for 85 c stock NO. DS.13.... 196 3 SECTION ASSEMBLY Contains .005 MFD, 0035 MFD ond 220 MMF conds. All rored 500 WVOC, 1000 VDC tost. Long Leods. Size $1 " \times 1 / 2^{\prime \prime}$. 5 for 65 c
STOCK NO. OS. 14 each 15 c


## AC BATTTERY SWITCH

Ideal for portable 3 way $\quad 0$ sets or similar applications. $\quad 0$
Removal of AC plug dis. connects batferies. Size 0 友
$1.9 / 16^{\prime \prime} \times 11 / \mathbf{1}^{\prime \prime}$. Mig. ctrs. $11 / 4^{\circ \prime}$. $1 / 8$. Mig. crs. DS.30—Lols of 10, 02. 150
SURFACE

| Normally open. Pressure on nietal |
| :--- |
| cover closes circuit. Bakelite body |
| Screw terms, I" diam. |
| M5.88 | Lots of 10 ea. 10 C

PANEL LIGHT ASSEMBLY WITH DIMMER


Bahalite fully enolosed. Amber lens. Rotary dimmer controls brightness. For min, bay base bulbs as 47 . 51 , etc. extend $11 / \mathbf{a}^{\prime \prime}$ behind. MS. 87

Lots of 10 , ea. 15 c
singly ea. 19e

TUBE SHIELDS

Opon top oluminum
Opon top oluminum
shiolds. Typo A for GT shiolds. Type A for GT
type tubes. Type 8 for 9 - type tubos. Type 8


(HMDD.27-1TypeB1\} 10 for $25 t$

[^2] QUANTITY LIMITED!
Top quality meters made to exacting government JAN. specs, $31 / z^{2}$ round flush type bakelife case Brand new, individually boxed. Shpg. Wł. 1 lb.
Not 4.50


CRL LEVER SWITCH positive action. Silver plated soring brass clips and contacts, other metal parts cadmium plated. With black knob. Shpg. Wh. 3 oz. SP 86
QUANTITY LIMITED
singly each - 29

## SUPER LOOP




Your old picture tube "DUD" is worth money. Many types are returnable for an allowance as shown in the chart below. Please note that the tube must be free from mechanical defects such
as broken, scorred or punctured gloss ond must be of the exact type number. Thus a 12LP4 is not acceptable for a 12LP4A. Tubes must be rełurned prepaid.

| $\begin{aligned} & \text { Type } \\ & \text { No. } \end{aligned}$ | Price | $\begin{aligned} & \text { Not } \\ & \text { with } \\ & \text { Dud } \end{aligned}$ | $\begin{aligned} & \text { Not } \\ & \text { who } \\ & \text { Dud } \end{aligned}$ | $\begin{aligned} & \text { Type } \\ & \text { No. } \end{aligned}$ | $\begin{gathered} \text { List } \\ \text { Price } \end{gathered}$ | Net with Dus | $\begin{aligned} & \text { Net } \\ & \text { w/o } \\ & \text { Dud } \end{aligned}$ | Trpe | $\begin{gathered} \text { List } \\ \text { Price } \end{gathered}$ | $\begin{gathered} \text { Not } \\ \text { with } \\ \text { Dud } \end{gathered}$ | $\begin{gathered} \text { Not } \\ \text { w/o } \\ \text { Dud } \end{gathered}$ | $\begin{aligned} & \text { Type } \\ & \text { No. } \end{aligned}$ | $\underset{0}{\text { List }}$ | Net <br> with <br> Dud | Net <br> w/o <br> Dud |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{3 \mathrm{EPP}} 4$ | 25.50 |  | 19.05 | 16KP4A | 36.75 | 23.65 | 26.90 | $20 \mathrm{CP4} 4$ | 39.00 | 23.20 | 27.70 | $21 F P 4 C$ | 50.50 | 28.50 | 33.00 |
| 5TP4 | 78.25 |  | 58.65 | 16X/RP4 | 32.00 | 19.65 | 22.90 | 20CP4A | 39.00 | 23.20 | 27.70 | ${ }_{21 K P 4 A}$ | 54.75 | 36.50 | 41.00 |
| 7DP4 | 30.75 |  | 29.75 | 16LP4A | 42.50 | ${ }_{26.60}$ | ${ }_{29.95}^{29.90}$ | $20 \mathrm{CP48}$ | 48.00 | 27.20 | 31.70 | ${ }_{21 \mathrm{MP4}}$ | 48.75 | ${ }_{33.25}$ | 35.85 |
| 71P4 | 27.75 |  | 20.80 | 16RP4 | 32.00 | 19.65 | 22.90 | $20 \mathrm{CP4D}$ | 46.00 | 27.20 | 31.70 | ${ }_{21}{ }^{21} \mathrm{WP}^{\text {P }}$ | 39.00 | 23.20 | ${ }_{27.70}$ |
| 8AP4A | 27.75 |  | 19.40 | 18RP/EP4 | 32.00 | 19.65 | 22.90 | 20DP4 | 40.00 | 23.20 | 27.70 | 21 WP4A | 47.00 | 27.20 | 31.70 |
| 108P4A | 19.25 | 11.45 | 13.45 | 16 TP4 | 32.00 | 19.65 | 22.90 | 20DP4A | 40.00 | 23.20 | 27.70 | ${ }_{21 \times P 4}$ | 40.75 | 24.50 | 29.00 |
| ${ }_{10 \mathrm{HPA}}^{10 \mathrm{P}}$ | 25.40 | 15.45 | 17.45 | 16WP4A | 41.50 | 26.60 | 29.85 | 20DP4B | 46.00 | 27.20 | 31.70 | ${ }_{21 \times 1 \times 4}$ | 48.50 | 28.50 | 33.00 |
| 10 MPLA | 25.50 |  | 19.25 | 162P4 | 41.50 | 26.60 | 29.85 | ${ }_{2}^{2018 P 4 C}$ | 46.00 | 27.20 | 31.70 | $21 Y$ P4 | 40.75 | 24.50 | 29.00 |
| $12 \mathrm{EP4A}$ | 29.75 | 18.00 | 20.50 | 17AP4 | 31.25 | 20.25 | 23.50 | ${ }^{20 H P 4} 4$ | 47.50 | 28.55 | 33.05 | 21YP4A | 46.00 | 28.50 | 33.00 |
| 12LP4A | 24.25 | 14.00 | 16.50 | 17ATP4 | 34.00 34.00 | 22.25 | 25.50 25 | 20HP4D | 47.50 | 28.55 | 33.05 | ${ }_{21784}$ | 39.00 | 23.20 | 27.70 |
| $120 \mathrm{P4A}$ | placed | y typo | B1034 | 17AVP4A | 39.00 | 25.00 | 28.25 | $20 \mathrm{jP4}$ | 44.75 | 29.00 | 33.50 | ${ }_{212 \mathrm{PP} 4 \mathrm{~B}}^{212 \mathrm{P}}$ | 39.00 44.25 | 23.20 27.20 | 27.70 31.70 |
| ${ }^{\text {B1034 }}$ | 33.50 | 23.25 | ${ }^{25.25}$ | 178P4A | 32.00 | 19.65 | 22.90 | $20 \mathrm{MP4}$ | 57.75 | 38.75 | 43.25 | 24AP4 | 120.00 |  | 90.00 |
| ${ }_{12 \mathrm{UP4B}}$ | ${ }_{42}{ }_{4}^{42.75}$ | 30.00 | 32.00 32.00 | 17BP4B | 37.50 | 23.65 | 26.90 | 21ACP4/MP4 | 41.50 | 23.20 | 27.70 | 24BP4 | 120.00 |  | 90.00 |
| 12 VPLA | 30.50 | 20.25 | 22.75 | ${ }^{17 \mathrm{CP} 4}$ | 40.00 | 26.50 | 29.00 |  | 43.00 | 24.50 | 21.70 | $24 \mathrm{CP4}$ | 69.25 |  | 52.00 |
| 14BP4 | 26.75 | 16.65 | 18.65 | 17FPP4 | 37.25 44.75 | ${ }_{30}^{22.80}$ | 26.05 32.50 | ${ }_{21 / 1 / L P 4 A}$ | 46.00 | 28.50 | ${ }_{33.00}$ | ${ }^{24}$ CP4A | 65.50 |  | 49.25 |
| $14 \mathrm{CP4}$ | 26.75 | 16.65 | 18.65 | ${ }_{17 \mathrm{HP} / 4 \mathrm{RP4}}$ | 44.75 34.00 | ${ }_{21.00}$ | 24.25 | 21AMP4A | 44.25 | 27.20 | 31.70 | 24DP4A | 68.25 |  | 551.25 |
| 14EP4/14CP4 | 26.75 | 16.65 | 18.65 | 17HP4B | 39.00 | 25.00 | 28.25 | ${ }^{21} 1$ AP4 | 47.00 | 31.85 | 34.35 | ${ }_{24 \mathrm{UP4} 4}$ | 75.50 |  |  |
| 1 14P4 | 27.75 | 18.65 | 20.65 | 17]P4 | 34.00 | 21.00 | 24.25 | 21ARP4 | 52.40 | 32.15 | 36.65 | ${ }_{24 Y P 4}$ | 71.10 |  | 56.50 53.40 |
| 15DP4A | Replaced | by type | B1014 | 17KP4 | 35.75 | 23.50 | 24.75 | ${ }_{21 A R P 4 A}$ | 58.70 | 36.55 | 41.05 | ${ }_{27 \text { 24P4 }}$ | 133.50 |  | 53.40 102.00 |
| B1014 | 37.75 | 26.25 | 28.25 | 17LP4/VP4 | 34.00 | 21.00 | 24.25 | 21 ATP4 | 46.00 | 28.50 | 33.00 | 27EP4 | 110.00 |  | ${ }_{82.50}$ |
| ${ }_{\text {16APAA }}$ | 44.75 | 30.00 | 32.50 | 17LP4A | 39.00 | 25.00 | 28.25 | 21AUP4A | 46.00 | 28.50 | 33.00 | ${ }_{27 \mathrm{GP} 4}$ | 112.00 |  | ${ }_{84.00}^{82.50}$ |
| 16DP4A | 44.75 | 29.00 | 32.25 40.00 | 17QP4 | 32.00 | 19.65 | 22.90 | 21AUP4A/VP4A | 46.00 | 28.50 | 33.00 | 27MP4 | 152.50 |  | 114.40 |
| ${ }_{16 E P 4 B}$ | 53.00 |  | 40.00 40.00 | 17RP4/HP4 | 34.00 | 21.00 | 24.25 | 21AVP4A | 46.00 | ${ }_{27}^{28.50}$ | 33.00 | 27NP4 | 112.00 |  | 84.00 |
| $16 F 94$ | 35.75 | 24.25 | 26.75 | 17 PP4 ${ }^{17}$ | 40.00 | 27.50 | 30.00 | ${ }_{21 E P 4}$ | 49.20 | 23.20 | ${ }_{27.70}$ | 27RP4 | 110.00 |  | 82.50 |
| 16GP4 | 44.75 | 30.00 | 32.50 |  | ${ }_{3} 34.00$ |  |  | 21EP4A | 39.00 | 23.20 | 27.70 |  | OR Tu | EC |  |
| $16 \mathrm{GP4B}$ | 44.75 | 30.00 | 32.50 | 19AP4A | 48.75 | 33.35 | 35.85 | ${ }^{21 E P 4 B}$ | 44.25 | 27.20 | 31.70 | 15GP22 |  |  | 235.00 |
| ${ }_{\text {16KP4 }}$ | 41.50 32.00 | 19.65 | 31.00 22.90 | 19AP4B | 48.75 | 33.35 | 35.85 | ${ }_{215 P 4}^{21 F P 4}$ | 40.75 40.75 | $\begin{aligned} & 24.50 \\ & 24.50 \end{aligned}$ | 29.00 | ${ }_{21 \times X P 22}$ | 175.00 |  | 145.00 |



|  | PRICE | TYPE | PRICE |
| :--- | ---: | :--- | ---: |
| IN34 | .75 | IN82A | 1.00 |
| IN34A | .75 | IN 105 | 50 |


| IN34 | .75 | 1N82A | 1.00 |
| :--- | ---: | :--- | ---: |
| IN34A | .75 | 1N105 | .50 |
| IN60 | .50 | IN109 | .50 |
| 1N64 | .50 | 1N132 | .50 |
| IN72 | 100 | IN172 | 1.05 |

