Prices in Effect Until August 15, 1969 Index on Page 2-8

## BONUS OFFERS PRIC: CUTS NEW IIEMS

Greatest antenna offer we've ever made!

## TV-FM $\$ 2095$ <br> ANTENNA and

 ROTATOR
## SYSTEM

- Alliance

T-45 Rolator

## NO MONEY DOWN... UP TO 2 YEARS 10 PAY

SATISFACTION GUARANTEED OR YOUR MONEY BACK - sEE PAGE 2.B

# Our Best-Selling Solid-State Stereo Receiver Now Cut ${ }^{\text {s }} 20.00$ 

## Check These Deluxe Quality Features



Field-Effect Transistor Front-End Provides Super-Stability plus High Sensitivity for Top Performance

Main/Remote Speaker Switch Lets You Select Either One of Two Sets of Stereo Speakers

Plug-in, Polarized Speaker Connectors With Neoprene Covers Offer Protection from Short Circuits

## New Low Price on Allien 335 32-Watt Solid-State Stereo FM-AM Receiver

## Save ${ }^{\text {s }} 20.00$ \$129 95

\$7 monthly

Was $\$ 149.95$. Exciting sale savings on the Allied 335 solid-stats: receiver put true hi-fi performance and luxurious styling within almost anyone's budget! Features sensitive field-effect-transistor frort-end with automatic stereo/mono switching circuit for superior mono and stereo FM. Stereo indicator light, precision tuning meter, and AFC assure easier FMI tuning. Offers excellent AM too. Full-feature preamp has controls for every music source including tape monitoring facilities. Also has mode switch, loudness contour, bass and treble tone controls, dual-concentric volume, main/remote speaker switch, and front-panel stereo headphone jack for listening to glorious stereo music in complete privacy.
Stereo amplifier has advanced transformerless output circuit for widest possible response. Fused output protection plus polarized plug-in speaker comnectors prevent accidental short circuits. Two handy AC convenience outlets mounted on rear of chassis, one switched and one unswitched for accessory equipment. Has built-in ferrite-rod AM antenna and FM dipole antenna. With metal case. Tukes optional walnut wood case below. Size, $5 \times 16 \times 12 \frac{1}{2}^{\prime \prime}$. For $110-120$ volts, $50-60 \mathrm{~Hz}$ AC. From Japan. Shpg. wt., 26 lbs.
14 S 5077 RU. 87 Monthly.
129.95

14 S 5003 RX. Oiled Walnut Wood Case Shpg. wt., 6 ibs.
19.95

## SPECIFICATIONS

AMPLIFIER CIRCUIT. Power Output: 32 watts IHF. Response: $\pm 3 \mathrm{~dB} .20-$ $40,000 \mathrm{~Hz}$. Harmonic Distortion: $1 \%$ att rated output. $I M$ Distortion: $\mathbf{0 . 2 2 \%}$. Inputs: magnetic phono, tape monitor, auxiliary, Outputs: 4-16 ohms, stereo headphone jack, tape recorder. TUNER CIRCUIT. FM: Sensitivity: $2.5 \mu \mathrm{~V}$ IHF. Separation: better than 30 dB . Sifnal-to-Noise Ratio: 65 dB . AM: Sensitivity: $8 \mu \mathrm{~V}$.

## VHF. . . Up to 190 Miles UHF. . . Up to 90 Miles <br> FM. . . . Up to 100 Miles



Antenna has 60 elements plus Frequency-Dependent design to pull in strong signals even in deep-fringe areas . . . Rotator lets you aim antenna for movie-clear TV on each station

Separately, s63.93. Save more than $37 \%$ while offer lasts! Get both the antenna and the rotator system for the price of the antema alone. Three-piece outfit consists of Allied "Colorset 60" Super-Power Antenna, plus Ahance T-45 Heavy-Duty Antenna Rotator with silent touch-bur Control Unit. Powerful 3 -in-1 ant tema gives you outstanding reception of VHF and UHF TV, plus FM, even in deep-fringe areas. Rotator lets you aim intema, important for color reception. Eliminates or reduces inultipath reception (ghosts), for distortion-free color IV and stereo FM.
Antenna features "frequency dependent" design for maximum performance on every Tl channel. Inverse spacing of driven elements gives higher signal power on higher frequencies, where it's needed most. Preasembled $184^{\prime \prime}$ twin-boom supports all 60 elements: 30 half-wave driven elements for chanmels $7-13$, and 7 driven and 13 parasitic elements for chanmels 14-83; phas 10 elements for TV thamels $2-6$ and FMI. Boasts high sensitivity and flat response for clearest reception. Includes $\mathrm{VHF}-\mathrm{UHF}$ signal "splitter"-only one lead-in needed from antenna to receiver. Sperial antenna design defies high winds and wet, heavy snow. Double-size arrowhead insulators with wrap-around brackets for $300 \%$ greater strength than comsentional construction. Heavyduty sleesed elements. Completely gold-corodized to fight corrosion and maintam its fine appearance for years of trouble-free use.
Rotator turns antennat $360^{\circ}$ at one rpm, elockwise or counterclockwise. Instantly reversible. Positive merhanical stop prevents overtavel. Factory-lubriated for life; moisture sealed. Hand-somely-styled mahogany plastic control unit has control bir that you simply touch to silently rotate anterna-release to stop. Pointer on control box indicates antema dirertion. U.L. Listed. 120 VAC . Onder installation aceresories, 5 -conductor rotator cable and lead-in (form-type recommended) from Allied Catalog 280. Shipped by truck or express. Shpg. wt., 27 lhs.

## SPECIAL VALUE SYSTEM

## Superb 32-Watt Stereo FN-AM-Phono System with ALLIED ${ }^{\circledR} 335$ Solid-State Receiver

Save ${ }^{\text {s }} 160.30$

${ }^{\$} 349^{95}$
\$17 monthly

[^0]
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5. MAKE ADD-ON PURCHASES ANYTIME No need to complete payments on a previous purchase to make a new purchase. Just say "Charge If". After your first order, your signature on any Allied order blank is all you need to make future purchases. Minimum add-on order required is only $\$ 10$.
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7. USE YOUR CREDIT FUND AS A 30-DAY CHARGE ACCOUNT Na service charge when you pay in full within 30 days.
8. SHOPPING IS QUICKER AND EASIER Yau never have to figure freight or delivery charges - we prepay them and include them in your statement. It's the simplest, most convenient way ta buy what you need.

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## guarantees your complete satisfaction OR YOUR MONEY BACK

If for any reason you are not satisfied with your purchase, return it to us within 30 days in the original factory carton and we will exchange it or return your money (less transportation charges). Merchandise returned must not have been abused or altered. This policy does not apply to kits. See page 450 in our Catalog No. 280 for kit guarantees.

## IMPORTANT

Allied will ship your order the best and lowest cost way. Items weighing up to 30 lbs. and otherwise mailable will usually be sent Parcel Post. Items not mailable because of their fragile nature, or size or weight are generally shipped by truck or REA Express (see below). NOTE: On Credit Fund orders, Allied will figure all shipping charges for you and include them in your statement. On cash orders, remit all shipping charges. Don't worry about sending too much-every extra cent will be refunded promptly. Include handling charge of 50 c if your order is under $\$ 5.00$.

## PARCEL POST RATES AND INSURANCE

PARCEL POST. The post office charges a fraction of a pound as a full pound. For example, if the total weight is 4 pounds and 1 ounce, postage would be for 5 pounds.
INSURANCE. We insure all Parcel Post shipments with a private insurance company. In case of loss or damage, adjustments are fast and easy. Allow for insurance as follows
$\$ 2.00$ to $\$ 15.00$
204
304
$\$ 50.01$ to $\$ 100.00$
$\$ 100.01$ to $\$ 150.00$
40
$\$ 15.01$ to $\$ 50.00$.
$\$ 150.01$ and Up 50

PARCEL POST RATES
To verify your Parcel Pastzone, see 1969 Catalag 280 or contact your past office.

| WEIGHT <br> 1 Lb \& Not <br> Exceeding | Local | Ist \& 2nd Zone up to 150 mi . | 3id Zone 150 to 300 mi . | 4th Zone 300 to 600 mi . | 5th Zone 600 to 1000 mi . | 6th Zone 1000 to 1400 mi . | $\begin{aligned} & \text { 7th Zone } \\ & 1400 \text { to } \\ & 1800 \mathrm{mi} . \end{aligned}$ | $\begin{aligned} & \text { 81h Zone } \\ & \text { Over } \\ & 1800 \mathrm{mi} \text {. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | \$0.50 | \$0.60 | \$0.60 | \$0.65 | \$0.70 | \$0.80 | \$0.85 | \$0.90 |
| 3 | . 50 | . 65 | . 70 | . 75 | . 85 | . 95 | 1.05 | 1.15 |
| 4 | 55 | . 70 | . 75 | . 85 | . 95 | 1.10 | 1.20 | 1.35 |
| 5 | 55 | . 75 | . 80 | . 90 | 1.05 | 1.25 | 1.40 | 1.60 |
| 6 | . 55 | . 80 | . 90 | 1.00 | 1.15 | 1.40 | 1.55 | 1.75 |
| 7 | . 60 | . 90 | . 95 | 1.10 | 1.30 | 1.50 | 1.75 | 1.95 |
| 8 | . 60 | . 85 | 1.00 | 1.15 | 1.40 | 1.65 | 1.90 | 2.15 |
| 9 | . 65 | 1.00 | 1.05 | 1.25 | 1.50 | 1.80 | 2.05 | 2.35 |
| 10 | . 65 | 1.05 | 1.15 | 1.35 | 1.65 | 1.90 | 2.25 | 2.55 |
| 11 | . 65 | 1.10 | 1.20 | 1.40 | 1.75 | 2.00 | 2.40 | 2.75 |
| 12 | . 70 | 1.15 | 1.25 | 1.50 | 1.85 | 2.15 | 2.55 | 2.90 |
| 13 | . 70 | 1.20 | 1.35 | 1.55 | 1.95 | 2.25 | 2.70 | 3.10 |
| 14 | . 75 | 1.25 | 1.40 | 1.65 | 2.05 | 2.40 | 2.85 | 3.25 |
| 15 | . 75 | 1.30 | 1.45 | 1.75 | 2.15 | 2.50 | 3.00 | 3.45 |
| 16 | . 75 | 1.35 | 1.55 | 1.80 | 2.25 | 2.60 | 3.15 | 3.60 |
| 17 | . 80 | 1.40 | 1.60 | 1.90 | 2.35 | 2.75 | 3.30 | 3.80 |
| 18 | . 80 | 1.45 | 1.65 | 1.95 | 2.45 | 2.85 | 3.45 | 4.00 |
| 19 | . 85 | 1.50 | 1.75 | 2.05 | 2.55 | 2.95 | 3.60 | 4.15 |
| 20 | . 85 | 1.55 | 1.80 | 2.10 | 2.65 | 3.10 | 3.75 | 4.35 |
| 21 | . 85 | 1.60 | 1.85 | 2.15 | 2.75 | 3.20 | 3.90 | 4.50 |
| 22 | . 90 | 1.65 | 1.90 | 2.25 | 2.80 | 3.30 | 4.05 | 4.70 |
| 23 | . 90 | 1.70 | 1.95 | 2.30 | 2.90 | 3.40 | 4.20 | 4.85 |
| 24 | . 95 | 1.75 | 2.00 | 2.35 | 3.00 | 3.55 | 4.35 | 5.00 |
| 25 | . 95 | 1.75 | 2.05 | 2.45 | 3.05 | 3.65 | 4.50 | 5.20 |
| 26 | . 95 | 1.80 | 2.05 | 2.50 | 3.15 | 3.75 | 4.65 | 5.35 |
| 27 | 1.00 | 1.85 | 2.10 | 2.55 | 3.25 | 3.90 | 4.80 | 5.55 |
| 28 | 1.00 | 1.90 | 2.15 | 2.60 | 3.35 | 4.00 | 4.90 | 5.70 |
| 29 | 1.05 | 1.90 | 2.20 | 2.70 | 3.40 | 4.10 | 5.05 | 5.90 |
| 30 | 1.05 | 1.95 | 2.25 | 2.75 | 3.50 | 4.20 | 5.20 | 6.05 |

Over 30 lbs . shipped truck or express. Full information in Catalog 280.

## TRUCK AND REA EXPRESS SHIPMENTS

See Allied's 1969 Catalog 280 or call your local transportation agent to determine approximate charges. Items with the suffix " $U$ " in Allied's stock no. will usually be shipped Express. Items with suffix "W" or "Z" are usually shipped by truck. Express charges usually include home delivery in cities and towns and, in some cases, to rural areas. Truck shipments to some areas may be subject to a residential delivery charge If you have any questions contact your local REA Express or truck agent




Save on Special ALLIED 355 45-Watt Stereo FM-AM-Phono System
Save ${ }^{5} 104.30$ \$ $2499^{95}$
Separately, $\$ 354.95$. Quality matched component system features the Allied 355 45-Watt Stereo FM-AM Receiver. Solid-state circuit has automatic stereo/mono FM switching, tape monitor. Metal case; order wood case below. Garrard SL55 4-Speed Automatic Turntable has Synchro-Lab motor, cuing, antiskate. With base. Empire 808E Stereo Cartridge has $15^{\circ} .0004 x .0009^{\prime \prime}$ elliptical diamond stylus. Two Allied 3015B Three-Way Acoustic Suspension Speaker Systems have $10^{\prime \prime}$ woofer, $5^{\prime \prime}$ midrange, and $31 / 2^{\prime}$ tweeter. Cables, hi-fi booklet. Shpg. wt., 87 lbs.
14 S 0202 D5U. \$19. Monthly................................ . . . 249.95
14 S 5003 RX. Oiled Walnut Wood Case. Shpg. wi.., 6 ibs..... 19.95


Our Lowest-Priced ALLIED 325 Stereo FM-AM-Phono System

$$
\underline{\text { Save }{ }^{5} 34.80}{ }^{\$} 129^{95}{ }_{\text {mombly }}^{\text {sin }}
$$

Separately, $\$ 164 . \sim 5$. Here's a fine stereo performance that will fit into the tightest budgets! System features Allied 325 15-watt Solid-State Stereo FM-AM Receiver with facilities for ceramic or crystal phono, tape, stereo headphone jack, with walnut case. Allied 480 Four-Speed Automatic Turntable mixes records of same speed. Also has automatic shutoff, lightweight pickup arm, dual synthetic sapphire ceramic stereo cartridge, Base. Allied 3002 Two-Way Walnut Speaker Systems have $8^{\prime \prime}$ woofer, $31 / 2^{\prime \prime}$ tweeter. With cables, hi-fi booklet. Shpg. wt., 68 Ibs.
14 S 0151 L5RU. 87 Monthly. . . . . . . . . . . . . . . . . . . . . . . . . . . 129.95
®. Save en ALLIED 355 45-Watt
Stereo FM-AM Receiver
Was 179.95. A spectacular value for the hi-fi fan whose budget is limited! Solid-state circuit has transformerless output for response of $\neq 1 \mathrm{~dB}, 20-$ $30,000 \mathrm{~Hz}$. Features automatic stereo/mono FM switching, stereo indicator light, precision tuning meter, tape monitor, and stereo headphone jack. Silken smooth fly wheel tuning makes tuning a dream! Also offers outstanding AM reception. Develops 45 watts IHF power. Five-transistor circuit protects output stage against shorts and overloads. Neo-prene-covered polarized plug-in speaker connectors. make speaker phasing easy and prevent accidental shorts. With metal case; optional wood case below. $5 \times 16 \times 12^{\prime \prime} .110-120$ V, 50-60 HA AC. Wt., 27 lbs. 14 S 5071 RU. 88 Monthly. . . . . . . . . . . . . . . . . 149.95 14 S 5003 RX. Walnut Wood Case. Wt., 6 ibs... 19.95