## MICROWAVE CRYSTAL DIODES

CRYSTAL DIODES
small, lightweight and heaterless. Gerpower rectification from DC to over 200 The and as detectors in FM receivers. certain microwave instruments such as power indicators and test probes. They also have nunierous radar and indus.
trial uses. Cathode terminal is indicated on body of diode.

| TYPE | ppics | Expe | Price |
| :---: | :---: | :---: | :---: |
| 1N35 | 2.20 | 1N65 | . 65 |
| 1N38 | 1.80 | 1 N67 | 1.65 |
| 1N3日A | 2.10 | 1N69 | . 80 |
| 1N39 | 3.95 | 1 N70 | 1.45 |
| 1N39A | 4.70 | 1N71 | 7.20 |
| IN40 | 12.25 | 1N77A | 36.75 |
| 1N41 | 11.50 | 1N81 | 1.95 |
| 1N42 | 17.25 | 1N111 | 1.30 |
| 1N54 | 1.10 | 1N112 | 1.05 |
| 1 N54A | 1.50 | 1N113 | 1.65 |
| 1 N55 | 2.20 | 1N114 | 1.05 |
| 1N55A | 4.30 | 1N115 | . 95 |
| 1N56 | 1.05 | 1N119 | 2.10 |
| IN56A | 1.10 | 1N120 | 1.75 |
| 1N58 | 1.30 | 1N134 | 2.10 |
| IN58A | 1.45 | 1N193 | 3.90 |
| 1N59 | 4.30 | IN194 | 4.30 |
| 1N59A | 5.05 | 1N195 | 4.85 |
| 1 N63 | 2.50 | 1N196 | 5.30 |

TRANSISTORS

JUNCTION P-N-P TRANSISTORS


## TV - RADIO TUBL SALF

FULLY GUARANTEED FOR ONE YEAR


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Current Production! An extremely fortunate purchase - bought from overstocked set manufacturers, enables Lafayette to sell these tubes way below Jobbers cost. ALL BRAND NEW AND FULLY GUARANTEED, individually boxed in cardboard fillers. ORDER BY STOCK NUMBERS.

| Stock No. | Type | List | Sale <br> Price | Stock No. | Type | List | Sale <br> Price |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TU-10 | 024 | 1.40 | . 63 | TU-200 | 6 J 6 | 2.35 | . 89 |
| TU-15 | IA7GT | 2.50 | . 79 | TU-206 | 6K6GT | 1.65 | . 63 |
| TU-20 | IB3GT | 2.50 | . 94 | TU-210 | 6L6G | 3.10 | . 90 |
| TU-30 | IH5GT | 2.00 | 83 | TU-215 | 6 S 4 | 1.75 | . 62 |
| TU-40 | IN5GT | 2.45 |  | TU-220 | 6SA7GT | 2.15 | . 64 |
| TU-70 | IR5 | 2.25 | . 74 | TU-225 | 6SC7 | 2.15 | . 79 |
| TU-72 | IS5 | 1.90 | . 65 | TU-230 | 6SG7 | 2.30 | . 72 |
| TU-74 | IT4 | 2.15 | . 74 | TU-235 | 6SK7GT | 2.00 | . 64 |
| TU-76 | IU4 | 2.10 | . 63 | TU-240 | 6SL7GT | 2.45 | . 84 |
| TU-78 | IU5 | 1.85 | . 74 | TU-250 | 6SN7GT | 2.15 | . 74 |
| TU-80 | IX2A | 2.50 | . 94 | TU-252 | 6SQ7GT | 1.75 | . 63 |
| TU-85 | 3Q5GT | 2.80 | . 80 | TU-254 | 6 T8 | 2.90 | . 94 |
| TU-90 | 3S4 | 2.15 | . 74 | TU-260 | 6U8 | 2.85 | . 94 |
| TU-95 | 3 V 4 | 2.15 | . 80 | TU-269 | 6V6GT | 1.85 | . 72 |
| TU-104 | 5U4G | 1.70 | . 63 | TU-270 | 6W4GT | 1.75 | . 64 |
| TU-110 | 5V4G | 2.55 | . 89 | TU-272 | 6W6GT | 2.25 | . 84 |
| TU-117 | 5Y3GT | 1.25 | . 44 | TU-274 | 6X4 | 1.40 | . 49 |
| TU-120 | 6AB4 | 1.70 | . 55 | TU-276 | 6X5GT | 1.40 | . 49 |
| TU-123 | 6AC7 | 3.10 | . 99 | TU-278 | 6 X 8 | 2.75 | . 94 |
| TU-125 | 6AF4 | 3.45 | . 94 | TU-280 | 12AT6 | 1.50 | . 54 |
| TU-129 | 6AG5 | 2.05 | . 74 | TU-459 | 12AT7 | 2.60 | . 94 |
| TU-130 | 6AG7 | 3.50 | 1.09 | TU-282 | 12AU6 | 1.70 | . 54 |
| TU-461 | 6AK5 | 4.20 | 1.29 | TU-460 | 12AU7 | 2.20 | . 74 |
| TU-134 | 6AL5 | 1.55 | . 65 | TU-284 | 12AV6 | 1.45 | . 54 |
| TU-136 | 6AQ5 | 1.85 | . 74 | TU-286 | 12AV7 | 3.05 | 1.09 |
| TU-138 | 6AT6 | 1.50 | . 54 | TU-320 | 12AX7 | 2.30 | . 83 |
| TU-140 | 6AU4GT | 2.75 | . 87 | TU-336 | 12BA6 | 1.00 | . 64 |
| TU-144 | 6AU6 | 1.70 | . 54 | TU-340 | 12BE6 | 1.90 | . 64 |
| TU-147 | 6AV6 | 1.50 | . 54 | TU-350 | 12 BH 7 | 2.55 | . 84 |
| TU-150 | 6AX4GT | 2.35 | . 84 | TU-352 | 12BY7 | 2.65 | . 84 |
| TU-155 | 6BA6 | 1.80 | . 62 | TU-356 | 12SA7GT | 2.15 | . 74 |
| TU-156 | 6BC5 | 2.00 | . 63 | TU-366 | 12SE7GT | 2.00 | . 64 |
| TU-157 | 6BE6 | 1.90 | . 64 | TU-368 | 12SN7GT | 2.15 | . 74 |
| TU-164 | 6BG6G | 5.20 | 1.50 | TU-370 | 12SQ7GT | 1.75 | . 64 |
| TU-166 | 6BH6 | 2.15 | . 84 | TU-380 | 19BG6G | 6.00 | 1.95 |
| TU-168 | 6BJ6 | 1.95 | . 79 | TU-390 | 25BQ6GT | 3.65 | . 94 |
| TU-170 | 6BK7A | 2.90 | . 94 | TU-394 | 2516GT | 1.90 | . 64 |
| TU-172 | 6BN6 | 2.70 | . 99 | TU-397 | 35 CS | 1.90 | . 74 |
| TU-457 | 6BQ6GT | 3.50 | 1.08 | TU-398 | 35L6GT | 1.90 | . 74 |
| TU-158 | 6BQ7A | 3.25 | 1.19 | TU-399 | 35W4 | 1.25 | . 46 |
| TU-174 | 68Z7 | 3.40 | 1.19 | TU-435 | 3525 GT | 1.30 | . 46 |
| TU-159 | ${ }_{6} \mathrm{C} 4$ | 1.50 | . 54 | TU-410 | 50B5 | 1.90 | . 74 |
| TU-458 | 6CB6 | 2.00 | . 74 | TU-420 | $50 \mathrm{C5}$ | 1.90 | . 56 |
| TU-175 | 6CD6G |  | 1.75 | TU-456 | 50L6GT | 1.90 | . 64 |

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ALL-AMERICAN KIT MINIATURE KIT

Consists of one each types<br>Consists of one each type 12SK7GT, 12SA7GT, 12SQ7GT

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2.95 Stock No. TU. 1001

## Stock No. TU-1000

$\qquad$ REGEIVING TUBE SALE FAMOUS BRANDS FULLY GUARANTEED

paeE 4

# CONDENSERS 

## 




TUBULAR ELECTROLY ( porfoct lubular electrolytics madis prices like these hase never beonbrand new, portoch (nadvartised brand). prices we have agreed with the mains like equallod before. pectish the name. Order tacturer not to
these overy

## - SNu Nattubse

## GREAT SAVINGSon

 CERAMICON DISCS $65 \%$ FMOUS BRAND 100 V.D.C.NORESENO 100 V.D.C.NORESENO Up now. Arallable in following
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MASTER CERAMICON KIT with PLASTIC HINGED BOX! an outstandimg value:

## MASTER SERVICE KIT

## 175 PIECE KIT

- 100 RMA Color Coded Insulated Resistors
- 25 CERAMICOMS
with STEEL MULTIOrawers
- 25 MICAS
 The Kit contalns Cabinet, beautifulty finlshed In hamineric Molded Condenser Kit with
 acteristics.
guan capk What you get

| CAPAC. | VOLT8 | LISH |
| :---: | :---: | :---: |
| EACH |  |  |

100 Condensers Worth

$\$ 31.50$
(1) $275 \%$ 035 On TOP BRAKD MAKE MOLDED BY-PASS CONDENSERS Lafayette is here Again wolded Plas Outstanding Value in Molded Brand tie By-Pass Condens. At these prices Now and Top Make. A so get yours 600 VOLT MOLDED BY-PASS

| 600 |  |  | $\begin{aligned} & \text { of } \\ & 10 \end{aligned}$ | $\begin{gathered} \text { Singly. } \\ \text { ea. } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| Steck | Mfd. | Valts | $10$ |  |
| No. |  | 600 | . 59 | 7 |
| MP-107 | .004 | 600 | . 59 | 7 c |
| MP.108 | . 006 | 600 | . 69 | 8 c |
| MP.109 | . 03 | 600 600 | . 69 | 8 |
| MP-111 | 04 |  |  |  |

600 YOLT MOLDED BY.PASS


400 VDLT MOLDED BY.PASS CDNDENSERS

Lots Slagly.
Lots siegly. stock eep. Volt. 10 . 3toek Cap. Volt. 30 ec. Mo. Cep. 400 sec ec
 Mp-102 ble 7 mp-106.0 36

|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| d |  | 80.40 $80-100$ $20-20-20$ $100-80-200$ $100-80-200$ $200-140-30$ $10-30.10$ 10.10 .10 10.100 .20 10.200 .140 .30 $10.20-10.10$ 10.40.10.10 |  |  |
| ALUMINUM CAN ELECTROLYTICS |  |  |  |  |
|  |  |  |  |  |
| Sale! FAMOUS MAKE MOLDED PLASTIC BY-PASS CONDENSERS |  |  |  |  |
| .005 MFD <br> 6030 VDC <br> Durchase of high poltage Moided Plastic Byaw, Fresh stock, st o price you can't beat6000 VOLT |  |  |  |  |
|  |  |  |  |  |



The handleat Kit for the serice Shop or Exporinenter. coded resistors consisuling of 4 . 1 and 2 Wati resilarar: ${ }^{25}$ arsorted tubuler by-paps mideneers, of the most popular dite ind tubuiar. All popular captecties and roltages; and
 condeniers. Wibb 4 Mula Motal Drawori. ALL AT A PRICE forth many Limes our solling Price of
forsol hafanotte's money Beck Guarante.

Lhicolle made an unusual Durchirse of hirb portage Moided Plastic By stock wo. CAPACITY 6000 VOLT

## PACE 76

# lafayette MIRACLE VALUES! 

A Fabulous Buy!

## GREATEST CONDENSER VALUE


$1 \cap$ MOLDED PLASTIC BYPASS MOLDED PLASTIc
CONDENSER KIT

## FAMOUS MAKE!

## Quantity Limited

$\dagger$
Guaranteed Minimum Regular Value $\$ 29.50$

Here is a Kit of. 100 Paper ByPass Condensers which we have sold in the thousands. Yous simply copular values for without this kit. Consists of the to 1600 Volts. The handiRadio and T.V. Sets. Voltages up to ibenter. A LOAD OF est Kit for the service shop or Experimenter. A the Famous VALUE FOR THE MONEY And ret think this kit reproLafayette Guarantee- If you day return if for full cash sent
refund K1-30-Special


## CASH IN ON THESE BARGAINS!

TOGGLE SWITCH
 Special!