B Custem ALLIED 355 45-Watt Stereo FM-AM-Phono System
Separately, $\$ 434.25$. Specially selected system offers fine stereo performance at moderate cost. Features the Allied 355 45-W att Solid-State Stereo FM-AM Receiver. Has Schmidt automatic stereo/mono FM switching circuit, tape monitor, five-transistor output protection circuit, and metal case; order optional walnut case above. Garrard SL65 4-Speed Automatic Turntable has cuing, antiskate, Syn-chro-Lab motor. With Base. Empire 888E Stereo Cartridge has .0004x.0009* elliptical diamond stylus. Two Allied 3030B Three-Way Speaker Systems have $12^{*}$ woofer, $5^{\prime \prime}$ midrange, and $31 / 2^{\prime \prime}$ tweeter. Handsome oiled walnut veneer enclosure with matching grille cloth. With cables and hi-f booklet. Shpg. wt., 101 lbs.
14 S 0201 D5Z. S15 Monthly. . . . . . . . . . . . . . . 299.95
(C) Deluxe ALIIED 355 45-Watt

Stereo FM-AM-Phono System
Separately, \&85.25. Outstanding component system features the Allied 35545 -Watt Solid-State Stereo FM-AM Receiver with automatic stereo/mono FM switching eircuit, precision tuning meter, tape monitor, stereo headphone jack, and metal case; optional walnut wood case above. Garrard SL75 3Speed Automatic Turntable has cuing, antiskate, precision Synchro-Lab Motor. With Base. Pickering V15/ATE-3 Stereo Cartridge has . $0004 \times .0009^{\prime \prime}$ elliptical diamond stylus. Two Allied 2330A ThreeWay Speaker Systems have $12^{\prime \prime}$ woofer, $8^{\prime \prime}$ directradiator midrange, and $31 / 2^{\prime \prime}$ cone-type tweeter. Tweeter balance control at rear of enclosure. Stylish oiled walnut veneer wood enclosure. With cables and hi-fi booklet. Shpg. wt., 112 lbs. 14 S 0203 D5Z. 516 Monthly. .329 .95
(0) Budget-Priced ALLIED 325

Stereo FM-AM-Phene System
Separately, 5214.30 . A marvelous value which will delight your ears and your budget! Features the Allied 325 15-Watt Solid-State Stereo FM-AM Receiver with switchable AFC, provision for ceramic or crystal phono cartridge, tape inputs and outputs, tuning meter, stero indicator light, stereo headphone jack, and attractive walnut wood case. Garrard Model 30 4-Speed Automatic Turntable has automatic intermix, automatic shutoff. ceramic stereo cartridge with diamond stylus. With Base. Two Allied 3005A Three-Way Speaker Systems have powerful $10^{\prime \prime}$ woofer, $6^{*}$ direct-radiator midrange, and $31 / 2^{\prime \prime}$ cone-type tweeter. Sturdy $8 / 4^{\prime \prime}$ wood enclosure with beautiful walnut veneer finish. Cables and hi-fi book. Wt.. 77 lbs . 14S 0200 L5U. Sis Monthly. . . . . . . . . . . . . . . . . 159.95

4

## ALUED 355 Stereo Receiver

# 0.100110110 

B) Save $13430^{8} 299^{95}$


## Final Closeout! Save on ALLIED 65-Watt Stereo FM-AM Receiver . . Save Even More on a Complete System <br> Cut ${ }^{5} 30$ in our ALLIED 365 Stereo FM-AM Receiver

Christmas Book, Now Cut ${ }^{2} 20$ More

## ${ }^{8} 179{ }^{95}$

Was 8199.95 . Hurry, this is our final closeout sale of the Allied 65-watt solidstate stereo FM-AM receiver. Features Schmidt automatic stereo/mono FM switching circuit, switchable AFC, tuning meter with stereo indicator light. Delivers excellent stereo FM, and AM. Full-feature preamp has facilities for all music sources including tape monitor and tape equalization at $71 / 2$ and $33 / 4$ ips for transports without preamps. Also has loudness contour, mode/ monitor switch, high filter, speaker switch, and stereo headphone jack. Transformerless output assures full response of $\pm 1 \mathrm{~dB}, 20-50,000 \mathrm{~Hz}$. Polarized plug-in speaker connectors and 5 -transistor circuit protected output stage from shorts and overloads. Metal case. Takes optional wood case below. $5 \times 16 \times 12^{\prime \prime}$. For $110-120 \mathrm{~V}, 50-60 \mathrm{~Hz}$ AC. Japan. Shpg. wt., 28 lbs.
\$9 monthly

14 S 5072 U. 8.9 Monthly. 179.95

14 S 5003 RX. Oiled Walnut Wood Case. Shpg. wt., 6 lbs.
19.95


Superb 65-Watt Stereo FM-AM-Phono System with 365 Receiver
Separately, 5565.25 . Magnificent stereo at giant savings! Features Allied 365 65-watt Solid-State Stereo FM-AM Receiver with automatic stereo/ mono switching on FM, tape monitor, and metal case; takes optional wood case above. Garrard SL75 3-Speed Automatic Turntable has cuing, anti-skate. With Base. Empire 888VE Stereo Cartridge has $.0002 \times .0007^{\prime \prime}$ elliptical diamond stylus. Argos TX: 400 Three-Way Walnut Speaker Systems have $12^{\prime \prime}$ woofer, $8^{\prime \prime}$ closed-back midrange, horn loaded tweeter. Cables and hi-fi booklet. Shpg. wit., 109 lbs .399 .95 1450208 DSZ. $\$ 18$ Monthly..

## Deluxe 65-Watt Stereo FM-AM-Phono System with 365 Receiver

 Separately, $\$ 474.25$. Features the Allied 365 65-Watt Solid-State Stereo FM-AM Receiver with automatic stereo/mono switching, tape monitor and equalization switch, stereo headphone jack, and metal case; takes optional wood cable has cuing antiSkate. With Base. Pickering V15/ATE-3 Stereo Elliptical Cartridge has "Dustamatic" record brush. Allied 2330A 3-Way Walnut Speaker Systems have $12^{*}$ woofer, $8^{*}$ midrange, $31 / 2^{\prime \prime}$ tweeter. With cables, hi-fi booklet. Shpg. wt., 112 lbs.1450207 D5Z. $\$ 17$ Monthly.

# ALIIED 160-Watt Stereo Receiver . . Our Best! Praised in Review by "High-Fidelity" Magazine 

HIGH FIDELITY MAGAZINE (Feb. '69):" . . . tumer portion . . has a performance level which suggests much costlier equipment . offers features and performance dis tinctly better than average


## System with 395 Stereo Receiver <br> Separately, \$095.25. Widely acclaimed 395 SolidState Receiver has FETs, ICs, deluxe preamp, metal case; optional wood case below. Garrard SL95 3Speed Automatic Turntable has cuing an Stereo Synchro-Lab motor, Base. Empire 8 Walnut 3 - Way Elliptical Cartridge. Two Allied 2750 Wanno widrang Speaker Systems have $12^{\prime \prime}$ woofer, $3^{\prime \prime}$ weeter. Cables, hi-fi booklet. Shpg. wt., 13599 s. 14 5 0205 D5Z. s21 Monthly . . 6 ibs.......... 19.95 <br> 1455003 RX. Walnut Case. Wt., 6 libs........... 299.95 1455074 RU. 395 Receiver. Wt., 30 lbs....... <br> 1455003 RX. Walnut Case. Wt., 30 lbs......... 299.95 1455074 RU. 395 Receiver. Wt., <br> 1455003 RX. Walnut Case. Wt., 30 lbs......... 299.95 1455074 RU. 395 Receiver. Wt., <br> Superb 160-Watt FM-AM-Phono



## Custom 160-Watt FM-AM-Phono System with 395 Stereo Receiver

Separately, \$554.25. Outstanding component system Separately, 10 features the Allied FM-AM Receiver with FGTs, ICs, fape filters; takes multi-speaker food case above. Garrard SL65 4-Speed optional wood case a has cuing, antiskate, SynchroAutomatic Turntable has cuing, M93E Stereo CarLab motor. With Base, Shure Alical diamond stylus. tridge has 0002 x 00 m Three Way Walnut Speaker Systems have $12^{\prime \prime}$ woofer, $6^{\prime \prime}$ direct-radiator midSysteme, and $31 / 2^{\circ}$ cone-type tweeter. With cables range, and and hi-fi booklet. Shpg. wt., 104 lbs .

## Deluxe 160-Watt FM-AM-Phono System with 395 Stereo Receiver

Separately, $\$ 620 . \dot{25}$. Choice selection of components features the Allied 395 160-Watt Solid-State Stereo FM-AM Receiver with FET front-end, ICs in the IF gtrip, stereo headphone jack, tape monitor, AFC, IF strip, stereo hetal case; takes optional walnut wood case above. Garrard SL75 3-Speed Automatic Turntable has Garrard SLiskate, Synchro-Lab motor. With Base. cuing, antiskate, Synch tereo Cartridge has .0003 x no09" elliptical diamond stylus. Allied 2260 A Three-Way Walnut Speaker Systems have 12" Three-Way Wainut speaker $8^{\prime \prime}$ closed-back midrange, and $31 / 2^{\prime \prime}$ tweeter. woofer, 8 closed and hi-fi booklet. Shipg. wt., 129 lbs. 14 S 0204 D 5 Z . s20 Monthly.


Deluxe Dynamically Balanced Pickup Arm


Adjustable Anti Skating Control


Stylus Pressure Adjustment

BONUS ACCESSORIES

## only

 Plus Your Choice of Stereo Cartridge

Save $\$ 51.85 夕^{\prime} /$ ?


Empire 888 E Regularly $\$ 39.95$


Pickering V15/ATE-3 Regularly $\$ 39.95$


Shure M93E
Regularly $\$ 39.95$

## ALLIED Automatic Turntable Outfits


$\begin{array}{ccc}\text { YOU GET } & \text { Save } \\ \text { ALL THIS } \\ \$ 44.85\end{array} \$ 545$


Plus Your Choice of Stereo Cartridge


## ALLIED 929 Automatic <br> Turntable with All Accessories for \$1 More

- Full-Size Heavy Cast Balanced Platter
- Automatic Lock Secures Pickup Arm
- Easy-Mount Clip-In Cartridge Holder Separately, \$122.80. Package includes: Allied 929 Four-Speed Automatic Turntable, Deluxe Oiled Walnut Wood Base, Molded Styrene Dust Cover, plus Choice of Empire 888 E , Pickering V15/ATE-3, or Shure M93E Stereo Elliptical Cartridge. Allied automatic turntable has every important feature for the critical music lover.
Low-mass tubular aluminum arm. Precise cuing and pause control. Adjustable anti-skating compensation for better sound and maximum record and stylus protection. "Pon"' filter, muting. Automatic or manual operation. Flutter, less than $05 \%$; wow, less than $0.12 \%$ rms. 131/8×111/4". For 115 VAC. From England.
14 S 0130 RCD3U. Package. Specify Cartridge. Wt., 20 lbs .85 Monthly. 70.95 14 S 5429 RU. Allied 929 Tumtable Alone. Shpg. wt., 11 lbs.
69.95

14 S 5430 RX. Deluxe Oiled Walnut Wood Base Alone. Shpg. wt., 3 lbs. 7.95 14 S 5614 RX. Mounting Board. Shpg. wt., 2 lbs.. ....................... 1.95 14 S 5453 RX. Molded Styrene Dust Cover Alone. Shipg. wt., 5 lbs......... 4.95 14 S 5454 R. 45 -rpm Automatic Spindle. Shpg. wt., 12 oz .

## ALLIED 919 Automatic

Turnfable with All Accessories for \$5 More

- Low-Mass Arm with Automatic Lock
- Accurate Cuing, Anti-Skate Contral
- Manual or Fully Autamatic Operation

Separately, 899.80 . Package includes: Allied 919 Four-Speed Automatic Turntable, Oiled Walnut Wood Base, Molded Transparent Styrene Dust Cover, plus Your Choice of Empire 888E, Pickering V15/ATE-3, or Shure M93E Stereo Elliptical Cartridge. Allied's own feature-packed automatic turntable boasts low-mass pickup arm counter-balanced on friction-free ballbearings.
Resiliently mounted 4 -pole motor. "Pop" filter, muting switch. 2 spindles for playing record stacks automatically or singles manually. Clip-in cartridge holder. Flutter, less than $05 \%$; wow, less than $0.12 \%^{\mathrm{rms} .} 131 / 8 \times 11 /^{\prime \prime} .115$ VAC. England.
14 SOI31RCD3U. Package. Specify Cariridge. Wt., 18 lbs .85 Mmuhly. 54.95 14 S 5459 RX. Allied 919 Turntable Alone. Shpg. wt., $91 / 2$ lbs.
49.95

14 S 5450 RX. Oiled Walnut Wood Base Alone. Shpg. wt., 3 lbs............ 4.95 14 S 5614 RX. Mounting Board. Shpg. wt., 2 lbs........................ 1.95 14 S 5453 RX. Molded Styrene Dust Cover Alone. Shpg. wt., 5 llis........ 4.95 14 S 5454 R. 45 -rpm Automatic Spindle. Shpg. wt., 12 oz .

## ALIIED 32-Watt Stereo Amplifier or FM-AM Tuner with Money-Saving Offer!



## BUY THE AMPLIFIER OR TUNER AND GET THIS OILED WALNUT WOOD CASE FOR



Save s 11.95
only $\$ 1$ more
You get this Deluxe Oiled Walnut Wood Case, regularly $\$ 12.95$, for only $\$ 1.00$ more when you buy either the Allied 935 Stereo Amplifier or 285 Stereo FM-AM Tuner


## © ALLIED Model 935 32-Watt Stereo Amplifier

Alone<br>$\$ 69^{95}$<br>With Wood Case

Powerful 64-watt peak music power for thrilling stereo from any music source. Wide array of imputs and controls; 8, 16-ohm speaker outputs; stereo headphone jack. Tape monitor. Dual concentric volume coutrol adjusts channels together or separately. Response, $\pm 2 \mathrm{~dB}, 20-30,000 \mathrm{~Hz}$. Handsome $3 /$ rin $^{\prime \prime}$ aluminum front panel has Sierra Gold finish. 7 tubes, 4 diodes. $43 / 4 \times 133 / 4 \times 93 / 4 *$ For 110-127 $\mathbf{V}, 60 \mathrm{~Hz}$ AC. With deluxe oiled walnut wood case. Japan. 27 lbs. 14 S 0336 t2U. \& Monthly ..... 70.95 14 S 5525 RU. Allied 935 Amplifier. With metal case. Wt., 22 lbs... 69.95

## B ALLIED Model 285 Stereo FM-AM Tuner

Alone<br>\$7995<br>With Wood Case

Perfect partner for the 935, at left. Features 3 IF stages, limiter and ratio detector for outstanding stereo and mono FM. Extra-clear AM too. Timeswitching multiplex circuit. Illuminated dial, tuning meter. Switchable AFC. Response, $\pm 1 \mathrm{~dB}, 20-20,000 \mathrm{~Hz}$. Sensitivity: $2.5 \mu \mathrm{v}$ for 20 dB quieting. Separation, 30 dB . Ferrite rod AM antenna, FM dipole antenna. Sierra Gold panel. 9 tubes. $43 / 4 \times 133 / 4 \times 93^{\circ}{ }^{\circ}$. With wood case bonus. For $110-127$ VAC. Japan. Shpg. wt., 25 lbs . 14 S 0337 L 2 U . si Monthly.
80.95

14 S 5526 RU. Allied 285 FM-AM Tuner. With metal case. Wt.. $20 \mathrm{lbs} . . .79 .95$

## Save ${ }^{5} 61.85$

## HERE'S WHAT YOU GET

## Big Savings on New Garrard Turntable Package Offers


"Power-Matic" Base


Dust Cover
${ }_{\mathrm{THIS}}^{\mathrm{ALH}} \$ 149^{50}$ $\$ 8$ monthly

## Save ${ }^{\$ 56.85}$

## HERE'S WHAT YOU GET <br>  <br> Garrard SL75 <br>  <br> Dust Cover <br> ALL $\$ 12 \angle 50$ $\$ 7$ monthly

## Garrard SL95 Automatic Turntable Package Offer

## Save ${ }^{\text {s }} 61.85$ <br> ${ }^{\$} 149^{50}$ <br> \$8 monthly

Garrard SL95 Automatic Turntable . . . . . . . \$129.50
8-2P Deluxe "Power-Matic" Base. . . . . . . . 15.95
Dust Cover. . . . . . ...................... . . . . 5.95
Empire 888VE Stereo Elliptical Cartridge.. 59.95
TOTAL $\$ 211.35$
Outfil Price $\quad 149.50$
YOU SAVE $\$ 61.85$
This magnificent automatic turntable is Garrard's crowning achievement. It is the choice of many hi-fi connoisseurs. Has every deluxe feature to satisfy the audiophile.
Synchro-Lab motor assures smooth, perfectly constant speed. Heavy platter. Dynamically balanced, ultra-lightweight pickup arm; adjustable counterweight; sliding-weight anti-skating control; stylus force dial. Automatie rise safety record platform. Combined manual cuing and pause control; gimballed needle pivots.
Plays up to six records automatically or manually. $331 / 3,45,78 \mathrm{rpm} .15^{18} / 16 \times 145 / 8^{\prime \prime}$. Req. $43 / 8^{\prime \prime}$ above, 3 below mtg. board. With power-matic base, dust cover, Enipire 888 VE cartridge. 117 VAC. England. Shpg. wt., 26 lbs. 13 S 0905 D3U. \&8 Monthly. .
149.50

## Garrard SL75 Automatic Turntable Package Offer

Save ${ }^{\text {s }} 56.85$<br>\section*{$\$ 124^{50}$}<br>\$7 monthly

Garrard SL75 Automatic Turntable........ $\$ 109.50$
B-2 Deluxe Base. . . . . . . . . . . . . . . . . . . . . 5.95
Dust Cover . . . . . . . . . . . . . . . . . . . . . . . . 5.95
Empire 888VE Deluxe Elliptical Cartridge.. $\quad 59.95$ TOTAL $\$ 181.35$ Outfit Price 124.50 YOU SAVE $\$ 56.85$

Deluxe automatic turntable features the power and ruggedness of the Synchro-Lab motor for perfect speed accuracy-actually within $\pm 0.3 \%$. Twin-braced low-mass pickup arm, adjustable counterweight, stylus force assembly, antiskating control, full $12^{\prime \prime}$ turntable. Easy-to-use combined speed and record size selector; combined manual and cuing controls.
Plays up to six records automatically or operates manually. Speeds: $331 / 3,45$, and 78 rpm . "AutoRise" platform telescopes out of way during single play. Size, $161 / 6_{6} \times 1496^{\circ}$. Requires $43 / 8^{\circ}$ above, $3^{\prime \prime}$ below mtg. board.
Complete with deluxe base, dust cover, and Empire 888VE Deluxe Stereo Elliptical Cartridge. For $110-120$ volts. 60 Hz AC . From England. Shpg. wt., 24 lbs.
13 S 0904 D3U. \$7 Monthly.
124.50


## Garrard SL65 Turntable and Stereo Cartridge

With Save Up to 829.94 . Synchro-Lab motor, cuing Elliptical \$7951 and pause control, stylus pressure adjustment.

Cortridge $\int$
 anti-skate. Automatic or manual. 4-speed. $151 / 98131 / 8{ }^{\prime \prime}$. Choice of 808E. V15/ACE-3, or M32E stereo cartridge. 115 VAC. Order base Sl65 S7050 Save with Deluxe Elliptical Cartridge \$5 $\$$
.79 .51
St65 $\$ 79501350080$ RCDU. Specify Cartridge. 13 lbs. 84.50
Alone 13 S 3063 RU. SL65 Alone. \$5 Monthly... . 79.50


## Garrard 40 MK II Turntable and Stereo Gartridge

With Save Up to $\$ 24.94$. Counterbalanced arm,


## With


$40 M \times 11 \$ 450$
Alone
$\$ 44^{50}$
0 Sa $p$ to \$24.95. 808E, V15/ACE-3, M32E. 13 S 0002 RCDX. Specify Cartridge. 11 lbs. 49.50
13 S 3164 RX. 40 MK $\|$ Alone. $\$ 5$ M onthly. 44.50

## GENUINE GARRARD ACCESSORIES

Bases have accessory trays. Molded of simulated pin-seal leather and ebony, black with silver trim. Provision for easy mounting of slides if desired. "Power-Matic" bases turn off amplifier or receiver after last record has played. Dust covers are clear molded styrene, slide into place, and tilt up for loading or adjusting turntable. Can be left in place while playing.

| Stock No. | Typu | Deecription | Lbs. | EACH |
| :---: | :---: | :---: | :---: | :---: |
| 1353275 RX | B-1 | Base for SL65. SLS5. 40 MK 1 I | 5 | 4.95 |
| 13 S 3276 RX | B-2 | Base for SL95, SL, 75 |  | 5.95 |
| 13 S 3279 RX | B-1P | Like B-1 but "Power-Matic" | 7 | 14.95 |
| 13 S 3283 RX | B-2P | Like B-2 but "Power-Matic" | 8 | 15.95 |
| 13 S 3290 RX | D-1 | Dust cover for B-1. B-1P bases | 5 | 4.95 |
| 13 S 3291 Rx | D-2 | Dust cover for B-2. B-2P bases | 5 | 5.95 |
| 1353087 R | LRS20 | $45-\mathrm{rpm}$ automatic spindle for SL65. SLS5, 40 MK 11 | 1/2 | 3.80 |
| 1353076 R | LRS25 | $45-\mathrm{rpm}$ automatic spindle for SL,95, SL75 | $1 / 2$ | 3.80 |

## ALLIED EXCLUSIVE Special Purchase!

## EMPIRE


$\$ 144^{88}$ si
monthly

398C Turnfable with 999VE Stereo Cartridge

\$15988 $\$ 8$ monthly

## 398C Turntable with Base, Choice of Cartridge

Update Your Present Stereo System with Either of These Quality CombinationsProfessional Turntable, Walnut Base, Deluxe Stereo Elliptical Cartridge

Deluxe Empire professional turntable with your choice of a superb stereo elliptical cartridge. Turntable features hysteresis-synchronous motor with rumble-free belt drive, balanced $6-\mathrm{lb}$. machined platter. Top-of-plate belt positioning for accurate $331 / 3,45$ and 78 rpm speeds. "Dyna-Lift" raises pickup arm at end of record. Balanced arm boasts free suspension for perfect tracking at lowest pressure. Tracking adjustable, 0-8 grams. Flutter/wow, less than $0.05 \%$. Rumble, better than -65 dB . With $45-\mathrm{rpm}$ adapter, rubber mat, walnut base.

398C with Empire 888VE. Lowerpriced version of 999VE. .0002x $.0007^{*}$ elliptical diamond stylus. $6-32,000 \mathrm{~Hz}$. Output, 5.0 mV per channel. Separation, 30 dB . Compliance, $30 \times 10^{-6} \mathrm{~cm} /$ dyne. Tracks $1 / 2$ to $13 / 4$ grams. Shpg. wt., 28 lbs. 13 S 0443 DU. $398 \mathrm{C}, 888 \mathrm{VE}$. . . 144.8 B 398 C wih Empire 999VE. Empire's finest stereo elliptical cartridge! $.0002 x .0007$ " diamond stylus. 6$35,000 \mathrm{~Hz}$. Output, $5.0 \mathrm{mV} / \mathrm{ch}$. Compliance, $30 \times 10^{-6} \mathrm{~cm}$ /dyne. Separation, 30 dB . Tracks $1 / 2$ to $11 / 2$ grams. Shpg. wt., 28 lbs. 13 S 0004 DU. 398 C , $999 \mathrm{VE} . . . .159 .88$

## EMPIRE 980A-G Pickup Arm with Deluxe 999VE Stereo Cartridge

Save
${ }^{8} 34.95$
$\$ 99^{95}$

Separately, \$134.90. Connossieur's bargain-superhy balanced $12^{\prime \prime}$ pickup arm plus Empire's fiuest stereo elliptical cartridge! Pickup arm has antiskate control; overhang adjustment. Tracking error, $\pm 0.650 \%$. Arm resonance, 6 Hz . Tracking force, 0 to 8 grams. Rich satin-gold finish. With Empire 999 V E Stereo Elliptical Cartridge. Shpg. wt., $51 / 2 \mathrm{lbs}$. 13 S 0902 DX. $\$ 5$ Monthly.
99.95 13 S 2325 RX. 980A.G Pickup Arm Alone. 5 lbs... 59.95

## EMPIRE

## Cartridge Sale


$\$ 19^{95}$
Tracks from $1 / 2$ to 3 Grams

Super-elliptical stereo cartridge at an outstanding low price. For finest nianual and automatic turntables. $15^{\circ}, .0007 \times .0003^{\circ}$ diamond stylus. Response, $6-32,000 \mathrm{~Hz}$. Compliance, $25 \times 10^{-6} \mathrm{~cm} /$ dyne. Channel separation, 30 dB . Tracks from $1 / 2$ to 3 grams. Shpg. wt., 4 oz. 13 S 3991 RS. 55 Monthly. . . 19.95

## 880P Deluxe Conical Stereo Cartridge



## $\$ 13^{95}$

Tracks from $1 / 2$ to 4 Grams
Remarkable value in a top-quality magnetic stereo cartridge for use with automatic or manual turntables. Hand-polished $15^{\circ}$, $0006^{\prime \prime}$ conical-tip diamond stylus. Response, $10-28,000 \mathrm{~Hz}$. Compliance, $30 \times 10^{-6} \mathrm{~cm} /$ dyne. Stereo channel separation, 30 dB . Tracks from $1 / 2$ to 4 grams. Shpg. wt., 4 oz . 1353903 S .
13.95

808 Conical-Tip Stereo Cartridge


Save
an
Extra
s4.00

$\$ 995$<br>Tracks from 1 to 5 Grams

Wras \$13.95. Conical-tip stereo cartridge boasts fine performance at a low price. For manual or automatic turntables. $-0007^{*}$ diamond stylus. Response, $15-20,000 \mathrm{~Hz}$. Output, 8.0 mV per channel. Compliance, $8 \times 10^{-6} \mathrm{~cm} /$ dyne. Stereo channel separation, 30 dB . Tracks from 1 to 5 grams. Shpg. wt., 4 oz. 13 S 3982 RS.


## Dual 1019 Turntable Outfit

Dual 1019 Automatic Turntable
.$\$ 139.50$
W893 Deluxe Oiled Walnut Base................ 12.95
DC3 Dust Cover. . . . . . . . . . . . . . . . . . . . . . . . . . . 9.95
Empire 888VE Stereo Elliptical Catridge..........
59.95

TOTAL. ..... $\$ 222.35$
Ouffir Price 159.50
Save ${ }^{s} 62.85$
YOU SAVE $\$ \mathbf{6 2 . 8 5}$
$\$ 159^{50}$..n

- Trocks Low As $1_{2}$-Gram
- Adiustable Counterweight
- Balanced $71 / 2-1 \mathrm{l}$. Platter

Dual's finest turntable. Automatic or manual operation. 4-speed continuous pole motor, $6 \%$ vari-pitch range, Precisiou cuing. Anti-skate. $123 / 4 \times 10^{8} 4^{\prime \prime}$. With deluxe base, dust cover and Empire 888 VE Stereo Elliptical Cartridge. 117 VAC. West Germany. 13 S 0938 D3U. Wt., 32 lbs. 58 Monthly.
159.50


## BSR McDonald 600 Turntable Outfit



Automatic or manual operation. Four speeds. Low-mass tubular aluminum piokup arm. Anti-skate. "Pop" muting. Automatic shutof. 131/8×11 $1^{\prime \prime}$ ". Req. $4^{\prime \prime}$ above, $21 / 2^{\prime}$ below matg. board. With base, dust cover, and Shure M44E Stereo cartridge 115 VAC. England. 13 S 0907 D3U. Wt., 19 lbs. 6 Monthly.


## Miracord PW50H Turnfable Ouffit

Miracord PW 50H Automatic Turntable............\$149.50
RB2A Walnut Base . . . . . . . . . . . . . . . . . . . . . . . . . . . 6.95
PC. 600 Power Attachment. . . . . . . . . . . . . . . . . . . . 8.95
DC. 3 Dust Cover. . . . . . . . . . . . . . . . . . . . . . . . . . . . . 5.95

Empire 888VE Stereo Elliptical Cartridge.......... 59.95
TOTAL...... $\$ 231.30$

$\$ 164^{50}$.
monthly - Balanced 6-lb. Platter
Manual, semi-automatic and automatic operation. $1 / 2$ gram tracking. Bulance indicator. 4 speeds. $141 / 2^{2} \times 121 / 2$. Req. $51 / 8^{\prime \prime}$ above, $34^{\circ}$ below, $2^{\prime \prime}$ to right of mtg. brd. With walnut base, power attachment, dust eover, and Empire 888 VE Cartridge, 115 VAC. W. Germany. 13 S 0440 D4U. Wt., 36 lbs. $\$ 9$ Monthly..
164.50


## Miracord 620 Turntable Outfit

Miracord 620 Automatic Turntable. ..... $\$ 89.50$
RB3 Deluxe Walnut Wood Base. ..... 6.95
DC-3 Dust Cover. ..... 5.95Pickering XVI5/AME Stereo Elliptical Cartridge .. $\frac{49.95}{\$ 152.35}$
Save ${ }^{\mathbf{3}} \mathbf{4 7 . 8 5}$ Ouffit Price $\quad 104.50$ YOU SAVE $\$ 47.85$
$\$ 104^{50}$ ..... $\$ 6$

- Pushbution Operation
- Feather-Touch Cuing

Four-speed turntable boasts pushbution operation cuing. Automatic or manual operation. $133 / 8 \times 115 / 8^{\prime \prime}$. Req. $5 \frac{5}{8}$ " above, $3^{\prime \prime}$ below mtg. board. With base, dust cover, Pickering XV15/AME Stereo Elliptical Cartridge. For 115 VAC. W. Germany. 13 S 0906 D3U. Wt., 14 libs. 56 Monthly.
104.50

## Amaze your friends with music displayed in color with Eico's Color Organ Kit



## Kit Form <br> $\$ 49^{95}$

- Spectacular Light Display Follows Frequency and Volume of the Music
- Solid-State Círcuits for No Adverse Effect on Sound Quality

Model 3440. Delight your friends and treat yourself to the thrill of "seeing" your favorite music displayed in beautiful color! Solid-state color organ kit connects, in seconds, to the speaker leads of any hi-fi, guitar amplifier, or tape recorder. Use two 3440's, one for each channel of your stereo system. Intensity of the color patterns changes with the frequency and volume of the music. Volume control assures full performanee with any power input level. Solid-state circuit has no effect on sound quality. Has shatterproof plastic $9 \times 14^{* *}$ sereen. Walnut-grain wood cabinet, $10 \times 15 \times 6^{\prime \prime}$. Instructions. For 115 VAC. Shpg. wt., 12 lbs.