Approved type with nickelplated metal parts. Fast action receivers, Atc. Underwriters Approved. Volt Rock
Amp.
$\begin{array}{ll}\text { TYPE No. } & \text { TYPe } \\ \text { SW. } 10 & \text { SYST }\end{array}$
$\begin{array}{ll}\text { SW. } 10 & \text { SYST } \\ \text { SW. } 11 & \text { SPOT }\end{array}$
$\begin{array}{ll}\text { SW. } W \text { SP ST } \\ \text { SW.12 } & \text { DP ST } \\ 5 W .13 & \text { PDT }\end{array}$

## Big Sawing

MICA KIT $50^{\circ}$ CONDENSERS
99.
in lots of 3
A kit of the most popular mica capacitors for servicemen. Contains 50 popular sizes. A handy assortment for any service shop or experimenter.
stock No. KI-10, single, each

## Brand in

 c UARANTEED! raytheon hearing aid tubes QUANTITIES LIMITED

## SMALL,

## POWERFUL

ANTENNA wish

## Screw Adjustment?

A revolutionary antenna development. H.O iron core coll with short antenna lead. Completely antennas. An extremely small, yet very powerful antennas. An extremely small, yet vary powerful sensitivity and signal-fo-noise rato considerably in portable receivers, With new micrometer adjustmont for maximum pasking efficiency and precise tracking on entire broadcast band. One hale snapStock No. MS 11 , single, each ......... 39c


## MOLDED PLASTIC BUFFER KIT



## Gamone Make MOLDED PLASTIC KIT

 By-Pass Condensers KIT of [5U ASSORTED with PLASTIC BOX
## TRADE STARTLED AT Iafayetes S PiCES!

UNIVERSAL 6 and 12 V. VIBRATORS
3 TYPES REPLACE $90 \%$ OF ALL SETS
16 YOLT-A PRONG

MS-14-In lots of 100, each...
in lots of 10 , each
singly, ooch.... 12 YOLT- 3 risong
Replaces Buick OIds Pontioc, ond $G$. M. part 1220155 ,
Mallory G874, CD6330 and Vokar 312. Shpe. 1.39
MS-127-In lots of 100, each.
Singly, oach.
12 VOLI- - PBONG
12 Otola 488522000 Philco and Mopar 83 Replacas Motorola Mallory $G-859$, Vokar 4124 . Shpg. Wt. $1 / 2$ 1.29 0025-1, Mallory of 100, each. MS-128-In lots of 10 , each.
in lots
singly, each................................. BUDGET PRICE
NOW!--A ROTATOR AT A But is ongineorrd with outstanding Hore is a rotaror but without any fancy doo-dad to adith qualitst. Woather seated antenna sots $3^{\prime \prime}$ into drive unit. to cost. Wost support-a dimenction with instant braking Full $370^{\circ}$ rotation ccuracy. Direct gear difetime oilite bronze side for plapoint occuracers. Lifetime ou wire supports and thrust bearing. rustproor pasy installation. . $\times 3 \%$.
 RMS R-55 Rotator ACCESSORIES
Thrust bearing for above
RMS $\mathrm{TB-2}$ RMS TB-2 WR-49. WR.a
IUMBO UHF-VHFLIGHTNING ARRESTOR - TAKES TWIN, TUBULAR AND OPEN LINE LESS THAN LOBEER COST



5207A-I watt
10\% tolerance
Net 7c each lots of $10 . \ldots . . .60 \mathrm{c}$ c lots of $10 \ldots . . .1 .10$ lots of $100 . \ldots . .5 .50$ lots of $100 . . .10 .00$


Here is your chance to get absoluteIf FREE a Transparent Plastic Utility
 tors FREE with purchase of resissorted resistors.


## 455 KC UNIVERSAL I.F. TRANSFORMER

 While thoy last-Lafayotte mode a buy on brond new, first quality 455 KC - I.F. trensformers, excellent for replacement in most sots. Aluminum shiold $11 / 4^{\prime \prime} \times 1 / 4^{\prime \prime} \times 21 / 2^{\prime \prime}$ high -Top brand mato-Trimmer adjustment top of can. MS. 17Nof 290 0at In lots of $10-2.50$

## TV TUBE CHECKER




Saddle mounted bakelite sockel for ${ }^{7}$,
miniature tubes. Mounsing centers $11 / s^{\prime \prime}$ SP-91-Each.. 100 fo

LONG SHAFT CONTROL

## WITH SWITCH

- CheckS all tV tu8es
- checks picture tubes


### 3.95

- continuity checken
- checks elec. appliances

Gives Im mediate posilive check of burned out
filament on all loctal, octal and miniature cubes,
oontinutity iost on picturo oubas. Also checks
ances, motors, olc, Wion ind.cator, ilakelitio stes, cemplofo with Tert Londe:
VSULITE 1016.

# PHONS TIP 



## TV. COIL KIT

 10 PIECESKit of 10 assorted TV coils. Contains both can typos 1.F.s width coils, otc. shag. Wt. 1 lb. GIANT KIT As abc
KI L 42.

## POWER RESISTOR KIT

 20 PIECESKit of 20 high wattage resistors. Assorted vipreous enamel and cement coated types from 5 to 25 watts. Shpg. Wt. | lb. KI -43.

Nat 1.49

## PLUG AND JACK



Single prong shielded plug used extensively for mike or phone pickup, other connections. Phono pack mounts in rear of panel through $K^{\prime \prime}$
tween center

## TRIMMER KIT

( $x^{2}$ 会
$-x^{2}$ 国

25 assorted ceramic and low loss trimmers and padders. Shpg. Wt. I lb. KI -46.

79e

## DUCO CEMENT

Excellent for repairing speaker
cones, cementing grille cloths, etc. MS- 88 Lots of 12

## 50 PIECE T.V. KNOB KIT

EL -13

19 c

AC LINE CORD - M. AC Uso cords and


##  <br> 



75 c
att of 20 assorted metal clad resistors. Var WA slices, wattage and ohmages. Shag KI 44.

## CANDOHM KIT

## 20 PIECES




Kit of 3 variable condensers. All are superhet. All are 2 or 3 gang. Ideal for schools, builders and experimenters. Quantity limited. Shpg. Wt. 3 lbs.
K1-37


100 ASSORTED UNINSULATED RESISTORS MA COLOR CODED Wide assortment of $1 / 2,1$ and 2 watt re. sisters commonly used in millions of radio and electronic devices. Here is a prize
assortment of good usable resistors that will delight the economy buyer.
STOCK NO. KI-17..................NET 98e


SOLDER LUG STRIPS Handy assortment of 48 solder lug ter-
minal strips with $s$ of each type from 1 minal strips with
through 6 lugs. STOCK NO. KI-18................NET 1.35


KIT OF 10 ROTARY SWITCHES A fine assortment of rotary switchos-for the set builders, amateurs and expertmentors. Ideal for many circuit arrangewants.
STOCK NO. K1.19..................NET 99e


KIT OF 15 VOLUME CONTROLS 15 assorted single and dual radio and TV controls. A bargain that will pay for ltsTOCK NO. KI
STOCK NO. KI-21................NET 2.95


PILOT LIGHT SOCKET KIT 30 miniature bayonet base pilot light types. Many already wired for immediate installation.
STOCK NO. KI. 20.
NET 79C

## - a great value

- LESS THAN AF EACH

Just a few of these knobs are worth more than the price of the entire kill Selection contains 50 assorted TV knobs including such typos as channel selector, fine tuning, volump, etc. Useful and attractive. Many with gold lettering or gold inserts. Shag. Wt.
3 lbs . KI-45.

## rigor Kit

 shh. No. KI -12 More's a real burt Every one popularafely you would pay anywhere from 12 c to inc per knob. All colors. Plastic, wood and bakelite knobs.
COMPETE KIT OF 50.
99 SOCKET KIT


## KIT OF 20

A highly usable kip of popular typlue. selected to give you a fine pg. wt. 2 lbs
KI-48.
.Not $85 c$

## SYLVANIA SEE-WELL TOOL KIT



This famous Sylvania tool kit is yours now while they last-at a fraction of their
Contains a high-powered government tested and approved flashlight with a stainless ${ }^{5}$, Contains a high-powered government tested and approved flashlight with a stainless ${ }^{3}$ Fin
case and specially designed head to hold any of the other interchangeable tools. Fin case and specially designed had to hold any of the other interchangeable toils. Firn driver are both made of tempered steel solidly imbedded in Lucite. Both are magnetic so you wont lose the screw and can pick up small parts that drop. The alignment tool has a
 are designed to transmit the light from the flashlight hand so you can see your work. 2 lbs.
SP-76.

## , <br> SQUARE TELECHRON TIMER SWITCH

A genuine Tolechron mechanism. Complete 24 hour movement. Can be set to turnon radio or other similar electrical appliance at
any preset time. Gold finish face plate with hours and quarter plate with hours and quarter no mounting hardware, knobs or no mounting hardware, knobs or
clock bezel. Size $3 \%$ square. Shpg. Wt. 3 lbs.
MS -97
2.49

Not 2.95

## TELECHRON <br> ФUANTTY LIMITED

 Wt. 3 lbs.MS-101...


## TELECHRON TIMER SWITCH <br> 

## Genuine Telechron mechanism.

 Complete 24 hour movement. Can Complete 24 hour movement. Canbe sot to turn on radio or other
similar electrical appliance at similar electrical appliance at any preset time. Dark face plate quarter hour. Mechanism only, no mounting hardware, knobs or clack bezel. Diameter $3 / 2^{\prime \prime}$. Shpg.
|



RCA and BURGESS PORTABLE BATTERIES


PORTABLE "A" AND "G" COMBINATION PACKS

| Aurgas | rca | Volts | Inches | wi | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TryPa | Typ* |  |  | Lbs |  |
| $26^{4} 42$ | 4505 | $11 / 2 / 103$ |  | ? | 2.60 3.40 |
| 176060 67460 |  | 11/3/90 |  | 22 | 6.71 |
| -67660 | V55064 | 11/7/90 | $\cdots$ | 31/4 | ${ }^{4.168}$ |
| F4Aso |  | d/75 | 9, $1,12+123 \%$ | 5 | ${ }_{4.18}$ |
| rszso | vsoso | 6. $71 / 275$ | ${ }_{8,1533}$ | 4 | 3.85 |
|  | v 50 |  |  | ; |  |
|  |  | 7/1/:9990 |  | ? | $4.13{ }^{4}$ |
| T6260 | - 5053 | 7/1/2. $1 / 90$ | 边 | ! | 4.38 |
| 66860 | V5047 | $9 / 90$ | 13 29\%/32x2-27/324441 | 814 | 4.65 |
| F6Abop | vsosb | 9190 |  | ¢ | 4.38 |



NEW! RCA TRANSISTOR BATTERIES Make Your Voltage Supply
You can cut these apart to get from 1.4 to 21 volts, Each battery has 15 separable 1.4 volt crown type cellis in a plastic sleeve with each cell indicated by ridges. Ideal
for experiments. Use VS087 for current drains up to 2 mils; VS088 for up to 10 mils.
TYPE VOLTS SIZE SHPG. WT. NET $\begin{array}{llllll}\text { VS087 } & 21 & 3.7 / 8 \times 17 / 320 & 1 & \text { oz. } & 1.52 \\ \text { VS088 } & 21 & 3-7 / 16 \times 15 / 160 & 6 \text { oz. } & 2.06\end{array}$

## terrific wire sale!



## TRY TO MATCH THESE PRICES ON HIGH QUALITY HOOK UP WIRE!

STOCK UP NOW!
100 Ft. Coils
WR-41.
........................Net 39c

## HOOK-UP WIRE KITS

## 150 Ft. Kift

Plastic bag of 6 differently colored 25 ft . coils of top grade hook wire. Kl-38.

500 Ft. Kit
Kit of 5-100 ft. coils assorted colsulations. Best quality, a $\$ \$$ value. Kl-39. $\qquad$

PORTABLE "A" BATPERIES

SERVICEMAN'S HARDWARE


Don't confuse this kit with the typical pile of unusable iunk
found in most hardware kits. Over 600 pieces of selected found in most hardware kits. Over 600 pieces of selected hardware used every day including large asst. of screws of every type. Packed in a handsome hinged plastic case $4 \frac{1}{4} \times 31 / 2 \times 1$ ". Shpg. Wt. 1/
$\mathrm{KI}-40$


Bes. quality 2 conductor zip cord. Ideal for lamp
TYPE POT - PLASTIC INSULATION WR-35-100 ft. تoil

Net 1.79 WR-47-250 ft.

TYPE POSJ - RUBBER INSULATION WR.34-100 ft. coil

Net 2.15
WR. 48 - 250 fi. coil
Net 4.75


5 LB. WIRE KIT
This is value that can't be matehed! Over 1,000 rett
of wirel Cut lenkt the up to 3 ft. long! Highest quality hookup wire in slandad sizes. Many colors and vari${ }_{85 \%}$ of of jour bookup wire needs!
${ }_{\mathrm{K}}^{\mathrm{K} 1.22}-35 — 21 / 2 \mathrm{lb}$. Wire Kit

## 3 anc 4 हUTroutron INUSTEO



Excellent for speaker or intercom ex tension wire. WR-42-25 1t. coil

3-conductor. . .29e
In lots of 3 colls
WR.43-25 $\mathbf{1 1}$. coil
4-conductor 39c

In lots of 3 coils. . .99c
$3.18 / 2$ 3.w. Centh
Suitable for Vacuum Cleaners Ma-
tors or where heavy duty
tors or where heavy duty rubber
cable is required.
WR-44- 50 it.
WR-45-100 ft. coll.
1.47

2-Conductor Twisted Excellent intercom or speaker axtension wire. Fith plastic in sulation.
Stock No. WR-12
100 ft . coil
il ......
Stock No
.1 .19
250 f.
.2 .50
3-Conductor Twisted
Stock No. WR-14
100 ft. coll......
.1 .50
Stock No. WR-15
3.50

250 ft .
$\square$
3-Conductor Twisted with Plastic Sheath similar to above with overall plastic sheath.
Stock No. WR-16 100 ft.
tock No. WR-17 stock No
250 ft.

COAXTAE CAETK
72 ohm. No 22, cop-
per stranded.
For


WILLARD TYPE N.T EACH 2.39 EACH 2.39 stendard low co3t D.375 in usoctrolyte

 Polystyrene encased 2 volt rechargeabie storage battery
rated at 20 Ampere hours. Use 3 rated at 20 Ampere hours. Use 3 in series to got 6 volts. Shippes dry. Uses electrolyte available anywhere. Size $5^{1 / 22^{\prime}} \mathrm{H} \times 4^{\prime \prime} \mathrm{W}$
$\mathrm{X} 3^{\prime \prime} \mathrm{L}$. Shpg. W +.4 lbs .-List 22 L . 2 . 2 Hos

## Trgonne TRAISISTOR TRALSFORMERS

## 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 LeadsHave 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 $\$ 6.00$ to $\$ 12.00$ for them? The Argonne line brings you a wide variety her experimentation as well as for replacement. Efficiently designed to meet the needs of miniaturization and engineered to provide more power handling capacity and improved frequency response with minimum disAverage net weight $11 / 4$ oz; average shipping $w t .4$ ozs.


ANY TYPE 475 Lats of 10 Assoried 2.95 singlo, aach

| ARGONNE NUMBER | TYPE | IMPEDANCE |  | UNBALANCED  D.C. RESISTANCE <br> CURRENT PRI. SEC. <br> PRI. OHMS OHMS |  |  | OVERALL SIZE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | PRIMARY OHMS | $\begin{gathered} \text { SECOND- } \\ \text { ARY } \\ \text { OHMS } \end{gathered}$ |  |  |  |  |
| $\begin{aligned} & \text { AR-100 } \\ & \text { AR-101 } \\ & \text { AR-102 } \end{aligned}$ | Input <br> Input <br> Input | $\begin{aligned} & 200,000 \\ & 100,000 \\ & 100,000 \end{aligned}$ | $\begin{aligned} & 1.000 \mathrm{CT} \\ & 3.000 \mathrm{CT} \\ & 1.500 \mathrm{CT} \end{aligned}$ | $\begin{aligned} & .0 \\ & .5 \\ & .5 \end{aligned}$ | $\begin{aligned} & 3600 \\ & 3600 \\ & 3600 \end{aligned}$ | $\begin{aligned} & 90 \\ & 60 \\ & 40 \end{aligned}$ |  |
| $\begin{aligned} & \text { AR-103 } \\ & \text { AR-104 } \\ & \text { AR-105 } \end{aligned}$ | Driver <br> Driver <br> Driver | $\begin{aligned} & 20,000 \\ & 20,000 \\ & 20,000 \end{aligned}$ | $\begin{aligned} & 2.000 \mathrm{CT} \\ & 1.000 \\ & 400 \end{aligned}$ | $1.0$ | $\begin{aligned} & 400 \\ & 400 \\ & 600 \end{aligned}$ | $\begin{aligned} & 50 \\ & 50 \\ & 30 \end{aligned}$ |  |
| $\begin{aligned} & \text { AR-106 } \\ & \text { AR-107 } \end{aligned}$ AR-108 | $\begin{aligned} & \text { Driver } \\ & \text { Driver } \\ & \text { Driver } \end{aligned}$ | $\begin{aligned} & 16,000 \\ & 15,000 \\ & 10,000 \end{aligned}$ | $\begin{aligned} & 4,000 \\ & 200 \\ & 3,000 \mathrm{CT} \end{aligned}$ | $\begin{aligned} & 1.5 \\ & 1.5 \end{aligned}$ | $\begin{aligned} & 620 \\ & 1000 \\ & 200 \end{aligned}$ | $\begin{aligned} & \begin{array}{l} 350 \\ 20 \\ 100 \end{array} \end{aligned}$ |  |
| AR-109 AR-110 AR-111 | Driver Output Output | $\begin{aligned} & 10.000 \\ & 10,000 \\ & 5,000 \end{aligned}$ | $\begin{aligned} & 2,000 \mathrm{CT} \\ & 25 \\ & 100 \\ & \hline \end{aligned}$ | $\begin{aligned} & 2^{.0} \\ & 1 . \\ & \hline \end{aligned}$ | $\begin{aligned} & 500 \\ & 600 \\ & 600 \end{aligned}$ | $\begin{aligned} & 50 \\ & 2.5 \\ & 10 \\ & \hline \end{aligned}$ |  |
| $\begin{aligned} & \text { AR-1112 } \\ & \text { AR-113* } \\ & \text { AR-114 } \end{aligned}$ | Output <br> Driver <br> Output | $\begin{aligned} & 3,500 \\ & 3,000 \mathrm{CT} \\ & 2,500 \end{aligned}$ | $\begin{aligned} & 200 \\ & 1,000 \\ & 11 \end{aligned}$ | $\begin{array}{r} 1 . \\ 9 . \\ 10 \\ \hline \end{array}$ | $\begin{aligned} & 120 \\ & 100 \\ & 50 \end{aligned}$ | $\begin{aligned} & 25 \\ & 60 \\ & .1 \end{aligned}$ |  |
| $\begin{aligned} & A R-115 \\ & A R-116 \\ & A R-117 \\ & \hline \end{aligned}$ | Input Output Output | $\begin{aligned} & 2,000 \mathrm{CT} \\ & 2,00 \mathrm{CT} \\ & 500 \mathrm{CT} \end{aligned}$ | $\begin{aligned} & 8.000 \mathrm{CT} \\ & 200 \\ & 30 \end{aligned}$ | $\begin{array}{r} .0 \\ 4.0 \end{array}$ | $\begin{aligned} & 150 \\ & 120 \\ & 20 \end{aligned}$ | $\begin{aligned} & 660 \\ & 20 \\ & 1.5 \end{aligned}$ |  |
| RR-118 AR-119 AR-120 | Output Output Output | $\begin{aligned} & 500 \mathrm{CT} \\ & 500 \mathrm{CT} \\ & 400 \mathrm{CT} \end{aligned}$ | $\begin{aligned} & 16 \\ & 3.2 \\ & 11 \end{aligned}$ | $\begin{aligned} & .0 \\ & .0 \\ & 1 . \end{aligned}$ | $\begin{aligned} & 20 \\ & 20 \\ & 20 \end{aligned}$ | $\begin{aligned} & 1.5 \\ & .3 \\ & \hline \end{aligned}$ |  |
| AR-121* AR-122* AR-123 | Output Output Input | $\begin{aligned} & 300 \mathrm{CT} \\ & 250 \mathrm{CT} \\ & 200 \end{aligned}$ | $\begin{aligned} & 3.2 \\ & 3.2 \\ & 2,000 \mathrm{CT} \end{aligned}$ | $\begin{array}{r} .0 \\ .0 \\ 2 . \end{array}$ | $\begin{aligned} & 20 \\ & 11 \\ & 11 \\ & \hline \end{aligned}$ | $\begin{aligned} & .25 \\ & .3 \\ & .30 \\ & \hline \end{aligned}$ |  |
| $\begin{aligned} & \text { RR-124 } \\ & \text { AR-125 } \end{aligned}$ | Output Input | ${ }_{3}^{200 ~ C T}$ | $\begin{aligned} & 16 \\ & 4,000 \end{aligned}$ | $\begin{aligned} & .0 \\ & .0 \end{aligned}$ | $\begin{gathered} 20 \\ 14 \end{gathered}$ | $\begin{aligned} & 1.3 \\ & 50 \end{aligned}$ | $\begin{aligned} & 3 / 4, x^{5 / 8} 8^{\prime \prime} x^{5 / 8}{ }^{\prime \prime}, \\ & 3 / 4^{\prime} \times 5 / 8^{\prime \prime} x^{5 / 8 / 8} \end{aligned}$ |

## INTERMATIC TIME-ALL 7.97

- THE AUTOMATIC TIMER WITH THE MIRACLE MEMORY

Makes practically everything alectrical complotely automatic. Will handie losd up to 1650 watts. Turns radio on and off-doas not and off-controls roaster, ilectric blanket dir conditioner, washing machine, coffoe makers, vaporizers, otc. 30 min , minimum on time- 23 hours marimum. As easy to set as on oloctric clock. Stands on any surface-can be hung on wall. Easy-to-read 24 hour "day and night" dial. Operates day after day without attontion. Can be conirolled manually without automatic roset. Plug in receptacle for equipment to be controlled. For 110 volt 60 cycle ${ }_{\text {AC }} \mathrm{Cluded}$ only. Complote with ${ }^{\prime \prime} \mathrm{Ft}$. cord and plug. Instructions in Eluded. $5^{\prime \prime} \times 4^{\prime \prime} \times x^{2 / 2} "$ Shpg. WI. 2 lbs
MS-41.
Net 7.97

## INTERMATIC CLOCK TIMER

$\qquad$ Not only tells time, but turns appliances both on and off automatically for periods of 15 minutes to $51 / 2$ hours. Cooks dinner while you're away, wakes you to music, controls electric fans, heaters, radios, TV sets, etc. No installation problem-iust plug it $43 / 4^{\prime \prime} \mathrm{w}$ se 41 " Hapacity 1650 waths. Plaskon case $43 / 4^{\prime \prime} W^{4} / z^{\prime \prime} H \times 21 / 4^{\prime \prime}$ D. ${ }^{6} \mathrm{H}$. cord. For 110 V 60 cycle AC. Guaranteed for 1 year. Shpg. Wt. 3 lbs. Price includes excise tax
MS-104.

- Net 9.67


## TIME SWITCHES FOR <br> WALL BOX INSTALLATION

A dependable and versatile time switch to autolights window lights, heating units atc. at any presef time. Has special HOLD feature: furn of a knob cuts out timing mechanism and allows unit to be used as a regular toggle switch. Capacity 20 amps, 125 volts AC. Satin-chrome dial $41 / 2^{\prime \prime} \mathrm{Hx} 3^{\prime \prime} \mathrm{W}$; 20 amps 125 volts $A C$. Satin-chrome dial $41 / 2^{\prime \prime} \mathrm{Hx}{ }^{\circ} \mathrm{W}$; switeh $21 / 2$ Hxik4 $W \times 1 / 4$ D. Fits any standard rec-MS-135-time range up to $\mid$ hour

Net 4.46
MS-136-Time range up to 12 hours
Not 5.21

7.12

## INDUSTRIAL TIMER SWITCH

 - 4000 WATT CAPACITYTurns equipment "on" and "off" once in 24 hours, or from one to twelve "on" and "off" operations a day can be obtained by use of extra trippars. Exir on or off time 1 hr .-max. on or off time 23 hours. Can be turned on or off manually with resei SPST switch rated at 35 amps. Has convenient mounting holes and knockouts. Large numberi-sasy to read-agy to set. Gray steel caso with knockoutshinged door-can be locked or sealed. UL approved. Oparater on 110 volt 60 cyele AC only Size $71 / 4^{\prime \prime}$ i
MS-82
N.1 7.12

## INTERMATIC "SKIPPER" TIME SWITCHES

## - SKIPS OPERATIONS ON SELECTED DAYS



## - 4000 WATT CAPACITY

An ingenious time switch that not only automatically turns equipment on or off but will skip operations on any selected days. Ideal where offices or factories re closed on Saturdays, Sundays or Holidays. Turns "on and off" once very 24 hours with single set of trippers sutions $c$, be had by adding oxtr rippers listed below supplied with kipping serews: more can be added Also has I cutout tripper which ad Also has day dial automatically sid action contacts rated at 35 amps at 125 olts. Min. on or off time 1 hour maxi mum 23 . on or off fime hour, maxiShpg. wh. 4 lbs. For $110-120 \mathrm{~V}$. 60 cycle AC operation. MS. 130 - type TS66SP—S. P. S. T.-Skips "ON" Operation

Net 11.02

## ACCESSORIES

EXTRA TRIPPERS - Set of on-off trippers to add more operations. MS-83-per set............................................................
MS-133
CUT-OUT TRIPPER-For "Skipper" types only.
CUT-OU
MS-134
Net .03
Not. 20

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## GRYSTAL EAR PHONE

Small, almost weightless, plastic ear phone with crystal lement, that features high power and impedance unit for all applications where abery in the ear. Complate 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-talking highly directional crystal microphone. Just screw oft the ear-insen all sorts of experiments and gadgets. MS-111.