## New! Shure "Solo-Phone" Stereo Outfit



Sexarately, 8164.75 . Perfect 3-piece outfit for apartment dwellers or cost-conscious music buffs! Features Shure "Solo-Phone" Solid-State Stereo Headphone Amplifier with volume control, input switch, and walnut case. Allied 919 4-Speed Automatic Turntable has cuing, antiskate, Base and Dust Cover, Shure M93E Stereo Elliptical Cartridge. Allied H876 Stereo Headphones have soft polyfoam earcushions with adjustable headband, $8^{\prime}$ cord, $1 / 4^{\prime \prime}$ plug. 115 VAC. Shpg. wt., 24 lbs. 13 S 0942 D5U. 86 Monthly.
109.95


## Hew! Deluxe Pioneer PL-25 Manual Turntable with Cartridge Bonus

PL-25<br>With Elliptical<br>Alone Stereo Cartridge<br>With Deluxe $\$ 119^{95} \quad \$ 119^{96} \quad \$ 124^{95}$

Save $\$ 39.94$. Boasts cuing lever, plus Auto-Cut lever which raises pickup arm and returns it to rest, then shuts off motor automatically. 4-pole synchronous motor for inaudible flutter and wow of under $0.12 \%$. End-ofrecord automatic shutoff, too. Tracks at $2-4$ grams. $331 / 3,45 \mathrm{rpm}$. Choose 888 VE , V15/ATE-3 or M93E Stereo Elliptical Cartridge above. Walnut base, dust cover, 45 -rpin adapter. $61 / 2 \times 17^{5} 16 \times 13^{13} / 16^{*}$. Universal motor for $110 / 220 \mathrm{~V}, 50 / 60 \mathrm{~Hz} \mathrm{AC}$. Japan. $163 / 4 \mathrm{lbs}$. 1350917 CDU. Specify Cartridge. 86 Monthly.... 119.96 13 S 0918 CDU. PL-25 with Deluxe Elliptical Cartridge for $\$ 5$ more. Save $\$ 44.95$. Empire 888TE, Pickering XV15/AME or Shure M91E—specify. F7 Monthly 124.95 13 S 2067 U. PL-25 Alone. 86 Monthly.
119.95

## AR "XA" Turntable Outfit and Cartridge



Save Up to \$24.94. Superb manual turntable features $31 / 2-$ lb. aluminum platter driven by synchronous motor for extremely low flutter and wow. Viscous-damped $12^{\prime \prime}$ arm. Figid I-beam mounting of arm and turntable assures inaudible rumble. $331 / 3,45 \mathrm{rpm}$ belt drive. Choose Empire 888 , Pick-e-ing V15/AC-3 or Shure M75-6 Stereo Cartridge. With stylus force gauge, cartridge shell, turntable pad, dust cover, and wainut base. $51 / 4 \times 163 / 4 \times 121 / 2^{\prime \prime} .115$ VAC. 201 lbs. 13 S 0066 CDU. Specify Cartridge. \&5 Monihiy. ........ 78.01 13 S 0309 CDU. Sare $\$ 39.95$. AR "XA" Outfit with Elliptical Cortridge for $\$ 10$ More. Empire 888 TE, Pickering XV15/ AME-specify. Shgp. wt., 20 lbs. $\$ 5$ Monehly. 88.00 13 S 3119 RU. AR "XA" Alone. 20 lbs . 5 Monthly.
78.00

## Half-Price Sale on ADC Cartridges

 GOOD 220 Gonical-Tip Stereo Cartridge

Save ${ }^{s} 9.75$
$\$ 975$
Was $\$ 19.50$. Good-quality stereo cartridge for use with manual or automatic turntables. Offers top performance and dependability at a low price. Features $15^{\circ}$, $.0007^{\prime \prime}$ conical-tip diamond stylus. Response is a full $10-18,000 \mathrm{~Hz}$. Compliance, $15 \times 10^{-6} \mathrm{~cm} /$ dyne. Stereo channel separation, 20 dB . Tracks from 2 to 5 grams. Shpg. wt., 4 oz. 13 S 3967 RS.

BETTER 990E Elliptical Stereo Cartridge


Save ${ }^{\$ 14.75}$ $\$ 14^{75}$

Fas \$29.50. Super-value stereo cartridge provides exceptional trackability for distortion-free music. $15^{\circ}$, $.0003 \times .0007^{\prime \prime}$ elliptical diamond stylus. Frequency response, $10-18,000 \mathrm{~Hz}$. Compliance, $18 \times 10^{-6} \mathrm{~cm} /$ dyne. Stereo channel separation, 20 dB . Tracks $11 / 2$ to 4 grams for use with betterquality automatic or manual turntables. Wt., 4 oz. 13 S 3840 RS.

BEST 550E Elliptical Stereo Cartridge


Save ${ }^{\text {s }} 24.75$ $\$ 24^{75}$

Whas 849.50. Deluxe elliptical stereo cartridge features "induced magnet" for minimum distortion and record wear. For use with finest manual and automatic turntables. $15^{\circ} .0003 x$ $.0007^{*}$ elliptical diamond stylus. Response, $10-20,000$ Hs. Compliance, $28 \times 10^{-6}$ cm/dyne. Stereo channel separation, 30 dB . Tracks $3 / 4$ to $21 / 2$ grams. Wt., 4 oz . 13 S 3833 RS........... 24.75


Model 25 ThreeStylus Stereo Cartridge System $\$ 100^{00}$.s.mp

Perfectionist's outfit with interchangeable styli. Designed for optimum trackability with the varied reoord grooving procedures in use. Automatic magneticstylus positioning-no plug-in required. Response, *2 dB, 10-24,000 Hz . Separation, 30 dB . Tracks $1 / 2-1 \frac{1}{4}$ grams. Shpg. wit.; 6 oz . 1353812 S .
100.00

## Special Sale on Famous Shure and Pickering Cartridges

## Shure M44E

Was R34.50. Has .0004x $.0007^{\circ}$ elliptical diamond stylus. Response, $20-20,000$ Hz . Separation, 25 dB . Tracks from $13 / 4$ to 4 grams. Shpg. wt., 6 oz .
13 S 3887 RS .
19.50

## Pickering VI5/AME-2

Deluse elliptical cartridge at a low price. $15^{\circ}, .0003 x$ $.0009^{\circ}$ diamond stylus. 20 $20,000 \mathrm{~Hz}$. Compliance, 9 x $10^{-6} \mathrm{~cm}$ /dyne, Separation, $35 \mathrm{~dB} \frac{3}{4}$ to $11 / 2$ grams. 13 S $3895^{\text {RS. }} 3$ oz...... 14.95

Pickering VI5/AT-2
Conical-tip cartridge with $.0007^{\prime \prime}$ diamond stylus. Response, $20-20,000 \mathrm{~Hz}$. Stereo channel separation, 35 dB . Tracks from 1-5 grams. Shpg. wt., 3 oz . 13 S 3963 S.
10.88

## Shure M3D

Was \$9.95. Popular cartridge at a reduced price. $.0007^{\prime \prime}$ conical-tip diamond stylus. $20-15,000 \mathrm{~Hz} .20 \mathrm{~dB}$ separation. Tracks from 36 grams. Shpg. wt., 3 oz .
13 S 3900 RS.

## Save \$15.00 <br> ${ }^{8} 19{ }^{50}$ <br> 

## Repeat Sale

 ${ }^{8} 14^{95}$

## Special Purchase <br> ${ }^{5} 10^{88}$

Save
$\$ 1.47$
$\$ 8^{48}$

## Bonus Sale! Extra Stylus Only $\$ 1$ More



Save s29.00 XV/15-750E with Bonus ${ }^{\$} 6100$
[A] Pickering XV-15/750E Elliptical Cortridge with Extra Diamond Stylus. Separately, $\$ 90.00$. Has 15 , . 0002x.0009" stylus. $10-25,000 \mathrm{~Hz}$. Separation, 35 dB . Tracks $1 / 2-1 \mathrm{gram}$. Brush. 13 S 0903 L2S. Wt., 4 oz. 85 Month ly. 61.00 13 \$ 3851 RS. Less Spare Stylus. 3 oz. 60.00 13 S 3813 S . Extra Stylus Alone. $1 \mathrm{oz} . . . . . .30 .00$
(B) Pickering V15/ATE-3 Elliplical Cartridge with Extra Diamond Stylus. Separately, 868.45 . Has $0004 x .0009^{*}$ diamond stylus. $10-23,000 \mathrm{~Hz}_{z} 32$ dB sep. 2-5 grams. Brush.
13 S 0901 L2S. Wt., 4 oz. S5 Monthly . . . . 40.95
13 S 3892 RS. Less Sp care Stylus. 3 oz .......... 39.95 13 S 3306 RS. Extra Stylus Alone. 1 oz. . . . . . 22.50
C Shure M32E Elliptical Cariridge with Extra Diamond Stylus. Separately, $\$ 44.00$. Has .0004x $0007^{\circ}$ diamond stylus. $20-17,500 \mathrm{~Hz} .20 \mathrm{~dB}$ separation. Tracks from $2-5$ grams. 13 S 0900 L2S. Wt., 4 oz. 55 Monthly. 13 S 0900 L2S. Wt., 4 oz. \$5 Monthly ...... 30.50 13 S 3318 RS. Extro Stylus Alone. 1 oz.
29.50

## Lowest Price Ever!

SHERWOOD S-7800

- Tremendous 140-Watt IHF Output with Almost Unmeasurable Distortion
- Boasts Integrated Circuits in FM Circuit for Unsurpassed Performance
- Field Effect Transistors in RF and Mixer Circuits for Super Sensitivity
- Between-Station Muting for Quiet Tuning
- All Silicon Transistor Circuit Assures Cleaner Sound plus High Reliability
- Front Panel Preamp Level Adjustments
- Direct Tape Monitoring Facilities
- Front Panel Stereo Headphone Jack
- Instant Output Overload Protection


# Deluxe Sherwood 140-Watt Stereo FM-AM Receiver 

## Save ${ }^{\$ 100.00}$ <br> \$31950

Was $\$ 19.60$. Superb solid-state receiver features latest circuits, flexible controls, and tremendous power wrapped in luxurious styling which will grace anybody's bookshelf. Has field-effect transistors in RF and mixer stages plus new "MicroCircuits" for beautiful stereo and mono FM, and AM. Also has tuning ineter, stereo indicator light, tape monitor, main/remote speaker switches, stereo headphone jack, front panel preamp level adjustments, and output overload protection. Response: $\pm 1,2 \mathrm{~dB}, 20-20,000 \mathrm{~Hz}$. FM Sensitivity: $1.8 \mu \mathrm{~V}$ IHF. Capture Ratio: 2.0 dB . Size, $41 / 2 \times 161 / 2 \times 14^{\prime \prime}$. For 117 VAC. Takes optional case below. Shipg. wt., 27 lbs.
1352447 RU. $\$ 16$ Monthly.
319.50

13 S 2475 RX. Walnut Wood Grain Metal Case, Wt., 8 Ibs... 9.00
13 S 2429 RX. Oiled Walnut Wood Case. Wt., 8 lbs........... 28.00


Extra Savings on 140-Watt Systems

## Deluxe Stereo FM-AM-Phono System

## Save ${ }^{s} 218.80{ }^{\$ 189}{ }^{9} 9$

[^1]
## Superb Stereo FM-AM-Phono System Save ${ }^{\text {s } 250.80 ~}{ }^{\$ 56995}$

Separately, 880.75. Powerful system features Sherwood S-7800 140-watt Stereo FM-AM Receiver with silicon transistors, FET's, "Micro-Circuits", and preamp level controls. Takes optional case above. Garrard SL95 3-speed Automatic Turntable has cuing, antiskate, Synchro-Lab motor, Base, Dust Cover. Empire 888VE Stereo Elliptical Cartridge. Goodmans G-10 3-Way Acoustic-Suspension Speaker Systems have $12^{\prime \prime}$ woofer, $6^{\prime \prime}$ midrange. $31 / 2^{\prime \prime}$ tweeter. Walmut. Cables, hi-fi book. Shpg. wt., 129 liss. 13 S 0908 D6Z. siz Monthly.

# Huge Savings on Electro-Voice 65-Watt Stereo FM Receiver 

## Save ${ }^{888.05}$ <br> ${ }^{8} 1499^{95}$

Was s238.00. Deluxe stereo receiver features advanced solidstate design, rakish low-silhouette styling, and full 65-watt IHF power output, plus big $\$ 88.05$ savings! Precision zerocenter meter assures perfect FM tuning; also has stereo indicator light. Convenient color-coded indicator lights show at a glance which program source is in operation. Front panel stereo headphone jack and speaker muting switch for glorious stereo music in perfect privacy. Inputs: magnetic phono, auxiliary, and tape. Outputs: 4-16 ohms, headphones, and tape. Output Power: 65 watts IHF. Response: $\pm 1.5 \mathrm{~dB}, 20-20,000 \mathrm{~Hz}$. Sensitivity: $2 \mu \mathrm{VIHF}$. Metal case with walnut veneer finished end panels. Size, $33 / 8 \times 153 / 4 \times 101 / 4^{\prime \prime}$ deep. For $110-130 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., 17 lbs.
13 S 2746 U. $\$ 8$ Monthly. . . . . . . . . . . . . . . . . . . . . . . . . . . . . 149.95

## ELECTRO-VOICE 1271

- Pawerful 65. Watt IHF Output Sufficient to Drive Any Speaker Systems
- Advanced Modular Circuir Design
- Low-Silhauette Styling- $33 / 8^{\text {" }}$ High
- Luxurious Walnut-Veneer-Finished End Panels for That Custom-Built Look
- Razor-Sharp $2 \mu \mathrm{~V}$ IHF Sensitivity
- Zero-Center Tuning Meter Assures Perfect FM Tuning
- Front Panel Stereo Headphone Jack
- Preamp Facilities for Every Music Source
- Color-Coded Lights Indicare Program


Low-Cost Stereo FM-Phono System

## Save ${ }^{\$ 157.75}{ }^{\$ 249}{ }^{95}$

Separately, N:407.70. Another outstanding value! Features E-V1277 65-Watt Solid-State Stereo FM Receiver with full preamp facilities and walnut-finished end panels. Metal case. Allied 919 4-Sjeed Automatic Turutable has cuing, antiskate, stylus force adjustment, Base and Dust Cover. Pickering V15/ACE-3 Stereo Cartridge has elliptical diamond stylus. Two Allied 3005A Three-Way Speaker Systems have $10^{\circ}$ wooter, $6^{\prime \prime}$ midrange, $31,2^{\circ}$ tweeter. Walnut. Cables, hi-fi booklet. Shpg. Wt., 76 lbs. 13 S 0914 D6U. S18 Monthly.

## Deluxe Stereo FM-Phono System

## Save ${ }^{5007.30}{ }^{\$} 319^{95}$


#### Abstract

Separaty, 5027.25 . Superb value at a budget price! Features E-V1277 65-Watt Stereo FM Receiver with deluxe preamp, color-coded indicator lights, and walnutfinished end panels. Metal case. Garrard SL65 4-Speed Automatic Turntable has Synchro-Lah motor, cuing, antiskate. Base and Dust Cover. Shure M93E Stereo Cartridge has elliptical diamond stylus. Argos TX-4 Walnut 3-Way Speaker Systems have $12^{\prime \prime}$ Jensen woofer, $8^{\prime \prime}$ midrange, $31 / 2^{\prime \prime}$ tweeter. Cables, hi-fi hooklet. Shpg. wt., 981 bs . 13 S $09 \| 1$ D6U. $\$ 16$ Monthly. .319 .95


## NEW <br> Latest SCOTT Stereo FM Receiver

 \$25995 $\$ 13$ monthly Has Most Recent Advances in Solid-State Design

## DELUXE FEATURES

- Silver-Plated FET Front-End
- Integrated Circuil IF Strip
- Integrated Circuit Preamp for Inaudible Distortion
- FET Tone Controls Allow Wider

Range on Tone Compensation

- All-Silicon Output Circuits
- Quortz Filter in the IF Strip
- "Wire-Wrap" Bonded Connections


## Advanced Scott 342C 100-Watt Stereo FM Receiver

Exciting features for superb performance. Integrated circuit multiplex section for superior stereo separation. Quartz crystal lattice filter in IF strip never needs realignment. Full Complementary Output with all-silicon output transistors assures undistorted power at 4 or 8 ohms, and at audio frequency extremes. Wire-wrap permanent bonded connections eliminate solder connections. Plug-in PC modules. Perfectune® automatic tuning light. Tuning meter, stereo indicator light, muting, tape monitor, loudness contour, speaker switches, plug-in speaker connectors, line-cord FM antenna. Power: 100 watts IHP at 4 ohms , Sensitivity: $1.9 \mu \mathrm{~V}$. Frequency response: $=1 \mathrm{~dB}, 20-$ $20,000 \mathrm{~Hz}$. Takes optional case below. $153 / 4 \times 5 \times 111 / 2^{\prime \prime} .115$ VAC.
13 S 2025 U. Shpg. wt., 17 lbs. $\$ 18$ Monthly. ....... ..................... 259.95
13 S 2001 RX. Metal Wood-Grain Cose. Shpg. wi., 5 libs......................... 12.50
13 S 2040 RX, Walnut Wood Case. Shpg. wt., 6 lbs..
20.82

## SCOTT Deluxe 135-Watt Stereo FM-AM Receiver Kit



# Model LR88 $\$ 29995$ 

 $\$ 15$ monthlyFamous Scott Quality-Ease of Assembly

Shown in wainut case


- Tuner Front End Has FETs and ICs
- All-Silicon-Transistor Circuir
- Automatic Stereo/Mono FM Switching
- Two Precision Tuning Meters
- Pushbutton Selector Switches
- Front Panel Stereo Headphone and Microphone Jacks
- Automatic Variable Bondwidth

Superb receiver in kit form. Boasts all-silicon-transistor circuit, silver-plated FET front-end, integrated circuits in IF strip, signal-strength and zern-center tuning meters, stereo indicator light, Automatic Variable Bandwidth on AM, deluxe preamplifier. Output: 135 watts IHF at 4 ohms. Response: $\pm 1 \mathrm{~dB}$, $15-30,000 \mathrm{~Hz}$. Sensitivity: $1.7 \mu \mathrm{~V} .415$ i6 $\times 159$ 价 $\times 121 / 4^{\prime \prime}$. Takes optional case below. 115 VAC. Shpg. wt., 26 lbs . 13 S 2011 RU . 815 Monthly.

## 135-Watt Stereo FM-AM-Phono System with Scott LR88

Separately, 8689.65 . High-performance system features the Scott LRR88 135 Watt Stereo FM-AM Receiver with silicon transistors, FETs and ICs. Optional case above. Allied 929 4-Speed Automatic Turntable has cuing, antiskate, Base and Dust Cover. Pickering V15/ATE-3 Stereo Elliptical Cartridge. Argos TX-4 Three-Way Walnut Speaker Systems feature $12^{\prime \prime}$ Jensen woofer, $8^{\circ}$ midrange, $31 / 2^{*}$ tweeter. Cables, hi-fi booklet. Shpg. wt., 102 lbs.
13 S 0912 D62. \$20 Monthly.

Superb SCOTT 348B 160-Watt Stereo FM Receiver

$\$ 37995$<br>$\$ 18$<br>monthly

- Tremendous 160 -Watt Power
- FET's and IC's in Tuner
- Deluxe Full-Feature Preamp

Scott's finest FM receiver offers outstanding stereo reception, powerful 160 -watt output, and all the controls you'd ever need. Silver-plated field-effect-transistor frontond and integrated circuits make the FM circuit an engineering triumph, assuring razor-shary $1.5, \mathrm{~V}$ sensitivity. Precision tuning meter, stereo indicator light, flywheel tuning, and muting make FM tuning a delight! Powerful 160 -watt stereo amplifier has transformerless output stage for wide response, $\pm 1 \mathrm{~dB}, 15-30,000 \mathrm{~Hz}$. Harmonic distorfion is praetically unmeasureable-only $0.8 \%$. Extremely


Shown in wolnut case
versatile preamp has facilities ior all music sources-even mikes and guitar. Also has stereo headphone jack, tape monitor, high and low filters, loudness contour, and main/ remote speaker pushbuttons. Size, $4^{15} /$ b $^{2} \times 15 \%$ ís $1214^{\circ}$. Takes optional walnut wood case below. For $110-120 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Shpg. wt., 25 lbs.
13 S 2720 RU. $\$ 18$ Monthly.
.379 .95
1352717 RU. 388 B Receiver. Same features as above, but receives AM also. 318 Monthly. Wit., 29 lbs......... . 399.95
13 S 2733 RX: Wainuf Wood Case. Wt., 6 lbs........... 26.95

## Powerful SCOTT 344C 125-Watt Stereo FM Receiver $\$ 209 \underbrace{95}_{\substack{\text { less } \\ \text { cos }}}$ $\$ 15$ monthly

- FET's in Tuner Front-End
- Integrated Circuits in IF
- Silicon Transistor Output


Special value on one of Scott's finest receivers! Features silver-plated front-end with field-effect-transistors and integrated circuits in the IF strip for magnificent reception of stereo and mono FM. Tuning meter, stereo indicator light, velvet-smooth flywheel tuning. and between-station silencing assure pleasureable FM tuning. Preamp has full control facilites for every music source including mikes, guitar, and tape monitor. Also has stereo headphone jack, main/remote/both speaker switch, loudness contour, und noise filter. Powerful stereo amplifier has transformerless
output circuit with silicon transistors for wide response and high temperature stability. Response: $\pm 1 \mathrm{~dB}, 15-$ $30,000 \mathrm{~Hz}$. Output: 125 watts IHF. Sensitivity: $1.9 \mu \mathrm{~V}$ IHF. Outputs: 4-16 ohms, stereo headphones, tape. Inputs: magnetic phono, tape, auxiliary mikes, guitar. Size, $51 / 2 x$ $171 / 8 \times 13^{\prime \prime}$. Takes optional case above. For 115 VAC. Shpg. wt., 25 lbs .
13 S 2714 RU. 1515 Monthly

Deluxe SCOTT 341 70-Watt Stereo FM Receiver $\$ 219^{95}$

- FET's in FM Section and Tone Control Circuil
- IC's in If and Preamp Circuit

For the hi-fi buff on a low budget! Features FETs and ICs in the tuner section and preamp for best performance. Solderless connectors on the PC boards assure rugged dependability. Has zero-center tuning neter, stereo indicator light, and flywheel tuning for easy FM tuning. Preamp has controls for every music source including stereo headphones, tape monitor. Also has mode switch, loudness contour, main and remote speaker switches. Transformerless output circuit for wide response, $\pm 1 \mathrm{~dB}, 20-20,000$


Shown in walnut cose
Hz . Output: 70 watts IHF at 4 ohms. Sensitivity: 2.5 ${ }_{4} V$ IHF. Inputs: magnetic phono, tape, auxiliary Outputs: 4-16 ohms, stereo headphones, tape. $143 / 4 \times 121 / 2 \times 41 / 8^{\prime \prime}$. Takes optional cases below. 115 VAC. Shpg. wt., 17 lbs.


## LIMITED SUPPLY!

## EICO ST-70K 80-Watt Stereo Amplifier Kit

A remarkable value for the kit builder who craves lots of audio power but doesn't want to pay the price of a factory assembled high-power model. Deluxe stereo amplifier kit has a full complement of controls for all music sources. Has tape monitor and powered center channel for adding monophonic extension speakers. Also has loudness contour, high and low filters. Deluxe circuit has 11 tubes, plus rectifier, Output: 80 watts IHF; 35 watts rms . Response: $\pm 1 / 2 \mathrm{~dB}, 10-50,000 \mathrm{~Hz}$. Harmonic distortion: below $1 \%$. Inputs: 2 phono, tape, tuner, suxiliary. Outputs: $4-16$ ohms, tape Metal case with gray, gold, and white panel. $5 \times 157 / 8 \times 16^{\circ}$. For $110^{-}$ $120 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Shpg. wt., 44 lbs 13 S 2307 U. 85 Monthly.
79.95


Deluxe easy-to-build kit has all silicon transistors, plus factory assembled multiplex, front end and IF circuits. AFC, tuning meter, stereo indicator light, tape monitor, loudness, headphone jack, speaker selector. Response: $\pm 1 / 2 \mathrm{~dB}, 8-60,000 \mathrm{~Hz}$. Sensitivity: $2.4 \mu \mathrm{~V}$. Walnut vinyl-covered case, $41 / 2 \times 9 \times 16^{\prime \prime} .115$ VAC. Shpg. wt., 14 lbs.
13 S 2342 RU. Kit Form. $\$ 9$ Monthly.
169.95

13 S 2343 RU. Factory Assembled. $\$ 13$ Monihly.
259.95

Deluxe 70-Watt Stereo FM-Phono System with Eico 3570 Kit
Separately, 8511.20. Eico 3570, plus Garrard SL75 3-Speed Automatic Turntable, Base, Dust Cover. Einpire 888 VE Stereo Elliptical Cartridge. Argos TX-4 Walnut 3-Way Speaker Systems have $12^{\prime \prime}$ woofer, $8^{\prime \prime}$ midrange, $31 / 2^{*}$ tweeter. Cables, hi-fi book. Shpg. wt., 96 lbs. 13 S 0913 D8U. 517 Monthly.
369.95


Budget-Priced 70 - Watt Stereo System with Eico 3070 Kit Separately, 5509.20 . Eico 3070, plus Garrard SL65 4-Speed Automatic Turntable, Base, Dust Cover. Shure M93E Stereo Elliptical Cartridge, Allied 3015 B Acoustic-Suspension Three-Way Speaker Systems have $10^{\circ}$ woofer, $5^{\prime \prime}$ midrange, $3^{1 / 2}$ t weeter. Cables. Shpg. wt., 75 lbs .
1350715 D6U. \$12 Monthly.
239.95

# Outstanding Values in Stereo Hi-Fi Components 



BOGEN 75-Watt Stereo FM-AM Receiver $\$ 259^{95}$<br>$\$ 13$ monthly

Features Audio Console-type Slide Controls

Model DB250. Bogen's newest receiver boasts latest advances in silicon solid-state circuitry. Has ceramic IF filters, field-effect-transistors, integrated circuits, and balanced bridge detector in FM circuit for superior stereo. Mechanical filter on AM for improved selectivity. Professional audio console-type slide controls for bass, treble, balance, and volume provide resetting to exact levels and visual monitoring. Also has mode switch, speaker switches, loudness contour, stereo headphone jack, flywheel tuning, tuning meter, and stereo indicator light. Modular construction assures
easy servicing. Rugged output transistors are protected by a temperature-controlled circuit and by speaker line fuses. Handsome front panel is brushed gold with walnut trim. Side panels are matching solid walnut. Frequency Response: $\pm 2 \mathrm{~dB}, 20-20,000 \mathrm{~Hz}$. Power output: 75 watts IHF at 4 ohms. Sensitivity: $1.5 \mu \mathrm{~V}$ IHF. Harmonic distortion: $0.5 \%$. IM distortion: $0.7 \%$. Hum and noise: 70 dB below full output. For 115 VAC. Size, $161 / 2 \times 4 \frac{1}{2} \times 12 \frac{1}{2}{ }^{\prime \prime}$. Shpg. wt., 19 lbs.
13 S 2021 U. \$13 Monthly..
259.95

MIDLAND STEREO COMPONENTS FOR BUDGET-CONSCIOUS HI-FI FANS


Model 19-375. This stereo amplifier actually costs less than some kits! Solid-state circuit develops 50-watt IHF output for clear, crisp stereo reproduction. Full-feature preamp has tape monitoring, loudness contour, mode switch, and stereo headphone jack. Response: $\pm 2 \mathrm{~dB}, 20-30,000$ Hz. Slim-styled walnut grain metal cabinet with black and gold panel. Size, $10 \times 31 / 2^{\times 1} \times 3 / 4^{\prime \prime}$. For $117 \mathrm{~V}, 50-60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., 14 lbs.
13 S 2063 U. 85 Monthly
89.95

Solid-State 75-Watt Stereo FM-AM Receiver

$\$ 169^{95}$

$\$ 9$ monthly


- Sensitive FET Front-End
- AFC for Drift-Free Reception
- Stereo Indicator Light

Model 19-550. Outstanding value! Solid-state receiver features FET front-end for excellent $1.65 \mu \mathrm{~V}$ IHF sensitivity. Also has tuning meter, stereo indicator light, and AFC. Quality AM, too. 1'reamp has control facilities for magnetic or ceramic phono and tape. Also has loudness contour, scratch filter, and lights to indicate program source. Power: 75 watts IHF, Response: $=1 \mathrm{~dB}, 20-20,000 \mathrm{~Hz} .115$ VAC. $153 / 4 \times 4 \times 91 / 2^{\prime \prime}$. Wt., 18 lbs .
13 S 2061 U. s9 Monthly.
169.95

## MARANTZ SOLID-STATE COMPONENTS FOR AUDIO PERFECTIONISTS

## Solid-State Stereo Preamplifier

For the perfectionist! Ideal companion for the Model 15 below. Has uine stereo inputs, four stereo outputs, tape play/copy switch, full control complement, center-channel output, output level adjustment, tape head equalizer. Response: flat from $20-20,000 \mathrm{~Hz}$. Has 100 dB dynamic range on phono input! IM distortion: less than $0.15 \% .53 / 4 \times 153 / 4 \times$ $81 / 2^{\prime \prime}$. Case below. 117 VAC. Wt., 15 lbs.
13 S 2280 RU. 516 Monthly.
325.00 13 S 2270 RX. Walnut Wood Case. Wt.. 9 lbs........... 24.50

## 120-Watt Solid-State Power Amplifier

Here's an audio "Rolls-Royce". This basic amplifier has all silicon transistor circuit that develops 60 watts rms into 8 ohms with only $0.03 \%$ harnonic distortion! Features separate power supplies for each channel with fail-safe output circuit protection. Response: $\pm 1 \mathrm{~dB}, 10-60,000 \mathrm{~Hz}$. Damping factor: better than 30 @ 8 ohms. Hum and noise: 1-90 dB. $58 / 4 \times 153 / 47^{7}$. Perfect for Model 7 T preamp. Case below. 117 IAC. Shpg. wt.. 35 lbs. 13 S 2282 RZ. Express. \&18 Monthly................... 395.00 13 S 2434 RX. Walnut Wood Case. Wt., 9 lbs........... 29.50

Model $7 T$
$\$ 16$ monthly


## NEW KENWOOD Stereo FM-AM Receivers



Model TK-140X

- 200 Watts IHF Music Power
- Sensitive FET Front End
- $1.7 \mu \mathrm{~V}$ IHF FM Sensitivity
- New Integrated Circuits
- New "Luminous Dial" Styling
- Feather Touch Controls
- Output Circuit Protection

- 140 Watts IHF Music Power
- Lotest FETs in Front End
- $1.8 \mu \vee$ IHF FM Sensitivity
- 4 integrated Circuits in If
- Between-Station Silencing on FM
- Front Panel Taping Output
- Silent Stereo FM Switching


## $\$ 349^{95}$ <br> $\$ 17$ monthly <br> (4) Super-Power 200-Watt Stereo FM-AM Receiver

Fabulous new solid-state receiver features FET front-end, integrated circuits, silicon transistor output stage with double protection circuit, "Luminous Dial" styling. Has stereo headphone jack, main/remote speaker switch, volume /balance control, clutched bass and treble, mode and selector switches, loudness, tape monitor, between-station silencing, low and high filters, stereo indicator light, tuning meter, and silent automatic stereo switching. Complementary Darlington circuits with transformerless output assure wide response, $=1.5 \mathrm{~dB}, 8-120,000 \mathrm{~Hz}$. Power: 200 watts IHF@ 4 ohms. Distortion: less than $0.5 \%$. FM sensitivity: $1.7 \mu \mathrm{~V}$ IHF. Separation: over 35 dB at 1 $\mathbf{k H z}$. Capture ratio: 1 dB . Walnut finish metal case, $161 / 2 \mathrm{x}$ $12 \frac{1}{4} \times 5 \frac{1}{2}{ }^{\circ}$. Shpg. wt., 33 lbs.
13 S 2490 U. $\$ 17$ Monthly.
349.95