TYPE 2 N107
P-N-P

## ACTUAL SIZE


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M8.108 Addtional plug-In estphone to allow 2 people to Alaten. ms. 107


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| 31.94 | CK512AX | 1.47 | Sp-102 |  |  |
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o dynamic, ear phone with the youse and comiort of of
of any comparable unit-at a price less than half that
sensifivity of ©E dh. Ide. Fits right into ear. Excollorit
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MS-72.
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WOW IMPEDANCE MODEL FOR SILENT LISTENING OR YIEWING Connection to speaker on any radio set or TY for silent OR YIEWING MS. 700 .

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Junctiun P-N-P. Mex. ratings: collector rolt.-20 volts; col current
-5 ms ; col diss $=30 \mathrm{mw}$; emlter cur. 5 ma . Ideal for oscllator,


$\mathrm{SP}-92-\ln$ 10tats of 10 , each

Junction P-N.P. 8ize, case and ratings same as above, Average
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## SUB-MIN ATURE 455 KC I.F.



FOR TRANSISTOR CIRCUITS
ONLY $1 / 2^{\prime} \mathrm{W} \times 3 / 4^{\prime \prime} \mathrm{H}$ !
SLUG TUNED-IRON CORE
This tiny I. F. Is the same one used in the tranalistorized bets of tho lead ling manufacturers. It'e Ideal for the
expen inenter in building and designing miniature expoitinenter An building and de isining miniature


## TELEX MINIATURE PHONE PLUG AND JACK 1/Ithe stze of prefious small plugs and jecke, yet  TELEX NO. $9210-\mathrm{PLUG}$ TELEX NO. 8570-JACK (Closed Clicult). TELEX NO. 9240-JACK (ODen Clirult).

## MINIATURE AUDIO OUTPUT TRANSFORMER

- Weighs less than $10 z$
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- Only $7 / 8^{\circ} H \times 3 / 4^{\circ "} W \times 5 / 9^{\prime \prime} D$ Here's a high quality miniature output transformer that is ideal for use in hearing aids, and in a host of electronic applications where miniature electronic circuitry is used. Primary impedance is 30,000 ohms to match such tubes as CK506AX, CK524AX, etc. Low impedance secondary. Shpg. Wi. 2 TR-46-In lots of 10 . each. 39 c


## SUN BATTERY



SUBMINIATURE 455 KC I.F.


89c

## 

 serite in ath the really small setis and bottom or suas tuned from sets ture sets as well as bullding miniteONLY ture sets $1 / 2^{\prime \prime} S Q$ $\qquad$ | In fots |
| :---: |
| Singly, | of 10 . eath. 79

### 1.95 MINIATURE CRYSTAL MICROPHONE

## Here's a typical Lafayette special for the exper

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## MINIATURE

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VOLUME
CONTROL 1/4" DIAMETER
Only *" Dismetor, overall depth approsi* matoly ${ }^{4 "}$ including threaded shaft. Ideal
for miolature radio, hemring alds, et VC.18-Bange $0-500,000$ audlo taper. . 39c VC.18-Range 0 to 1 Meg. IInoar taper 39 c VC-20-Range 0 to 3 Meg , sudio taper 39 C In Lote of $10-\$ 3.25$


4 POSITION MINIATURE SWITCH $35 c$

$$
\begin{aligned}
& 3 / 4 " \text { DIAMETER } \\
& \hline
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\text { Hes } 4 \text { positions, one marked OFF. Less }
$$ than $1 / 2^{\prime \prime}$ deep including contact prongs. for minlature radio, hearing alds for one control switch, etc.

3P-88
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Delivers approzimately I. 345 volts. Extremely
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2 oz .

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| :---: | :---: | :---: | :---: | :---: |
|  | 5/8" ${ }^{\prime \prime}$ 5/8" | 10 | , 33 |  |
| RM3R $R M 4 R$ | $1785 / 8^{\prime \prime}$ $1.7 / 32^{\prime \prime} 5$ | 4 | . 51 | . 36 |
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WITH HEADPHONE one tuit mondemstment CODE RUNKER- HOMOAOCASTE: whomat thactr code ractice xer - Sine wave gentmactice oscillaton.

Wract of the $10-1 \mathrm{~N}-1 \mathrm{kit}$ you can build With this smat circuits. 16 Faye initrily and explains the alls one of the to wife quicki, and ading many fundamentuls pictoriolly operation of these circher electronically minded young basic operapio sericing. Perfect with arphone. 6SN7 fube, condensers and of rars. Kit is complete witectifier, resistors, condensers and stars. Kransformer, selinum rect shpg. wh. 4 lbs. .. Net $\mathbf{8 . 6 0}$
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Not a Kli-Completatr For Servicemen-Hobl Wirod The Perfect Technieions Hoblistsproblems. Not a toy answer to servicing signal generator. Output real electronic $455 \mathrm{KC}, 600 \mathrm{KC}$ and 1500 KC Hiaqencias of Compact - linhlweigh - Highly siable. strucfions with fubes, leads, clips and in. struchions
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Not just ordinary schemaste and plrtorlal diamruma. Wut a nex simple method that inskes bullding a ctinch.
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 plastic cabinet with bult-in antenna. all parts. Sinpa. Wit. 7 tibs, 14.95 wint 5
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A rugred. "matched-tone" hesdset. Extra large diaphragnis Irublan

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Extra headset enables two people to listen.
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HEADPHONE CUSHIONS FOR ALL PHONES
These hesdphone cushion at all types of headphones. They
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 extentions, etc M-40- pup only (type Pl-291)

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474

## "TINY ATOM" ELECTRIC MOTORS

- Operates Modelt
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Experim

6000 RPM D.C. motor. Runs on The "Tiny Atom" is a boll batteries. The field is an Aleel core flash light or dooret. Wire wound lamhosphor brone - phollpermanent magass sleeve bearings-bres as found in fullarmature - Same construction feased in transparent poll sizel brushes. Same Completely encased motor of small sizel size motor! the ultimate in a fine is $2^{\prime \prime}$-diameter at any styrene! Only $\mid$ x $13 / 8 \mathrm{~s} \times 1 / 1 / 2$ " Shaft Weighs approximately ${ }^{2} \mathrm{Oz} .6 \mathrm{oz}$.
Weighs approad. Shpg. Wt. 6 oz. 1.33 ea. No. $3-100-11 / 2^{-3}$ V.D.C....
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## METAL CASED MOTOR WITH REDUCTION GEAR

A powerful smooth running miniature reversible motor With speed reduction unit. suitable for industryonal imenters and hastry, experOperates ond hobbyists V.D.C. Complete with pulleys for 4000 and 1000 RPM mounfing bracket and drive belt. Dimensions: $11 / 3^{\prime \prime} H$
 Weighs approximately 3 oz . Shpg. Wt. 8 oz .
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In lots of $3 \quad 2.00=$
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MOTOR WITH 5 DRIVE ACCESSORIES
A highly adaptable-extra sturdy-miniature reversible motor. Rugged stee motor. Fast cooling and will stand Fast cooling and Permanent rough handling. Operation 3 cheavy, long wearing Alnico magnelate with pulley- 2 pinions-worm gear and spur gear. Designed oovels toys and exper lems encountered in driving models $y^{\prime \prime} \mathrm{H} \times \mathrm{l}^{\prime \prime} \mathrm{W} x$ imental equipment. D $3 / 32^{\prime \prime}$. Weighs approximetely
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The most comple
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## MOTOR ASSEMBLY KIT



Thu "ny Atom" motor in dis-assembled forml Perfecf vucational aid! The basic principles of this miniature motor are the same as those of all DC motors. Ided for schools-day camps-youth organizations-or any one contains all necessary parts to mate a $11 / 2$ to 3 V C C double shaft, reversible motor with clear plastic housing. Also includes pulley shafts brackets, worm gear and pinions for pully, applying motor plastic case with comprehensive instruction book. Shpg. Wt. I Ib
No. 3113-Assembly Kit
In lots of $3 \quad 2.00$ ea. Singly •ه. ...... 2.25


A "Tiny Atom" motor and a complete set of parter Includes 10 gears- 7 pinions applor, or gear traill. ley and a supporting frame -2 drive shatts, a putbe mounted on the frame. Gotor and gears ma and sturdily built frame. Gear train is accuretely speeds from 30 RPM to 400 RPM brass. Drive shaff by changing gear and pinion com can be obtained power is delivered to motivatembinations. Ample model R.R. accessories-signs a host of modelsbe used in conjunction with and gadgets. Can accessories to obtain addifional ofter power drive many types of drives. Shpg. Wt. 2 lbs
No. K-3000 $\qquad$ In lots of 32.67
Singly od. -----. 3.0 .


Designed to supply all the components naeded petups drives of different types for mechanical ries-and other movaboats-model R.R. accessa"Tiny Atom" motor nected, spur gear and worm for belt, direct conquiet, long wearing and worm drive. Pinions are brass. Includes 4 sh accurately made of solld gears, crown gear for righting brackats, 5 spur drive wheel, power fransmissiongle drive, friction pulleys, spacers, washers, ssion belt, battery ledds, small parts and sčrew driver Wcrews, extra shafts, tion of units, practically every type this combina: bale constructed. A wide range type of drive can able af the point of power take speeds is avail. made of durable metal to clore off. All parts are She brass drives are long lasting folerances. Steel Shpg. Wt. 2 lbs. No. K-4000 $\qquad$ In lots of 33.33 ea. Singly ea. 3.77

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Similar to above but less motor-battery leadsant screw driver. Brings the means of power trans-
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## SPEGLALS for HAMS-EXPERIWENTERS-SERNIGEMEN



WESTINGHOUSE 417A KLYSTRON Covers frequency range of 2650 to 33 forced air Can take up to rey adjustable by meas: Beam cooling. Frequand knob (fine). Rasis) and Filament $V=1000$ ai 40 mm . Refluctor voltage- 250.55 is 6.3 v . at 3 amp. e ech...........NET 3.95 SP.13-In lots of 3 ,
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1886 Counters at a
5BPI/SGP1 C-R TUBES
cathode ray
use. Biand new
tubes priect for osct mestium per. Greon fluorescence inch screen, melt sistence. Lasqenal 11 pin hase. 0.3 volts. heater, anode No. 2,45 Sp-14 - shing. Wt. 3 Lbs....... ${ }^{\text {, fully guaranteed. }}$ Wall MG-CM=30:

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TA IN 14 INSULATED TOOLS Here's what you get in this deluxe
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6" screw driver with fit gator side driver with metal nib; alliwrench; $1 / 4$ " hex metal side $1 / 4$ nut $1 / 4$ " square nut wrench: $21 / 2$ " screw; driver with motal nib: $1 / 4$ "crew- hex motal serow driver; $5^{\prime \prime}$ and $6^{\prime \prime}$ sench; drivers and leatherette case. Shipg.
wt . 1 lb . wh. 1 ib.
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$100 \mathrm{~V}=100 ; 11 \mathrm{e}=5810.2$

Type 1886
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TURN ON WHEN DOOR OPENS

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Singly, each.

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## 49 C

CONDENSER SPECIAL 10 MFD-350 WVDC

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 Beacon Lamp powerful and versatile portabio them lamp. Operates as lamp, oflashing con may be positioned up or sown Sealed beam bulb kesps mirrored re. leactor dust free. 4 ehrome-plated stesel amphead. Chrome-plated beacoh orm 60 fimes per minute. steel weathes proof case with hinged cover and thep cateh. Operates on one battery. Shpg. ML. 66 -Less Battery Net 6.98 Burgess No. F4H bottery Burgess No. FWt. I $1 / 2 \mathrm{lbs}$.