## $\$ 289^{95}$

$\$ 15$ monthly
Powerful solid-state receiver boasts deluxe features at a price far below what you'd expect to pay. Features FET front-end with 4 gang tuning capacitor, 4 IFs with integrated circuits, silent automatic stereo/mono FM switching, front panel tape output jack, and pushbutton controls for between-station silencing, loudness contour, low and high filters, and tape monitor. Also has stereo indicator light, tuning meter, mode and selector switches, and power/speaker selector switch. Stereo amplifier has transformerless output stage for wide response, $\pm 1.5 \mathrm{~dB}, 13-$ $70,000 \mathrm{~Hz}$. Power output: 140 watts IHF @ 4 ohms. Distortion: less than $0.5 \%$. FM sensitivity: $1.8 \mu \mathrm{~V}$ IHF. Separation: over 35 dB at 1 kHz . With walnut finish metal case, $161 / 2 \times 121 / 4 \times 51 / 2^{*}$. Wt., 26 lbs .
13 S 2492 U. s15 Monthly.
289.95

## Model KS-33

- Sensitive Field-Effect-Transistor Front-End
- Silent Automatic Stereo/Mono FM Switching
- Patented Fail-Safe Output Protection Circuit
- Illuminated Signal-Strength Tuning Meter
- Convenient Front Panel Sterea Headphone Jock

For the music lover on a budget! Deluxe receiver system features sensitive FET front-end, silent automatic stereo/mono FM switching, tape monitor, loudness contour, stereo headphone jack, precision tuning meter, and stereo indicator light. Silicon-transistor stereo amplifier has output protection circuit to prevent blow-outs. Two-way walnut speaker systems have $61 / 2^{\prime \prime}$ cloth-roll woofer and $23 / 4^{\prime \prime}$ cone-type tweeter. Receiver has walnut finish metal case, $143 / 16 \times 411 / 16 \times 1114^{\circ}$. Speaker systems, 81/4×141/8x $77 / 8^{\circ}$. Shpg. wt., 38 lbs .
13 S 0916 L2U. $\$ 10 \mathrm{Month} / \mathrm{y}$.
199.95

## Superb FISHER Stereo FM-AM Receivers



## Repeat Sale! Fisher 220-T 55-Watt Solid-State Stereo FM-AM Receiver

Famous Fisher receiver offers power, versatility, and attractive styling. Stereo amplifier develops 55 watts IHF at 4 ohms. Preamp boasts control facilities for all music sources. Front-end has field-effect-transistors. Four IF stages, three limiters, and wideband ratio detector. IHF FM Sensitivity, $2.5 \mu \mathrm{~V}$. Between-station silencing on FM. Outstanding AM reception. Also has distortion-free Baxandall tone controls, tape monitor, main
and remote syeaker switches, and mode switch. "Transist-O-Gard" output overload protection crreuit. Response: $\neq 1.5 \mathrm{~dB}, 25$ $25,000 \mathrm{~Hz}$ Distortion: $0.8 \%$. FM Separation: better than 35 dB . Outputs: $4-16$ ohms; stereo headphones; recording. $4^{13} / 16 \times 151 / 8 \times$ 11. Takes optional wood case below. For $105-120 \mathrm{~V}, 50-60 \mathrm{~Hz}$ AC. Shpg. wt. 24 lbs. 13 S 2078 U. 819 Monthly. ............ 249.99 13 S 2739 X. Walnut Case. 6 lbs......... 22.45

Repeat of Sale! $\$ 249^{99}$ $\$ 13$ monthly

Fisher 400-T 150-Watt Solid-State Stereo FM-AM Receiver


## ${ }^{\$} 34995$ <br> zose

$\$ 17$ monthly

- Tune-O.Matic FM Pushbution Tuning plus Flywheel Tuning
- Pushbuttons for Main and Remote Speakers, Loudness, \& Muting

Advanced receiver with Tune-O-Matic pushbutton memory tuning lets you preset four FM stations on the dials at the right side of the receiver. Also has flywheel manual tuning, automatic stereo/mono FM switching, tuning meter, Stereo Beacon, tape monitor, muting, loudness control, main and remote speaker pushbuttons. Size, $151 / 2 \times 51 / 4 \times 141 / 2^{\prime \prime}$. Takes optional case below. For 115 VAC . Shpg. wt., 25 lbs .
13 S 2626 U. s17 Monthly.
349.95

13 S 2041 X . Wainut Vinyl Case. Wt., 9 lbs.

## Deluxe Fisher 500-TX 190-Watt Solid-State Stereo FM-AM Receiver



## ${ }^{8} 4499$. <br> case

$\$ 20$ monthly
Fisher's finest receiver! Features versatile preamp to handle any music source, 190 watts IHF music power, $1.7 \mu v$ IHF sensitivity, dual-gate MOSFETs in front end, crystai IF filter, and ceramic ladder filter on AM. Has flywheel tuning, Tune-O-Matic FM pushbutton memory tuning, plus deluxe AutoScan touch tuning. Size, $167 / 8 \times 51 / 8 \times 41 / 2$. Takes optional case below. For 115 VAC. Shpg. wt., 30 lbs.
13 S 2627 U. 520 Monthy.

- AutoScan Electronic Touch Tuning
- Tune-O-Matic FM Pushbutton Tuning plus Flywheel Tuning

1352042 X . Wainut Vinyl Cose. Wit., 9 lbs.......... 22.95
449.95

## Fisher K-10 Reverberation Unit for Vibrant Stereo <br> 

Delivers stunning realism for today's "turned on" sound. Adds a new dimension to your stereo or monophonic hi-fi system. Delays part of the audio signal for 33 milliseconds. Plugs into most Fisher receivers including 400,500 , and 800 . Not for $160 \mathrm{~T}, 175 \mathrm{~T}$. Can also be used with other music systems which have tape monitoring facilities or separate preamplifiers. For $105-120 \mathrm{~V}, 50-60 \mathrm{~Hz}$ AC. Shpg. wt., 10 lbs.
13 S 2097 RX. 85 Monthly.
69.95

For Thrilling Concert-Hall Reali.m

## Save on Allied's 15-Record Stereo Extravaganza



## Sound Effects Library in Super Stereo <br> $\$ 995$

Repeat of Sale
$\$ 1795$
Stereo LP Library15 Hours of Music!

Great value! Splendid collection of orchestral arrangements contains five packages, each with three $12^{\prime \prime}$ LP's. 262 favorite selections on 15 records. "Time" label records have excellent stereo quality and feature extra-playing time for more music per record. Selections include: The Sound of Music; Summertime; A Fogoy Day; Camelot; You Were Meant for Me; Gipi; Volare: My Man; More Than You Know; Greensleeves; High Noon; Blue Danube; Clair De Lunc; Malaguena: Frenesi; Yours; Flight of the Bumble Bee; Always: plus 243 others.
13 S 2027 EX. Shpg. wt., 8 lbs.
15-Record Set 17.95


## Repeat of Sale <br> $\$ 15^{88}$

George Wright's "Organ Spectacular"
Ten magnificent organ records in an exciting collection. You'll thrill to stirring stereo. Titles include: The George Wright Sonend: Showtime; George Wright Plays the Mighty Wurlitzer Organ: The Roaring 20's; Have Organ Will Travel; Command Performance; others. 13 S 2022 EX. Shpg. wt., 5 lbs.

10-Record Set 15.88


## $\$ 995$ Beethoven's Nine Symphonies 7-Record Set

Beethoven's masterpieces on seven $12^{\prime \prime}$ deluxe stereo records. Enjoy all nine symphonies in marvelous stereo sound. Over $31 / 2$ hours symphonic playing time. Performed by the Vienna. State Opera Orchestra, conducted by noted artists. A classic addition to your library.
13 S 3214 EX. Shpg. wt., 5 libs.
7-Record Set 9.95

## 24 ALLIED



## Ken Griffin's Organ Hits $\$ 395$

58 beautiful songs played by Ken Griffin on the Hammond organ. 5 stereo LP records inclurde Moon River; Taste of Honey; Days of Wine and Roses; Zorba the Greek; Something Stupid; My Cup Runnah Oeer; Music to Watch Girls By; 50 others.
13 S 3217 EX. Shpg. wt., 4 Ibs.
5-Record Set 3.95


5-record set of America's West-ballads and songs of the open plains, love songs in the western style. Recorded in stereo and sung by famous stars-Patsy Cline; Jimmy Dean, Ferline Husky, Hank Locklin, Webb Pierce, Johnny Horton, Rex Allen, others.
13 S 2028 EX. Shpg. wt., 4 lhs.......... 5-Record Set 3.98

"The Band I Heard in Tiuuana" by los Norte Americanos. 5 -record set includes 50 stereo hits combining the mariachi style with Dixieland, jazz and a go-go beat. Tijuana Taxi; One for the Camino; Down al Rosita's: La Palomo; Hot Zapatos; Cielito Lindo; more. 13 S 3007 EX. Shpg. wt., 4 Ibs.

5-Record Sel 3.98

## SUPEREX ST-PRO Deluxe Stereo Headphones At Our Low Closeout Price

- Full 20-20,000 Hz Frequency Response
- Adjustable Headband - Foam Earcushions
- Separate Woofer and Tweeter Reproducers

Deluxe headphones for full-fidelity "concert hall" stereo listening. Feature separate woofer and tweeter elements in each earpiece to ensure superb stereo sound over the entire audio spectrum. Fully adjustable headband. Soft cushions permit hours of listening in full comfort, also seal out unwanted room noises. Frequency response, $20-20,000 \mathrm{~Hz}$. Impedance, 4-16 ohms. Easily adapted to monophonic use. With cord, standard $1 / 4$ " plug. Shpg. wt., 2 lbs.
29.95



## ALLIED ${ }^{\text { }}$ H885 Stereo Headphones

## Telex "Serenata" Stereo Headphones

Was $\$ 39.95$. These stereo headphones offer top performance with exceptional personal comfort. Tone control lets you adjust sound to your own liking. Liquid-filled earcushious have knob adjustment of earcup pressure. Adjustable headband assures comfortable fit. $20-20,000 \mathrm{~Hz}$ response for full-fidelity stereo realisin and superb listening. Impedance, 4-16 ohms. With padded vinyl carrying bag, 8 -ft. detachable coiled cord, plug. Shpg. wt., $21 / 2$ lbs.
20 S 8353 R. \$5 Monthly.
34.95

## KOSS ESP-6 Electrostatic "Stereophones"

- Individually Measured Response Curve with Each Heodsat
- Electrostatic Driver Elements - $10-32,000 \mathrm{~Hz}$ Response
- Earseals Eliminate Outside Noise - Dynamic Level Incicator

Unique Koss electrostatic headphones deliver a never-before-possible depth and breadth of sound for truly superb stereo listening. Electrostatic driver elements provide response far beyond limits of ordinary voice coils and cone-type driver elements. Self-energized diaphragms have $10-32,000 \mathrm{~Hz}$ frequency response, comparable to that of electrostatic speakers: Dynamic level indicator in each earpiece lights up to indicate excessive sound pressure levels. Foam rubber headband plus fluid-filled earcushions for total comfort. Complete with deluxe carrying case, $10^{\prime}$ coiled cord, junction box, speaker on-off switch for easy installation. Factory-measured respouse curve with each set. Impedance, 4-16 ohms. Shpg. wt., 4 lbs.
20 S 8033. 85 Monthly.
95.00

# NEW <br> <br> Three-Way 12" Acoustic-Suspension Speaker System <br> <br> Three-Way 12" Acoustic-Suspension Speaker System .. Specially Made by FISHER for Allied 

 .. Specially Made by FISHER for Allied}


## $\$ 9995$ \$5 monthly

- Powerful Disfortion-Free Bass Down to 30 Hz - 5 K/4 Midrange lsolated from Main Chamber
- Crisp, Clear Treble to Beyond $19,000 \mathrm{~Hz}$

Model 2750 . Here's one of our greatest values ever in a deluxe three-way $12^{\circ}$ acoustic-suspension speaker system. Specially engineered by Fisher and atailable only from Allied. Outperforms many systems costing nuch more
famed Fisher engineering gives you true connoisseur-quality hi-fi.
The three speakers are perfectly complemented to reproduce the full orchestral range from 30 to $19,000 \mathrm{~Hz}$. Big $12^{\prime \prime}$ acoustic-suspension woofer with $11 / 2^{\prime \prime}$ voice coil boasts rich bass way down to 30 Hz without booming. 58 " midrange with $1^{*}$ voice coil is acoustically isolated from the main chamber to provide clean, clear response. $3^{\prime \prime}$ closed-back tweeter delivers wide dispersion and full response to beyond $19,000 \mathrm{~Hz}$.
Built-in electrical crossovers at 800 and 3500 Hz . Power handling capacity: 60 watts. 8 ohms. Handsome oiled walnut finjsh. 14x $243 / 8 \times 111 / 2^{\prime \prime}$. Shpg. wt., 43 lbs .
20 S 9740 U. 50 Monthly.
99.95

## ALLIED Three-Piece Top Loading Hi-Fi Ensemble



# Save Up to $\mathbf{s} 25.00$ on AR's Finest 3-Way Acoustic-Suspension Speaker System 

# Ready-to- $\$ 20250 \quad \$ 11$ Finish monthly 

Madel AR-3a. Was $\$ 250.00$. Spectacular offer on Acoustic Research's most sophisticated 3-way acoustic-suspension speaker system. Fowerful $12^{\prime \prime}$ woofer cuts off electrically at 575 Hz for greater omnidirectional delivery. Dome radiator midrange handles frequencies from 575 to 5000 Hz flawiessly. Two dome radiator tweeters$11 / 2^{\prime \prime}$ and $8 / "^{"}$-offer excellent high-frequency dispersion. Response, $32-20,000 \mathrm{~Hz}$. Requires amplifier rated at least 25 watts per channel. 4 ohms. $14 \times 25 \times 113 / 8^{\prime \prime}$. Shpg. wt., $558 / 4 \mathrm{lbs}$. 20 S 7042 RZ. Oiled Walnut.,................ 225.00 20 S 7041 RZ. Natural Birch. Was $\$ 840.00$. . 216.00 20 S 7040 RZ. Unfin. Pine. Was $\$ 22 \tilde{0} .00 \ldots . . .202 .50$


## Repeat of Sale!

 AR Acoustic-Suspension Systems at Special Low PricesReady-to-<br>Finish

Ready-toFinish

Acoustic-suspension is one of the most sophisticated designs available . . permits powerful bass from small enclosures

## (A) Two-Way $8^{\prime \prime}$ System

Model AR-4X. One of the finest lowcost speakers on the market today. Famous AR acoustic-suspension design provides pure, natural-sounding reproduction. Features $8^{\prime}$ woofer that delivers rich, solid, uncolored bass. Specially-designed $21 / 2^{\prime \prime}$ tweeter for smooth treble.
Built-in tweeter level control. LC erossover network at 1200 Hz . Requires amplifier rated at least 15 watts per channel. Impedance, 8 ohms. $10 \times 19 \times 9^{\circ}$. Shpg. wt., 22 lbs. 20 S 7629 RU. Oiled Wainut...... 51.30 20 S 7628 RU. Ready-to-Finish Pine. $\$ 5$ Monthly.