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450

36" length very heavy flexible live rubber cable with a PL. 55 standard phone
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 - NEW AMAZING - FOOLPROOF
 $x$ instrumenty in 1. Jleasures AC•EC' inft, Mromas-






BREAK-IN TELEGRAPH KEY
 Mounted on bakelite base $41 / 4 \times 3^{\prime \prime}$. Jumper strip, binding posts and circuit elosing keying contacts. Metal part cadmium. plated. Excellent for sounder and buzzer telegraph. Shpg. Wt. 8 oz .


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A univarsal wrench that has ten different openings for sizes up to $19 / 32^{\prime \prime}$. Fits $95 \%$ all nuts and bolts in use. small head designed to Opening permits wrench to go over shafts of controls, switches, etc. Made of strong motal alloy, only $4^{\prime \prime}$ long $x \mathrm{f}^{\prime \prime}$ wide. Shipg. Wt

GE-MAZDA PILOT LIGKT BULES
6 ft . Ivory zip cord "ith molded standard AC plug at one end, and in on-oft push inches from other end. A million uses. SP.81
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## A two gang superhot good quality basic AM funor. Has

 $68 E 6$ and 6SF7 fubes used as pentagrid converter, and I.F. amplifit and 2nd defector, powerful loopstick antenna; 3 position switeh for AM, PHONO, or iV solection, phono Input lack, wo gang superhet variable condenser, and two C.3V 3 . dow af a amp. and approximately loo VDC ap 25 mils) to power it and reproduce the entire broadcast band. Over. Shpg. Wt. 4 lbsSP-73-while they last

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Interconnecting cables for Phono, amps, etc.
USE IN PAIRS AS 2-WAY PHONE SYSTEM

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Here's an outstanding value, Originally designed for government equipment and made by G.E. Just connect with 2 -conductor wire and Each are actuated by the sound of your voice. tall any 2 and a headset for listening. Ideal for house for communication such as trom roof to f . or more installation. emective up to 1,000 as small extensividual units can also be used ing. Shpg. Wt. I lb SP.71-Single Unit

SP.72-Set of 2

A - $27-25$ $B$ E

MS.89 24" LONG 59 C MS. 90 36" LONG 65 c TYPE B
EXTENSION FOR ABOVE MALE PHONO PLUG ONE END, FEMALE JACK OTHER END
MS. 91 I8"LONG
MS. 9224 LONG M 5.9224 LONG

MALE PHONO PLUGS BOTH ENDS

## TYPE A

BOTH ENDS

C $\mathrm{CH}=\square$
4

## TYPE C

## MICROPHONE

EXTENSION
STANDARD MALE
ONE END.
FEMALE OTHER END
MS. 9412 FT. LONG 1.95
MS. 95 24 FT. LONG 3.15
TYPE D
FEED THRU. ACCEPTS MALE PHONO PLUG AT BOTH ENDS

Miniature pin straichtener Precision die for straightoning pins on 7 and pin miniatures. Quickly aligns bant pins. Employs simple vacuum principle to lift tubes, avoiding MS.15

596

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98c
OX OF SO
SCREW-EYE
INSULATORS

INSULATORS
$31 / 2^{\prime \prime}$ wood-screw type with
genuine polyethylene unigenuine polyethylene uni-

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SIMPLY PLUG INTO AUTO CIGARETTE LIGHTER

## famous make

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AM TUNING MECHANISM
AASG SLUG TUNE ANTENNA, RF AND
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## UNBELIEVABLE LOW PRIGES

## WELDALL-the wonder Welder!

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The only practical way to grip and hold small parts and pieces. $11 / 4$ die cast laws open fo 48 . Mounted on die. Holds work for drilling, marking. filling, sawing, etc. Endless usas in thop and handiwork. Shpg. Wt. I ib. HD. 96

Net 79 c

## POWER GRAFT JIG \& SABER SAW

The perfect standerd duty jig sew for hobbyist, shop and handyman. Ruggodly con structed-assy to use-recommended motor $1 / 4$ H.P. Depth of throat $12^{\prime \prime}$. Table of heary gauge steel measures $81 / 2^{\prime \prime} \times 81 / 2^{\prime \prime}$. Uses stan. dard $6^{\prime \prime}$ or $61 / 2^{\prime \prime}$ blado any width up to $3 / 16^{\prime \prime}$ Stroke is $9 / 16^{\prime \prime}$. Enclosed mechanism-run in light grease. Self-Lube bronze bushings and hardened working parts for long wear and durability. Two piece cast frame-16" high $171 / 2^{\prime \prime}$ long overall. Uses $3^{\prime \prime}$ pulley. Motor not included. Shpg. Wt. I4 lbs.
HD-61.
Not 9.35


Dasigned with the serviceman in mind. Center section has 6 sections. Three hinged wing-out sections each with its own button-down cover. One top section undivided 4 motal braces at hinge corners. Lover-action inap locks. Plastic carrying handle
 wear resistant material. Shpg. Wi. 10 ibs ML. 50.

Not 10.75

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A new sll purpose welder for a thousand and one wortaho or nume repsirs. Mendy, arid rephirs countless items. Works
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owtrers-farmers-jewelers-plumbers air condilioning and oll other mechanics. The uses for Weldall conditioning are limited only by your own ingenulty! Nimplo and direct nction due to
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Powered by any $1 / 4$ Electric Drill.

- Compact-Sturdy-Light weight. Twin-cylinder com This is the newest tool attachment for your $1 / 4^{" ~ e l e c t r i c ~ d r i l l!~}$ Anyone can do a prolessional job on furniture-autos-cabinels PS! at 1500 RPM. Adjustable bracket permits any $1 / 4$ cu. drill to serve as power source. Includes adiustrible nozzle to handle various liquids-one quart capacity siphon type spray gun threaded for standard mason jars- 10 ft . rubber hose- 50 lb capacity air gauge-three adapters to fit practically any air inlet valve-twin cylinder compressor with 0.80 PSI pressure | regulúter. Only $14^{" x} \times 9 / 2^{" x} \times 71 / 2^{\prime \prime}$. Shpg. Wt. 8 lbs. |
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ROTO SABRE SAW - Desiged tor acenrate wort.

- All geving parts of hardemad and gresno alloy steol. - Oil impregwated bearings threngheu - Kousing of die-cast aluminmm Built for the heaviast work-priced for the lightest budget! Easy to operatopress. Comparable to highest priced attachments. Fully enclosed for masimum safoty. Complett with 3 bladesI ach wood, motal and scroll. Shpg
$8.97 \mathrm{~W} .11 / 2 \mathrm{lb}$

WELLER SANDER
AND POLISHER


Has standard $1 / 4$ " chuck with 3 hard ened jaws. Chuck opening from $0^{\prime \prime}$ to /4". Set on "easy-grip" ferruled wood handle $4^{\prime \prime}$ long. Holds small drills, reamers, screw bits, files, efc. A "nat ural" for the hob
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Net 8.97
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ELECTRIC HANDI-SPRAYER 5.97 in 5overticee and monory 80 lb . nozile prot ure gives profocional roulth. Sproys oll typors of painter onametrond lecquer. Any sproyable liquid Erciusino Tival nozze pormitr spraying up, domn, sis cide. mays without filting ior. Intionti iprey con-tro-fingortip adiustment findm mist to cono or straight streant High Impact plemic houving et parts of treinless tool and brass, Comploto with 24 oz Mason Jer aod t H. cord. Shpg. Wt. 4 lbs .
W8.12-Not os., 6.25-Lota of 3. 5.97 on.

Positive Stroight Liee Action Sones with
The Groin
Large Sanding Areo Full 25 sa. inch Powerful High Speed Cool Moter 14,400 Strotes Per Mlanto owor-packed reciprocating pype asy-grip ease only 2 ? " high with push-button on-on ingertip control. No torque, bueking or wisling. Poritive etraightline action. Tension9 lock papor holders. kubber insulators botwoth notor and housing minimizes noise, 25 sq. in theots ast and amplete with 8 H . cord, Shpg. Wt. $31 / 2 \mathrm{lbs}$

SPINETTE SOCKET WRENCH SCREW DRIVER SET "4 A handy tool at a dandy pricel Consigms LI of five sockets, sires $1 / 4^{\prime \prime}, 5 / 16^{\circ}$, $11 / 32^{\prime \prime}$, H" and 7/16. All strung on a hoxagon I!: Shaft which onds in a $1 / 1^{4 \prime}$ screw oriver .. Has shock prool transparent plastic 03 handle. Shaft and sockets are brigh Hished. Worth twice our Wow 75 Met 75 c as
Adejustable socket wrench for repair, main work in doep Nreduetlon work. starter tootdarts instamily and sete positivoly 1 Grips, ting. Nut or belt wen't slip or turn. Knuriad serews. Wen't dif or turn. Se ores of une in shops, olante and home. Shoek- Droof viny Ne. 12 nut or serow. $85 / 4^{m p}$ long: HD-18.

SPEED-O-MATIC RATCHET BRACE

## SET

Hore's a rean doall 8 plece Ratehot brace and Serow oriver Set Lest than whote ersert wist:

 acrew drivor badao "xx"" erow diver blade
 MD. 77
Net 1.59
SAW-MATIC
8" TILT ARBOR SAW DOES
EVERYTNING SAWS COSTING

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## Sives atile performance. Blade

ou tan mitre $45^{\circ}$ ruting ankle.
any any lengin at ans
 ures include steel safetr guard, self-allgntux rip fence, iarce pulfohal cons-

 18 HO. 127.
$H$
HD-128 FNTFNSIONS ACCESSORIES
D. 130 Viva pulles.
ML.47-4 E. F. 1725 RPM Split Base Motor

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 NEW! IMPROVED MODEL! Screw-DrilCount


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 WELLER-SOLDER GUNSNaw Migh Wartage Guns - Thase latest model guns hove everyning - increosed wat featherweight balance. Come sauiped with cord, plug and one tip. $110-120$ volts

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Model 5400 Single-heat type 135 wats

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 scrow throad. Z clamp has a for quick ad-
$1 / / 4$ hold loose iaw 796
496 Net 49 C - Conticlec. Hand Drillta Converts ${ }^{\text {Drill Press }}$, cossory Hem which - Herpl NBC


 std cut-of tool. ........... sturdy, practical and rods and prod polishod shps. Wt. $3 / 2$ $\mathrm{HD} \cdot 10 \mathrm{~B}$ - BENCH VISE: Maximum $21 / 2$ jaws accuratoly home CLAMp.ON open to a maigid grlp. iobs


## REPLACEMENT CHISEL-POINT TIPS

No. 7135. For light-duty models $\$ 400$ and D440. PKG OF ? De. 7250. F 2......................... 25 No. $\mathbf{\$ - 5 0 0}$ and D-550. PKG. OF 2 S. 200 , WD. 250 No. 7300 . Chisel tip. For use only in olde models $\mathrm{S}-107$ and D-207. Nat interchange able with lips used in guns listed above PKG. With

Rated over 100 watts, new compact design with dual spotlights. Heats in 5 seconds. Trigger switch control. U. L. approved, ConWELLER 8100 -singly ......................... 5.83


Here's evarything you need for hundreds of homecraft and hobby jobs. Does all the many electrical soldering jobs around the home and shop-plus plenty of heat for sheet matalpais plastic toys. Kit includes 250 watt inpair plastic supply of Kester solder-soldering tipsmoothing tip-cuttina tip-tip interchange wrench-two instruction booklets-sturdy metal case for convenient storage. Shpo. Wt. WELLER 8250-AK Not 10.99

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## ELECTRIC DRILL

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## DO A 1000 \& 1 JOBS




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WORTH MANY TIMES ITS PRICE


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FULL - 55 db OUTPUT LEVEL! - REGULAR $\$ 16.00$ YALUE!
PURPOSE MIKE!
Most compact-specially engineered epystal micpophone. Attaches
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 Handsome. heavily. chrome plated case and clip for attaching to lapel. Ideal tor inexpensice P.A. systems-hams-home recording - geineral purpose. High impedance. Includes 5 it, of extra "ight PA. 18