WX W............. 45.90 20 S 8015 RX. Walnut Ftoor Base. Designed to fit AR-4 speaker systems. $11 \times 14 \frac{1}{2} \times 13^{\prime}$. Wt., $3 \frac{1}{4}$ lbs........ 7.50

## B Three-Way $10^{\prime \prime}$ System

Model AR-2AX. Extremely popular due to its excellent performance and moderate cost. Incorporates a powerful $10^{\prime \prime}$ acoustic-Euspension woofer with $31 / 4 \mathrm{lb}$. magnet plus $31 / 2$ midrange and efficient $13 / 8^{\prime \prime}$ dome type super-tweeter. Cabinet features complete fiberglass packing throughout.
Two independent level controls adjust midrange and super-tweeter to suit any acoustical or personal requirements. Built-in LC crossover at 2000 and 7500 Hz . Response, 42-20,000 Hz . Requires amplifier rated at least 20 watts per channel. 8 ohms. $131 / 2 \mathrm{x}$ $24 \times 11^{1 / 1 / 2}$. Shpg. wt., 43 lbs.
20 S 7046 RU. Oiled Walnut. . . . . 115.20 20 S 7044 RU. Natural 8irch..... 109.80 20 S 7047 RU. Ready-io-Fin. Pine. 98.10

## (C) Three-Way 12" System

Model AR-3. Top-quality performance in a compact, easy-to-place system. Widely acclaimed by high-fidelity experts for its uncolored, natural sound. Features superb $12^{\prime \prime}$ acousticsuspension woofer and $2^{\prime \prime}$ dome radiator midrange, each with massive $31 / 4-1 \mathrm{~b}$. magnet; $13 / 8^{\prime \prime}$ dome tweeter.
Independent level controls for midrange and tweeter. LC crossovers at 1000 and $7500 \mathrm{~Hz} .30-20,000 \mathrm{~Hz}$. Requires amplifier rated at least 25 watts per channel. 4 ohms. $14 \times 25$ x $113 / 8^{\prime \prime}$. Shpg. wt., $553 / 4$ lbs.
20 S 7624 RZ. Oiled Walnut.... . 202.50 20 S 7149 RZ. Natural Birch....... 194.40 20 S 7002 RZ. Ready-to-Fin. Pine. 182.76


## Get Two Utah

 12" Speaker Systems for\$5 monthly


## Utah Three-Way 12 -inch AcousticSuspension Speaker Systems

- Big 12" High-Compliance Acoustic-Suspension Woofer for Rich Boss
- $8^{\prime \prime}$ Midrange Enhances Presence with Clear Middle Frequencies
- $31 / 2^{\prime \prime}$ Tweeter for Brilliant Highs - Response of $28-18,000 \mathrm{~Hz}$
- Handsomely Styled Cabinet of $3 / 4^{\prime \prime}$ Wood with Walnut Veneer

Model A-90. Allied's buying power makes it possible to bring you this sensational speaker system offer. Take advantage of this great value and complete or improve your stereo system today. You get two fashionably-designed deluxe three-way, $12^{\prime \prime}$ acoustic-suspension speaker systems for the remarkable low price of only $\$ 90.95$. The A-90's are designed to reproduce musical passages with the brilliance and clarity of the original performance. The excellence of the reproduction of the entire audio frequency spectrum must be heard to be truly appreciated.
This finely engineered system has a big $12^{n}$ high-compliance acous-tic-suspension woofer with a $21 / 4-\mathrm{lb}$. magnet structure (Alnico V magnet) and long-throw $11 / 2$ copper voice coil that delivers powerful, rich bass as low as 28 Hz . Closed-back midrange $8^{\prime \prime}$ speaker produces clear middle frequencies. $31 / 2^{\prime \prime}$ cone tweeter provides clean, pure treble. Tweeter brilliance control.
Sturdy $3 / 4$ " wood walnut veneer cabinet with complementary beige grille cloth. Smooth response from 28 to $18,000 \mathrm{~Hz}$. Electrical crossovers at 2200 and 5000 Hz . Power capmeity: 30 watts, 60 watts peak. Impedance, 8 ohms. $14 \times 23 \times 10^{\circ}$. Each, 331 lbs .
20 S 7053 RU. One System. 85 Monthly.

## ALLIED 2370K Three-Way

## 12" Shelf Speaker System Kit

- Powerful Distortion-Free Bass Down to 20 Hz
- Compression Midrange, Tweeter Diffraction Horns
- Two Level Controls - Fiberglass-Filled

Was $\$ 99.95$. Save $\$ 15.07$ on this deluxe acousticsuspension speaker system kit. The $12^{\prime \prime}$ woofer reproduces deep bass down to 20 Hz . Com-pression-type midrange with diffraction horn for realistic mid-frequencies. The high-frequency tweeter, a compression-type wide-dispersion diffraction horn, sounds treble with ease past the range of the human ear.
Crossover frequencies at 1000 and 5000 Hz . Level controls for midrange and tweeter permit adjustment to your personal taste. Capacity, 35 watts ( 70 watts peak). 8 ohms. Solid $8 / 4$ "wood paneling with walnut veneer. Extremely easy to assemble-all you need is a screwdriver. Apply a handsome finish with oil (supplied). All parts, finishing oil and instructions. Size, $15 \times 25 \times 13^{\prime \prime}$. 8 hpg . wt ., 50 Jbs .
20 S 9729 RZ. B̄̄ M onthly. ................... 84.88


## Save s20.00 When You Buy Two ALLIED 3015B Three-Way 10" Acoustic-Suspension Speaker Systems

Each<br>$\$ 39^{95}$<br>$\$ 5$ monthly<br>In Pairs $\$ 2995$<br>$\$ 5$ monthly

Add clear, powerful sound to your stereo system with two 3015 B acoustic-suspension speaker systems and pocket $\$ 20.00$ in the process. The $10^{\prime \prime}$ woofer with cloth surround and massive 2-lb. magnet structure provides rich, natural bass down to 35 Hz . Deluxe acoustic-suspension design assures peakfree output.
A $5^{\prime \prime}$ midrange speaker and $31 / 2^{*}$ tweeter, each with $11 / 2-$ oz. magnet structures round out the system. Electrical crossovers at 2200 and 4500 Hz . Response, $35-17,000 \mathrm{~Hz}$. Power Capacity, 40 watts peak. Impedance, 8 ohms. Handsome oiled walnut wood veneer with matching beige grille cloth. $12 \times 20 \times 71 / 2^{\circ}$. Shpg. wt., each, 22 lbs. 55 Monthly.
20 S 9732 U
Each 39.95
When You Buy Two.
Each 29.95



## Save <br> s2.07 <br> $\$ 10^{88}$

## Outdoor High-Fidelity Speakers

## Utah HFOD-8A Patio Weatherproof Speaker

Was \$12.95. Add this outdoor speaker to your stereo system at low cost. Listen to high-fidelity music as you relax or play out of doors. Two-way 8" speaker in weatherproof drawn steel green cabinet. Volume control. Response: $35-18,000 \mathrm{~Hz}$. Capacity: 15 watts. Impedance: 8 ohins. With 25 -foot cable. $107 / 8 \times 107 / 8 \times 53 / 8^{\prime \prime}$. Shpg. wt., 7 lbs.
20 S 8448 RX .
10.88

## Electro-Voice Sonocaster I Speaker

Was \$29.50. Fill your backyard or patio with beautiful music from your stereo system. Features radax coaxial $8^{\circ}$ speaker. Efficient unit can be driven by very low-power amplifiers. Rugged plastic case. Includes handle retaining clip for fast mounting. 70$13,000 \mathrm{~Hz} .30$ watts peak power. Impedance, 8 ohms. Size, $163 / 4 \times 17 \times 57 / 8^{\prime \prime}$. Shpg. wt., 7 lbs.
2057237 RX
17.95


[^2]
## EMPIRE Speaker System Values



## DECORATOR-STYLED FLOOR SYSTEMS

## ® 8000P Three-Way $12^{\prime \prime}$ System

Elegant Ionic-column styled marble-top speaker system delivers excellent sound reproduction. Downward-facing $12^{\prime \prime}$ woofer, direct-radiator midrange, and ultrasonic tweeter deliver music evenly to every corner of the room. Woofer has $4^{\prime \prime}$ voice coil and $18-1 \mathrm{~b}$. magnet structure. Tweeter has 3 -position level control. Satin walnut finish, imported marble top. Response $25-20,000 \mathrm{~Hz} .100$-watt capacity. Impedance, 8 ohms. $16^{\circ}$ diameter, $29^{*}$ high. Shpg. wt., 85 lbs. 20 S 7285 Z. 10 Mmthly.
189.95

## 2000M Two-Way $10^{\prime \prime}$ System

Was $\$ 109.95$. Save $\$ 20.00$ during our Spring Sale on this handsomely styled quality two-way foor speaker system. Features $10^{* \prime}$ high-compliance woofer and direct-radiator midrange and tweeter to deliver fiawless, widely dispersed sound. Attractive pedestal-designed satin walnut cabinet with imported inarble top will add beauty to any decor. Frequency respouse, $35-18,000 \mathrm{~Hz}$. Power handling capacity, 60 -watts. Impedance, 8 ohms. Size, $117 / 8 \times 11^{7 / 8} \times 161 / 2^{\prime \prime}$ high. Shpg. wt., 44 lbs.
20 S 7389 RU. S5 Monthly
89.95


Repeat
of Sale
$\$ 5888$
Excellent sound reproduction, special low priee! Mas $10^{\circ}$ free-piston woofer with big $51 / 2 \mathrm{lb}$ magnet structure for high flux density. $5^{\prime \prime}$ midrange speaker is sezled in apecial AcousticGlas-filled sub-enclosure to prevent sconstic interaction with woofer. Tweeter provides superto t.reble. True "lifelike" reproduction from $35-20,000 \mathrm{~Hz}$. Handles 60 watts ( 10 watts minimum). Built-in electrical crossovers at 1000 and 3000 Hz . Impedance, 8 olhms. Handsome walnut veneer enclosure; decorative grille, $13 \times 23 \times 1012^{2}$. Shpg. wt., 37 lbs.


## 3002 Two-Way 8" Speaker System - , Our Lowest Priced Hi-Fi Model

\author{

- Compact Enclosure Only $15^{\circ}$ Wide-Fits Anywhere

}

Wcs 824.95. Save $\$ 5$ on this compact Allied system. Features two-way speaker design with independent low and high frequency speakers for smooth response from 50 $15,000 \mathrm{~Hz}$. Perfect in pairs for low-budget high-fidelity ttereo systems or for a second system in your den or recreation room. Also makes an ideal extension speaker system. $8^{\prime}$. woofer with $1.9-1 \mathrm{~b}$. magnet structure, $1^{\text {r }}$ voice coil. Direct-radiator $31 / 2^{\prime \prime}$ tweeter. Capacity, $15-30$ watts. 8 ohnes. Sturdy $3 / 4{ }^{\prime \prime}$ oiled walnut veneer cabinet, $123 / 8 \leq 15 x 9^{\prime \prime}$. Shpg. wt. $161 / 2$ lbs.
$20 \leqslant 9735$ RX. 85 Monthly.
19.95

# High-Performance Speaker Systems from Leading Manufacturers 



## AR-5 Three-Way $10^{\prime \prime}$ Speaker System

Newest AR system provides superb wide-range sound. The $10^{*}$ acoustic-suspension woofer offers uniform and extended low-frequency response, free of distortion. $11 / 2^{\prime \prime}$ dome midrange, $3 / 4$ " dome tweeter (same as AR-3A). Independent midrange and tweeter level controls. Requires amplifier rated at least 20 watts per channel. $8 \mathrm{ohms} .131 / 2 \times 24 \times 111 / 2^{2}$. Shpg. wt., 39 lbs.
20 S 7224 U. Oiled Walnut. $\$ 9$ Monthly............... 175.00
20 S 7225 U. Natural Birch $\$ 9$ Mouthly............ . . . . 168.00
20 S 7227 U. Ready-to-Finish Pine. $\& 8$ Monthly ......... . . 156.00

## 



ALTEC-LANSING $885^{50}$

## Corona 893A Two-Way $10^{\prime \prime}$ Speaker System

New bookshelf size 2 -way system with superb performance over entire frequency range from 50 to 18,000 Hs. Optimum bass response delivered by high compliance $10^{\circ}$ woofer mounted in an infinite baffle. High frequencies delivered crisp and clear by new $3^{\prime}$ direct radiating tweeter. Crossover at 2500 Hz . Capacity, 20 watts continuous (rms). 8 ohms. Oiled walnut finish. $121 / 4 \times 22 \times 91 / 2^{\prime \prime}$. Shpg. Wt., $161 / 2 \mathrm{lbs}$.
20 S 7387 U. 5 Monthly.... . 85.50

## Dynaco A-25 Two-Way $10^{\prime \prime}$ Aperiodio Speaker System

Features new aperiodic (nonresonant) design that assures uniform efficiency across a wide band, wide dispersion, and high power handling ability without distortion. Has $10^{\prime \prime}$ extended excursion woofer and new dome tweeter. Crossover network at 1500 Hz . Five-position tweeter level control. Capacity, better than 60 watts continous (rms), Impedance, 8 ohms. With wall brackets. Oiled walnut finish. $111 / 2 \times 20 \times 10^{\prime}$. Shpg, wt., 22 lbs. 2057316 U. 85 Monthly...... 79.95

Argos TX-400 Three-Way 12" Speaker System


- $12^{\prime \prime}$ Woofer for Smooth Bass Down to 35 Hz
- $8^{\prime \prime}$ Midrange - High-Compression Horn Tweeter

Features Jensen $12^{\prime \prime}$ woofer for resounding bass to 35 Hz without distortion. Solid-back $8^{8}$ midrange for clear mid-frequencies. High-compression, horn-loaded tweeter provides sparkling highs to $18,000 \mathrm{~Hz}$. Capacity, 50 watts. Impedance, 8 ohms. $34^{5}$ walnut cabinet with handrubbed satin finish. Size, $143 / 4 \times 25 \times 9^{\prime}$. Shpg. wt. 31 lbs .
20 S 7356 U. so Monthly.
89.95

# Closeout Sale on ARGOS Speaker System 

## Model TX-4 Deluxe Three-Way 12" Speaker System with Jensen Woofer



Fomous Jensen $12^{\prime \prime}$ Woofer Provides Powerful Bass Down to 35 Hz . Special Tuned Port Design Increases Woofer Efficiency for Peak-Free, Uitra-Smooth Bass Response

Wias 579.95. Buy now and save $50 \%$. Top-quality $12^{\circ}$ three-way speaker system gives you full-fidelity frequency response of $35-17,000 \mathrm{~Hz}$. Features famous Jensen $12^{\prime \prime}$ woofer combined with a solid-back $8^{\circ}$ midrange speaker and direct-radiator $31 / 2^{*}$ tweeter. Special tuned port design prevents distortion-provides smooth, peak-free bass response. Closed-back midrange eliminates annoying intermodulation with the woofer. Tweeter delivers crisp, sparkling highs. Power handling capacity, 40 watts. Impedance, 8 ohins. Beautiful oiled walnut veneer cabinet with matching grille cloth-adds a decorator's touch to any interior. $1 \leq 3 / 8 \times 25 \times 9^{\prime \prime}$. Ideal for shelf or custom mounting, or for floor use. Shpg. wt., 29 lbs. 20 S 7280 RU. \$ $\overline{\text { En Monthly. }}$
39.97

Cut ${ }^{539.98}$
\$5 $\$ 39^{97}$
monthly


## Get Second Speaker For

 only $\$ 1$ more
## Save s23.95

## One Speaker


\$5 monthly

## Two Speakers


$\$ 5$ monthly

## Save on UTAH HF8JXC-3 Three-Way $8^{\mathrm{n}} \mathrm{Hi}$-Fi Speakers

- Three-Way Speoker Delivers Wide-Range Response of $32-20,000 \mathrm{~Hz}$
- Unique Cloth-Roll Design for Greatly Enhanced Bass Response
- Die-Cast Frame Specially Shaped for Maximum Structural Strength
- Spring-Loaded Terminals are Color-Coded for Easy Phasing
- Coaxially Mounted $31 / 2$-inch Cone Tweeter Delivers Clean Highs

Save $\$ 23.95$ on this unbeatable Allied value for discriminating listeners! Get twoo high-quality speakers for only $\$ 1.00$ more than the price of one. Features $8^{\prime \prime}$ woofer with 12 -oz. magnet and $1^{\prime \prime}$ voice coil. Cloth roll design enhances bass response. Whizzer-cone midrange produces clear middle frequencies. Coaxially-mounted $31 / 2^{\prime \prime}$ cone-type tweeter delivers clean highs to $20,000 \mathrm{~Hz}$.
Rigid die-cast frame is specially shaped for maximum structural strength to assure lasting alignment. Spring-loaded, finger-tip terminals are color-coded for easy phasing in stereo systems. "Open" frame design allows maximum freedom of cone travel. Only $35 / 8^{\prime \prime}$ deep, it's ideal for practically any type of enclosure, or it can be easily mounted in wall or ceiling. Can also be mounted to either front or rear of enclosure's baffle board. Resonant frequency, 55 Hz . Frequency response is 32 to $20,000 \mathrm{~Hz}$. Power capacity, 30 watts peak. Impedance, 8 ohms. Shpg. wt. each, 5 lbs. $\$ 5$ Monthly. 20 S 8207 R. One Speaker. Two Speakers.............................................................. . . . . 25.955

# Altec-Lansing Studio-Quality 12" Two-Way Hi-Fi Speaker 

- Powerful $12^{\prime \prime}$ Woofer with $91 / 2-\mathrm{Ib}$. Magnet Structure for Bass You Can Feel
- VHF Driver with Multicellular Horn for Response Up to $\mathbf{2 2 , 0 0 0 ~ H z}$

Model 6012. Special-purchase price! Professionalquality $12^{\circ}$ two-way coaxial speaker that delivers astounding full-range music. $12^{\prime \prime}$ woofer with massive $91 / 2$ pound magnetic structure pounds out thunderous bass down to 30 Hz . VHF driver responds to $22,000 \mathrm{~Hz}$. Multicellular horn projects high-frequency sound over a wide area-important for truly big stereo hi-fi sound. With level control. Response: $30-22,000 \mathrm{~Hz}$. Capacity: 30 watts peak. Impedance: 8 ohms. Speaker easily mounts in almost any $12^{\prime \prime}$ enclosure. Size, $55 / 8^{\circ}$ deep. Soider terminals. Shpg, wt., 18 lbs. 20 S 8243 RX. $\$ 5$ Monthly.