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NEW STEWART WARNER PORTAFONE The farmer. hunter, yachtsman, surveyor, car owner and the
hundreds of others in need of an inexpensive means of short range communucaton system, ullt find the now Stellart-Warner
Iodel isB, 2 -way "Portafon's" dideal. Transmits many milies Model i3B, 2 -way "Portalonis" Ideal. Transmits many miles
along line-of-sight paths of up to several hundred yardi where obstruction erists. Transmitter operates at 463 megacycles. Frequency is kn spectal band esiablished by F.C.C. Station
Itcense is easily outalned; operator's license is not required license is easily oltalned: operator's license is not requlred. Transmitter and recelser are buint into headset. Conventen
Prequency adjustment knob for tuning unit to exact transmitter
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Spectal fat pack contaluang all neecessary batteries and connections. Fils Portalone case

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Porrafone.
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 antemn. Slize $10^{\prime \prime \prime} 12^{\prime \prime} 11^{\prime \prime}$. Shpge Wt. 36 lus.
MODEL 9179A-Net (Iuclude 88.50 F.E.T.).................................................................. 199.50


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## MASCO TWO-STATION WIRELESS INTERCOM



- just plug-in•and talk
- NEW NOISE SILENCING CONTROL
- TAKE IT ANYWHERE . USE IT ANY. WHERE - NO WIRES REQUIRED
Compact-Portable-Versatile. No wires or intercon necting cable required. Uses existing power lines circuits. Fuse boxes and alstributor trancformers are no obstacle to intercommunication. Additional stations may be added. No interference with radia sets.
May be used on $A C$ or $D C$. Unbreakable cast alumi Mar be used on $A C$ or $D C$. Unbreakable cast alumi
num housings. Easy to initall-simple to operate. Se lector switeh permits use on either grounded o grounded electrical systems. Noise silencing contro on back for noisy locations. Has volume control with talk position. Each unit $73 / 9^{\prime \prime} \times 61 / 4^{\prime \prime} \times 51 / 2^{\prime \prime}$. UL ap
 MASCO WF.2-Per set of 2 55.86

MODEL SSW-additional stations

MASCO ELECTRONIC MIXER amo PREAMPLIFIER


Tha MASCO Model EMM-6 Electronic MixerPreamplifier is designed for olactronically mixing the outputs of up to four microphones and two phonographs or radio tuners into any amplifier, public address system, tape channel. Cathude follawer outout allows 400 ft. separation from amplifier Any channels separately controlled. All inputs high impedance. Frequency response 50 $15,000 \mathrm{cps} \pm 2 \mathrm{db}$. Distortion less than $.75 \%$ harmonic and hum level -70 db both at volt output. Voltage gain 100 times ( 40 db ) on microphone and 8 times ( 18 db ) on radio phono. Three $12 \mathrm{AX7}$ tubes plus selenium rectifier. Has 8 ft . cable and plug. Size $83 / 1$



## SOR SOR SOR SOR SOR

SYSTEM I - One moster ond up to 5 remote slotions Master con call all remotes simultaneously. (Re


SYSTEM 2 - All Master System. Maximum of o musters, if foch Otherwise, more thon 6 master.

## CHALLENGER INTERCOM SYSTEM

The Challenger " $b 00$ masier stotion will operate in a system using o single master gnd up to five remole stations, or in on all muziter system of the "Mute" position silences the background noise of the remote stotions, yet the remote con still initiate a call to the master. The "All" position permirs a moster station in either type system to call all other stations simultoneously. The " 600 "' Moster station is housed in o sturdy polystyrene cabinet, $6 \times 61 / 2 \times 70$. Has press to-1alk switch, 7 position selecior matching cabinet and is equipped with on initioting coll ban hos o canversation with the master, the remate does not operate any. During Master stotion complete with iubes, opepates on 117 volis $A C$ DC Under weiter's Laboratories approved. Shpg. wt. $600,6 \mathrm{lbs}$. 60 R 3 lhs. 600 Moster Station, Each..
23.43

GOR Remote Station, Each
35; Per
P16056 - System 2,7 Cand Cable 100 F
7.35; Per F

## MASCO E-Z TALK

2 Station Intercom System


- First Time at a Price to Fit Everybody's Purse!
- For Home Intercom
 or Baby-Sitter

$$
\text { A complete } 2 \text { station intereom system that is easy to install and simple }
$$ to operate. Master station has volume control with on-oft switch. Remote can answer calls from a distance as there is no switch to operate on remote. Remote is always "open" making its use as a "baby-sitter"

ideal. Low hum and noise. Alnico VM speakers. Metal cabinetssize: $6 / 2^{\prime \prime \prime} \times 3 y^{\prime \prime} \times 41 / 2^{\prime \prime} \mathrm{H}$. System is complete with 2 stations, 50 ft . of MASCO E.Z TALK SYSTEM

NET 12.98

## MASCO

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INTERCOM SYSTEM

Complete with 50 ft, cable
Less to irsiall- simple to Uporate This extremely low cost complete two-btation System mates it tisssivie fur sury hanle and esery ome to enmy the convenlence of









## Guaranteed For One Full Year



Less Tubes

## FAMOUS 10 WATT P. A. AMPLIFIER

## Top Quality - Fully Guaranteed

Provides extensive coverage up to 20,000 square feet when used with truspot ajeakers L'nit is applicable to utore demonatrations, clubs, churchees, ofices, ciassruoms, suctinn islan, entcitainment, etc. Incurparates latest circult features for improved 10 -watt perfurmance. deparate


Technical Specifications

Tubes: 1-0SC7, 1-6L6, 1-5 Y 3 GT.
Inout Galn: Mlcrophone 10.5 db 2.2 Mem Phon 65 dh th Mee
Freguency Response: 70 to $10,000 \mathrm{cps} \pm \pm$ db.
Tone Control Attenuation: Treble 15 db
at $10,000 \mathrm{cps}$.
Controls: 3: Microphone, Phono or Radio, Tone.
PA-10-Amplifier less Tubes........ Net 18.75

Output Imperances: Four and Eigbt Ohms.
Hum and Notse: 60 db below maximum output.
Power Consumption: 70 Watts, $110 / 120$ V. A.C. 60 Cycles.

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PA-II-Complete with Tubes
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## 15 WATT P.A. AMPLIFIER <br> For The Finest Sound System

 3-SPEED PHONO TOP For above alaplifer. Fis in piace of cover. Plays all speeds-98. $33-1 / 3$ and 45 RPM. Has constant 3 -speed motor, with turnorer PA-50-3.speed Phono Top


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PA-107-Complete Syutem less 3-speod
59.95

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THE GREATEST NALUES in 50 UND:

DUAL SPEAKER 25-WATT PORTABLE SYSTEM


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 COMPLETE SYSTEM CONSISTS OF: The PA-뀨 , El-way
 pluts: Plat flusted in winul Lave wing thin and uperato For $110-130$ PA- 111 -complete sytutem less Phono Top ....Not 69,95 PA. 112 -Complete System with 3-roeed Phono Tep, Nel 85.75


## 30 Watt Mobile System with 6 Volt-110 Volt Amplifier








PA-113-Cumplate sympem with Tubes and 3-speed Phone Top....................... Not 187.75

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COMBINATION PHONO

## TABLE RECORD CABINET

Here's an attractively niniahed unit that is net anly teniniful aigee of furniture, but that has the functional
dosign to make it reaty siziul. a phonograph or tape docerder may be plased on the amply aised top. 1 ne storame space has a vortical divideor for $10^{\prime}$ or $12^{\prime \prime}$ reeorde or albuma, The harizental dividor for 45 RPM nocerds and albuma is removable so spese eath be utilistd for fiat or Usrigh otiaking. Made of high grade beaufinishod and styled. size $24^{\prime \prime}$ hish $\times 221 / 2^{\prime \prime}$ wide $x 181,2^{\prime \prime}$ desp. Shioped knockdown, Simple to a isomble. Shpe. Spesity celor
Univeral R80 Cabinet Manogeny Universal RBo Cabinet Blond
9.75
10.50

## WROUGHT IRON BLACK HAIRPIN LEGS



## - Set af 4 as law as 2.25

Do it yourself. With these smartly styiod "hair pin" logs you can build modern bo ches, bookTV set or ather furniture them on your present TV sel or other furniturs. Sturdily enasiructed of K" rod with welded stoal top alroady drilled for msortion of scrows.
ML-53 6" high Shpg. W

Wt. $31 / 2 \mathrm{lbs}$. Sot of $4 \ldots .2 .25$ ML-5S $17^{\prime \prime}$ high Shpg. Wt. 5 lbs. Sot of $4 . . . .29$ ML-S8 $24^{\prime \prime}$ high Shpg. Wt. 8 lbs. Sot of 4.3 .59 ML-S7 29 "high Shpg. Wi. $11 / 2 \mathrm{Ibs}$. Sot of 4 .. 3.89

## Micro-Telescope

Two precision optical instruments in one handy pocket unit. When collapsed it is a 50 X microscope with a self contained concave illuminator mirror. Extended it becomes a $10 \times$ Telescope! $5^{" ~ c o l . ~}$ metal construction with a grey enamel and chrome finish. Remarkable versatility in on instrument. Ideal for field work-nature study
F-38

4X40
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A fine 4 power field glass with 40 mm objective lenses. Smoothly operating central focus for quick adjustment. Variable inter pupilary adjustmen permits setting to your eye width. Rugged frames for all round use Finely ground and polished lenses. Magnifias objects 4 timas! 40 mm objective lenses suitable for night viewing. Do not confuse these glasses with "foys" selling for even more! Light weight-maximum light gathering power-large field of view. Complot
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Value

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 CluBs DENSFine, imported brass barometer-spe. cially designed for boats--equally a home in your living room or don. Silvery dial with fine black markings. Reads "Stormy-Change-Very Dry"measures from $27^{\prime \prime}$ to $32^{\prime \prime}$ with subdivision of 0.1 . Has third scale divided from 900 to 1065 millibars. Boveled crystal face $31 /{ }^{\prime \prime}$ in dia. $4^{4 \prime}$ dia, back flange with three mounting holes, $15 / /^{\prime \prime}$ deep overall. Highly polished nautical brass case. Adjustable for local height above sea leval by means of screw at rear. Shpg. Wt. I lt.
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F-145

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Net 4.75

The famous knife of the Cerman Army! Made in Solingin. West Germany, of super fine steel. Holds edge sharp enough to shave with! Firlest hunting, fish. ing, and all round sporting AID made! Includes $23 /^{\prime \prime}$ " saber type blade, $13 / 4$ " utility blade, standard screw driver. Phillips screw driver, $3^{3 \prime}$ compound foothed saw blade, reamer-punch-awl blade, can openor, and bottle opener. Withstands the roughest treat monr. Fine Solingen seeel assures years of dependable sorvice. Shpg. Wt. 1 tb

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## BELOW JOBBER COST!

Anothor Lafayothe Scoop! $\hat{\text { Aradio }}$
manufacturor, making clock radlos. manufacturor, making clock radios averpurchased on tilectric clocksnoeded the casn-liked our gresm backs, and Lafayotte got the deal Automaticelly turns on radios, tele vision sets, toasiers, colfesmakers atc.- bi any pre-set time within 12 thour perlod also tells time. BulltIn single-pole switch handlos up to diameter round hole. Depth behind dlal face $21 / 4$

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Stock No.
MS-62

UL ap proved. Fop $105-125 \mathrm{~V}, 60$ cycle AC. Shpg. Wt. $11 / 2 \mathrm{lbs}$
FAMOUS MAKE HEAYY DUTY CLOCK TIMER
5000 WATT CAPACITY
This remarkable clock-timor will auto. matically turion on ond off a mulsitude of apollance and sigctrical mouipment. Ratod at ! $23 Y-50$ amps. -can ha used -air conditionersic-up to 5,000 watts of electric lights-etc. Can be set to turn on or off at any time within a twelve hour cycle. "On" cycle extends from $\pi 1 / 2 \mathrm{~min}$. to $51 / 2$ hours. Accurate-de. pendable clock with synchranous self starying molor. Chrome and white numbered dial is $51 / 2^{\prime \prime}$ in diameter. Depth behind dial is $2^{\prime \prime}$. U.L. Appreved. Less knobs. Shpg. Wt. $1 / 2$ lbs. Ms-102.............................. 3.95


4 BUTTON

5.70

ALARM TIMER
SWITCH

## - SLEEP SWITCH

## - BUZZ ALARM

- aUTOMATICALLY TURNS ON RADIOS, ETC.

We've done it ogain. We bought up the overstock of an equipment manufacturer to bring you this automatic 4-button fimer at a giveaway price. Turns on radios, to sets, toasters, etc. at any preset time thin 12 hour pariod. Buition SPST switch handes p to is amp 115 volts. Has sleep switch sa youl can oo to sleep to music-if will automatically shut of radio at praset time up to 90 minutes. And it also tells time. shpg. Wt. I $1 / 2$ lbs. MS. 105

Not 5.70


If the lote wartctop
Ia the trtetee - On the farm
Tap-A-Line multi-plug is handy time and nuisance saver. Avoids shiffing of plugs-riringing extension cords. Makes appliances at one time. Easy to install pplancel at one fime. Eary to inskily at all times. A must for use in areas having a limited number of outlets. hated at 1000 watts. Ivery colored tough plastic- $12^{\prime \prime}$ long by I" square. $^{\text {s }}$. Four ft. heavy cord and plug. Tap-A. Line ts. ssefe-convenient-handy. Shpg. Wt. 11/2 lbs.
ELIO.
Net 1.41
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dentical to the modal F-6l but has added facture of a pair of fine quality 1 tb. $-121$

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- Easy to read.
- MAGNIFYING CASE.



## accuracy GUARANTEED.

Instant comparison of room and out"Inside" location deal for quick easy reading. Tells at onee if air-condioperating properly. Magnifying case and single centered scale permits easy reading from any position or distance in the room. Guarspecified by the U. S. Bureau of Standards. No moving parts to become worn. Easily quickly installed bectrac tive charcoal gray background-white scale-red fluid tubes. Complete with instructions and mounting hardware. Shpg. Wt I lb
F-166.
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Life time circuit protection-Fits in standard Edison base fuse receptacle! Trips instantly on overload. Never needs replacing-just reset! Built in line log handles temporary starting leads and line surges. Dead front construction aliminates danger from shock or sparks. No special equipment-no special wiring required! U.L. approved-of course! Tested to 12,000 'on-off" cycles without failure! Available i $15-20$ or 30 amps. State amperage required. EL-40...
..Net, each 1.26

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FHE BENEFITS AT GIVE AWAY PRICES!!!

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Mado in Germany of hard rolled, nickel plated brass. All instruments are nested in a fitted, velvet lined case. Contains three side wheet $33 / 4$ " bow instruments-one a divider, one a pencil and one a pen. All have reversible needle point. $51 / 4^{\prime \prime}$ compass with pen and pencil parts-and lengthening bar. $51 / 4^{\prime \prime}$ divider with straightening device. $5^{\prime \prime}$ ruling pen. Extra handle for use with pen and pencil parts. Capsule with extra leads. This is one of the finest values Lafayette has ever offered. Perfect for schools, labs, industrials or wherever precision drawing sets are used. Your money back if you do not agree that this set is worth twice our low, low pricel

## F-13

NET 2.15 SPECIAL COMBINATION OFFER DRAFTING AND DRAWING SET

## Consists of FI 3 Stock No. Fs 0

 drafting set and PROFESSIONAL GIANT BOW DRAFTING SET- 6" Size with Center Wheel Adjustment Finely BolancedProfessional Type Professional quality utility set in a filted, velvet lined case. Made in Western Germany of nickel plated. hard-rolled brass. $6^{\circ "}$ giant bow has preferred center wheel adiustment. Makes circles from $1 /{ }^{\prime \prime}$ " to over $10 .{ }^{\prime \prime}$ in diameter. Set includes 6 " giant bow interchangeable pen and pencil parts, extra needie for using bow as divider, handie for use with pen and pencil parts, lead, lead bor and repair parts. Quality features make this
set worth many times our low price-You must a aree-or your monay back sht worth many Wt . 1 lb.
S.

IMPORTED MARCHING COMPASS


Made in Germany by the leading European compass manufacturers. indispensable for campers, hikers, hunters, tourists, etc. same type as those extensively used by the armed forces to determine one's position in unknown country. Jeweled needie-luminous cordinal points-rotating twin scale, 0.64 and 0.360 -sighting line and mirror for accurate bearings-locking device-setting edge calibrated in millmetres-rugged ebony finish case. Can also be used to
measure the width of an objective. Commeasure the width of an objective. Com
pleto with instructions.
F-115
2.45


## JEWELID NEBDLE compass <br> Here's a precision compass by a famous

 compass manufacturer-each compass is made by precision eraftsmen and assures dependable accuracy. Heavy brass case is nickel plated and highly polished. Hinged cover, $13 / 4$ " beveled crystal face, swive carrying ring. Metal scale fully calibrated, has luminous marking at cardinal points Needle is suspended on a jeweled bearing -has luminous tip. Locking device holds needle in position-highly polished inne band permits reading from any angle. F-12.NET 99

COMPLETE DRAWING SET


These drawing kits were especially designed for stu-
dents of mechancal drawing and engineering. Perdents of mechanical drawing and engineering. Per fect for professional people needing inexpensive,
accurate instruments for home or office use. Con accurate instruments for home or office use. Con.
sists of: $18^{\prime \prime}$ wooden $T$ square, $6^{\prime \prime}$ transparent $45-90^{\circ}$ triangle, $8^{\prime \prime}$ transparent $30-60^{\circ}$ triangle, $6^{\prime \prime} 180^{\circ}$ transparent protractor with etched rule and french curve cutouts, $51 / 4$ transparent french curve. Guaranteed to
be worth many times our low price. Shpg. Wt. I lb F. 49

ELEGTRONIC ORAFTING TEMPLATE


Make those handmade schematics
Make those handmade schematics electronic and cathode ray tubes are provided for, plus tube bases of the 4,7 and 8 prong types, in oddition to all symbols in the field of electronics. Edges of all symbol cut-outs are beveled. Size $81 / 2$ $\times 41 / 4$ "--thickness .040 . Shpg. W $\$$. 1 Ib MS-66

NET 2.20


- Telescoping extension bor.
- Draws circles up to $28^{\prime \prime}$ in diameter. - Center wheel odjustment.

Made in Germany of nickel plated, cold rolled brass Divider is $6^{\prime \prime}$ long-has knuckle doint-interchange able pen and pencil parts-telescoping beam-reversable needle point-center wheel acts as microm eter. Makes circles from $1 / 8^{\prime \prime}$ to $28^{\prime \prime}$ with extension bap. A professional instrument with a wide range of utility.
F-116.


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cono Meight with tripod oxtended 51/2 if. Whito Case Height with tripod oxtended 5 ,is in. White on omal finish. Weight of telescope, Mipod and Gare, earh approx. 6
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subjects. Highly polished-finely masubjeets. Highly polishod-finely ma-
chined chromium plated brass fubes chined chromium plated brass tubes,
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A finely made survering instrument of professional quality. Made entirely of brass. The Abney topographic Covel enables the user to determine ground run a level line-etc. Permits slope or inclinationwith little or no experience. Fine prismatic survering Arc seale is divided experience. Fine prismatic system. zero. Vernier scale reads from 1 to 10 minutes af swings from 0 to 90 degrees. Used by farmers builders-gardeners-carefakers-maintenance menatc. Particularly useful in laying out drains-retaining walls and fences-driveways-field drains-rotaining eather case and strariveways-helds-ic. inciudas regular cost. Shpg. Wt. 3 lbs.

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for brilliant color
 12 large ${ }^{21^{\prime \prime}}{ }^{\text {" }} \times 2^{1} A^{\prime \prime}$ "prints orn synchronization-A.S.A. Tern pieture. Brilliant ground plass
ing-never an out of fous ne-never ant out of infer for close-uns and copying. Fast.
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Lens openine 13 ,
Standard cable release tance seale easily visible from aboved body has tripod socket,
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TOP GAR RADIO VALUE
Five tube plus idctiver, Big PM speaker, Slide rale dial, manual tuning.
HO URDEADASH WOUHTIHF Shog. Wf. 12 lbs MODEL 404.
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PUSH BUTTON AUTOMATIC TUNING AT EUDGET PRICE
Complote, oll in one automatic push button model for aasy instollaand gient $5 x y$ exiended tore speaker. Shpg. Wi, I3 ib MODLL E54 - ..................................................Nst 47.95 MODEL 554-12 for 12 Volt cars..................................... 47 TRIM PLATES FOR IN-DASH MOUNTING
WITH MODELS 404, 412, 554, and 554-12. Specify year and make of car as plates are specially designed for each car.

| MAKE - YEAR OF AUTO | $\begin{aligned} & \text { MODEL } \\ & 404,412 \end{aligned}$ | MODEL $554,554-12$ | MAKE - YEAR OF AUTO | MODEL <br> 404. 412 | $\begin{gathered} \text { MODEL } \\ 554,554-12 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Cadillae 1949.52 <br> Chevrolet 1953.54 <br> Cherrolet 1941-48 <br> Chev/GMC Truck 1948. 54 | $\begin{aligned} & 1.27 \\ & 4.30 \end{aligned}$ | 1.27 | Ford Truck 1948-50 1.27 |  |  |
|  |  |  | Henry J 1951-53 <br> Hudson 1951-53-54 | $\left\lvert\, \begin{aligned} & 1.27 \\ & 1.27\end{aligned}\right.$ | 1.27 |
|  | 1.27 |  |  |  | 1.27 |
|  |  |  | Hudson 1951-53-54 <br> Int'I Truck 1950-53 |  | 1.27 |
|  | $\begin{aligned} & 1.27 \\ & 1.27 \end{aligned}$ |  |  |  | 1.27 |
| Crosley 1948-53DeSoto 1949-50 |  | 1.271.27 | Mercury 1942-48 | 4.30 4.30 |  |
|  |  |  | Plymouth 1953-54 | 4.35 | 4.30 |
| Dodge 1949-50 |  | 1.27 | Plymouth 1951.52 $\ddagger$ | 8.45 |  |
| Dodge Truck 1951-52 | 21.27 | 1.27 | Plymouth 1949-50 $\ddagger$ | 1.27 | 1.27 |
| Ford '54 | 5.56 | 5.58 | Pontiac 1949-52 | 1.27 | 1.27 |
| Ford 1952.53 | 4.30 | 4.30 | Studebaker 1950-52 | 1.27 | 1.27 |
| Ford 1951 | 4.30 | 1.27 | Studebaker 1947-49 | 1.27 | 1.27 |
| Ford 1949-50 | 4.30 | 1.27 | Willys 1952-54 Willys 1948.51 | 1.27 | 1.27 |
| Ford 1942-48 Ford Truck 1951-52 | 4.30 1.27 | 1.27 | Willys 1948-51 <br> \#\#Without grille | 1.27 | 1.27 |

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| YEAR | MAKE | NET | YEAR | MAKE | NET |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 54.55 | Buick 12 volt | 4.28 | 52-54-55 | Mercury | 4.86 |
| 1955 | Chevrolet 12 volt | 4.28 | 53-54.55 | Oldsmobile 12 volt | 4.28 |
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* On Ford '55 a $6^{\circ}$ Round speaker Is supplied with set.


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3 sections, extends to 61 inches from $25^{\prime \prime}$ collapsed. Tonite static ball, 2 black stand-off in-
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For long distance and greater sensitivity. 4 sections, extends Chrome static ball and 2 chrome capped bakelite insula. tors. $36^{\prime \prime}$ lead. Shpg. wt. $11 / 2$ bs.
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3 sections, extands to $551 / 2^{\prime \prime}$ from $23^{\prime \prime}$ collapsed. Chrome static ball, chrome trimmed bakelite insulator. Single hole mount, final tighten on car exterior. $48^{\circ}$ lead. Shpg. wf. II/4 lbs
AA-21................... Not 2.40

## UNIVERSAL

## MOUNT AERIAL (C)

Same specifications as above but for top cowl, rear deek on car, or almost anywhere $48^{\prime \prime}$ lead shpg $11 \mathrm{~m}^{\text {ang }}$
A4-22.

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## DISAPPEARING

AUTO ANTENNA (E]
For concealed instaliation on fender or top cowl. 3 sections collapses to $7^{\prime \prime}$ and extends to ligning adistment 49" lead Shpg. wt. 2 lbs.
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SET FOR
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Mounts perfectly with matching plate supplied in ali $54-55$ Buick 12 volt cuis. Completely self con
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ing parts. Suner-conative 900 -vole geiger tube with tely-thin brass enselope. Tube is more rugged and sengitive, and sensitive thangagresponding glass ispe geiger tubes. Tube 11 f is is 500 million to $l$ billion counts siensitivity is 3000 eounts $/ \mathrm{min} / \mathrm{mr} / \mathrm{hr}$. Radioactive test sample supplied. SPECIFICATIONS: Tulies 2-
1U5: Power Nupplym 900 -vole, induction cuil, lowdrain type. Pitenttometer adjustment of voltage $7 x 4 \%$ ₹ $2 \%$ ". Sturdy drawn-aluminum case; hammerloid finish.

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