## Save <br> ${ }^{\text {s }} 6.05$



## Electro-Voice 12" Two-Way Speaker

Model SPI2B. Budget-priced wide-range coaxial speaker provides excellent hi-fi performance. Buy a pair for stereo now at this low sale price! Highcompliance $12^{\prime \prime}$ woofer delivers excellent bass down to 35 Hz . Radax super-tweeter responds smoothly to $15,000 \mathrm{~Hz}$. Power capacity: 60 watts peak. Impedance: 16 ohms. $68 / 4$ " deep. Shpg. wt., 15 lbs. 20 S 8131 RX. 55 Monthly.. $\qquad$

Save ${ }^{\text {s }} 15.07$ $\$ 24^{88}$
Was $\$ 39.95$


## Utah $15^{\prime \prime}$ Three-Way Speaker

Model DI 5PXC-HF. Now you can have the real-as-life sound of a fine $15^{\circ}$ speaker at a budget price. Woofer has $17 / 8^{-1 b}$. ceramic magnet with $11 / 2^{\prime \prime}$ voice coil for bass as low as 30 Hz . Compression tweeter with $1.47-\mathrm{oz}$. Alnico V magnet responds smoothly to $20,000 \mathrm{~Hz}$. 45 watts peak. 8 ohms. $8^{\circ}$ deep. Shpg. wt., $123 / 4 \mathrm{lbs}$.
20 S 8239 RX. 85 Mmthly....................... . . 24.88

## Save ${ }^{s} 24.82$ $\$ 49^{88}$ <br> Was $\$ 74.70$



## Electro-Voice 15" Three-Way Speaker

Model 15TRXB. Superb-quality 3-way $15^{\prime \prime}$ speaker is another outstanding Allied value. Huge $15^{\prime \prime}$ woofer with $13 / 4-1 b$. ceramic magnet delivers full-throated bass down to 30 Hz . Radax type cone delivers smooth midrange. Horn-loaded super-tweeter responds to $20,000 \mathrm{~Hz}$. Capacity, 30 watts, 60 peak. Impedance, 16 ohms. $9^{\prime \prime}$ deep. Shpg. wt., 18 lbs. 20 S 8070 RX. $\$ 5$ Monthly....................... 49.88

Save ${ }^{\text {s }} 2.02$ $\$ 11^{34}$
Was $\$ 13.36$


## Altec-Lansing 4" Mini-Speaker

Model 405A. Ideal for hi-fi application in small bookshelf systems or even auto stereo tape systems. Full-range response of $60-15,000 \mathrm{~Hz}$. Steel construction, water-resistant cone. Power capacity: 10 watts. Impedance: 8 ohms. Shallow profile, only $21 / 8^{\prime \prime}$ deep. Shpg. wt., 3 lbs.
20 S 8065 R.
11.34

## Mikes, PA System, Intercoms . . Low Prices!



Save ${ }^{s} 20.00$ $\$ 39^{95}$<br>\$5 monthly<br>Ideal for Use in Directional Applications

## ALLIED Cardioid-Dynamic Mike Outfit

Model 3310 P . Was 859.95 . Two cardioid-dynamic mikes plus accessories in carrying case. Highly effective cardioid pattern suppresses noise, reverberation, and feedback. $40-16,000 \mathrm{~Hz} .10,000$ ohms. Sensitivity, -63 dB . 727 年 $\times 1^{13 / 16^{\prime \prime}}$ dia. Each mike with $5^{\prime}$ shielded cable and standard phone plug, $5 / 8^{*}-27$ stand coupler, swivel mount, desk stand. Case, $131 / 2^{\times 113} / 4 \times 21 / 2^{\prime \prime}$. Japan. 12 S 7158 R. Wt., 6 lbs. \$5 Monthly.
39.95


Save ${ }^{s} 20.00$ $\$ 29^{95}$
$\$ 5$ monthly
Wide Response
Is Perfect for
Hi-Fidelity Uses

## ALLIED Dynamic Mike Outit

Model 3311 P . Was $849.9 \overline{5}$. Two omnidirectional dynamic mikes can be hand-held or used as desk mikes with stands included. Excellent $45-15,000 \mathrm{~Hz}$ response. Inpedance, 10,000 ohms, Sensitivity, $-65 \mathrm{~dB} .101 / \mathrm{s}^{3} 1^{3} / 8^{\mathrm{m}}$ dia. Each mike with 5 ; shielded cable and standard phone plug, desk stand, mike holder, $5 / 8^{\prime \prime}-27$ stand coupler, swivel mount. Polystyrene case, $131 / 2 \times 118 / 4 \times 21 / 2^{\prime \prime}$. Japan. 12 S 7155 R. Wit., 6 lbs . 85 Monthly.

## Mobile Public Address System

Save

- Midland Solid-State 18.Watt Ampifier
${ }^{5} 5.04$
- Two University Compact-Horn Speakers
- Electro-Voice Omnidirectional Ceramic Mike

Separately, 861.99 . Compact but powerful Midland 16-watt amplifier is ideal for any mobile PA use: car, truck, boat, rallies, picnics. Response: $40-16,000 \mathrm{~Hz}$. Inputs: 600 ohms mike; high-impedance mike/tape. Outputs: 8, 16 ohms. For 12 VDC, neg. or pos. gnd. With mounting brackets, phone plug, spare pilot lamp, fuse, lead wires. $11 / 2 \times 31 / 8 \times$ $57 / 8^{*}$. Two University DLC-8 Speakers. Weatherproofed for outdoor use in any season. Electro-Voice 714 Push-toTalk Mike. With 5-ft. cord, bracket. Amplifier from Japan. 12 S 0035 L4X. Mobile PA System. $13 \mathrm{lbs} . \$ 5$ Monthly . 56.95 12 S 7375 X. PA Amplifier Alone. 2 lbs. Nonthly. . . 29.95

## Fanon Wireless Infercom $\$ 1995 \begin{gathered}\text { Two-Station } \\ \text { System }\end{gathered}$

Model EW3A. Simply plug into 110 VAC outlets and start talking. Solid-state. Quieting circuit cuts noise. Press-totalk bar with lock position for monitoring, volume control. Beige plastic. $31 / 2 \times 41 / 2 \times 2^{\prime \prime}$. Japan. Wt., $11 / 2 \mathrm{lbs}$.
12 S 8211 R. $\$ 5$ Monthly . 19.95

## Lloyd's Wireless Intercom $\$ 2795^{\text {Two-Station,Two }}$ Channel System

Link any 2 rooms on same electric line transformer. Twochannel selector, press-to-talk bar, volume control. Off-white, black. $13 / 4 \times 45 / 16 \times 6^{5} / 16^{2} .117 \mathrm{VAC}$. Japan. Wt., 3 lbs.
12 S 8160.85 Monthly.... 27.95 12 S 8159 . Extra Station. Add any number. $11 / 2$ lbs. Ea. 13.98


## Speco KE-400 Intercom System

 Solid-state intercom can be used on desk or mounted on wall. Master station, three substations. Pushbutton control. Buzzer call system. no outlets required-operates $4^{1 / 2} \times 3^{1 / / 8 \times 13 / 4 " . ~ W h i t e ~ a n d ~}$ $41 / 2^{x 3} /{ }^{2 x 15} / 8$. Reme $60^{\prime}$ cables, hardware. Japan. 12 S 8028 . Shpg. wt., $3 \mathrm{lbs} \ldots$
# First Time Ever...Solid-State Transformerless PA Amplifiers with True High-Fidelity Performance 

## UNIVERSITY

Presents

## POWER-LINE

New Concept Virtually Eliminates Transformers, Boosts Audio Power

## Specifications for All Models

| GENERAL | Hi or lo- 2 input selection with slide switch Switched AC outlet <br> Speaker protection sircuil loutput current limited to rated power to prevent overdriving speakers). <br> Fused AC line. <br> Power consumption less than 5 W when idling, for low operating temperatures, long component life. |
| :---: | :---: |
| SENSITIVITY | Mic ( 10 Z), 0.25 mV ; Mic (hi Z), 4.0 mV ; Aux, 250 mV , Bridging: 1 V |
| SIGNAL-TONOISE RATIO | Power Amplifier: -80 dB Aux: -70 dB, Mic: -60 dB |
| OUTPUTS | 25 V and isolated 70.7 V line; 4,8 and 16 ohms on terminal strip; 2 quick disconnect octal sockets |
| TONE CONTROIS (Feedback Typo) | Bass: $\pm 10 \mathrm{~dB}$ at 100 Hz Treble: $\pm 10 \mathrm{~dB}$ at 10 K Hz |
| POWER INPUT | $95.130 \mathrm{VAC}, 60 \mathrm{~Hz}$ |
| DIMENSIONS | $5^{\prime \prime}$ high $\times 151 / 2^{\prime \prime}$ wide $\times 101 / 2^{\prime \prime}$ deep |
|  | MODELS |
| UPL20T I UP | 351 \| UPL60T | UPLIOOT |
|  FR <br>   <br> $50-15 \mathrm{kr}$ 50 | $\begin{aligned} & \text { QUENCY RESPONSE }\{ \pm 11 / 2 \mathrm{~dB}) \\ & 15 \mathrm{KHz} \quad\|40-20 \mathrm{~Hz} \quad\| 40-20 \mathrm{~Hz} \mathrm{~Hz} \end{aligned}$ |
| 20W POW | ER OUTPUT (at less than $5 \%$ THD) <br> 60 W <br> 60 W |
| 40W 170 | $\begin{aligned} & \text { PEAK POWER } \\ & \text { W ILO } \\ & \end{aligned}$ |
| $108.8 / 79.1 \mathrm{~dB} \mid 11$ | OWER GAIN/PHONO GAIN |
| All mic inputs <br> 1 Mic 12 <br> Hi as lo $Z$ unb All Mad | INPUTS <br> pecially suitable for guitar and music inputs. Mic 2 Mic <br> 2 Mic bolanced. Hi Z, 47 k ohms, to Z, 150 ohms <br> s: Aux (2 inputs on foder) 300 k ohms All Models: Bridging hi Z (SK) |
| 19 All-Silicon \| 35 | SEMICONDUCTORS <br> All-Silicon \| 31 All-Silicon | 32 All-Silicon |

## UPL-100T - Ultra-High-Efficiency Circuits <br> 100 Watts <br> ${ }^{s} 159^{00}$ <br> - Automatic Speaker Protection Circuit <br> - Automatic Thermal Protection <br> - Direct Coupled Circuitry Throughout <br> - Short Circuit Protection without Relays <br> $\$ 8$ monthly - No Transformer with 4 to 20-ohm Loads

Meet the needs of small, medium, and large complex PA installations, providing professional, high-fidelity sound at moderate cost. Solid-state circuits eliminate need for Con-stant-Voltage systems in virtually all small to moderate-sized installations, but Constant-Voltage output is included for use when required. Direct-coupled circuits, from input to speaker, end insertion losses and give you a 20 to $25 \%$ increase in available power at the speakers. Dispensing with line transformers reduces cost of the installation and delivers wider response without distortion. Control, mix and amplify 3 or more input signals, delivering their rated power into 4 to 20 -ohm loads.
Factory-installed Output Autoformer converts transformerless amplifier to $25-70 \mathrm{~V}$ Constant-Voltage operation for large installations. Takes full advantage of the high-efficiency circuit and hi-fi performance of the transformerless audio circuit concept, and allows for the ease of installation of the Constant-Voltage system.
Deluxe UPL-100T and UPL-60T amplifiers have computer logic circuits for overload protection. If the output is shorted, amplifier shuts off for 3 seconds. If after 3 seconds the short is still present, it will remain off. All models have bass control, treble control, master gain control, pilot lights. 12 S 7984 U. UPL-100T 100-Watt PA Amplifier. Shpg. wt., 22 lbs. 88 Monthly...
159.00

12 S 7985 U. UPL-60T 60-Waft PA Amplifier. Shpg. wt., 20 lbs. 87 Monthly...
129.00

12 S 7986 U. UPL-35T 35 Wan PA Amplifier. Without logic circuitry. Shpg. wt., 17 lbs. s 6 Monthly . . . . . . . . . . . . 104.97
12 S 7987 U. UPL-20T 20-Wott PA Amplifier. Without logic circuitry. Shpg. wt., 17 Ibs. \$5 Monthly. . . . . . . . . . . . . . 92.37


Accessories for Power-Line Amplifiers

## Cassette Playback Deck ${ }^{8} 6995$ <br> \$5 monthly

Phono Top
$\$ 32^{97}$
$\$ 5$ monthly


Model CP-1. Top-mounting unit provides for superb playback, through the AUX input, of pre-recorded standard cassette tapes. Useful for background music as well as pre-recorded lectures or any other material requiring the fine-periorming quality of tape with the simplicity of handling provided by the cassette principle. Monophonic. $31 / 6 \times 51 / 2 \times 81 / /^{\prime \prime}$. For 117 VAC. Shpg. wt., 6 lbs.
1257989 X. 55 Monthly.

Model PT-210. Designed to provide rugged, dependable operation. Three-speed monophonic phono player specially made for top-mounting onto the Power-Line amplifier. Mounts in seconds with just a screwdriver, Fquipped with a dual stylus (stereo microgroove and 78 rpm ) flip-over sapphire cartridge for playing any stereo or mono record. $43 / 4 \times 14^{3} 8 \times 834^{\circ}$. For 117 VAC. Shpg. wt., 6 lbs.
12 S $7988 \times .8$ Monthly.
32.97

## Exclusive Low Price . . Allied Bought Amphenol's Entire Stock!

## \$4995

\$5 monthly

## 5 WATTS SOLID-STATE

- 8 Switch-Selected Channels
- 100\% Madulation Capability
- Excellent 1- V V Sensitivity
- $\pm 10-\mathrm{kHz}$ Selectivity at 20 dB
- Full 1. Waft Audio Output
- 300-mA No-Signal Current Drain
- 14-Transistor, 3-Diode Circuit
- Easy Installation . . Only $2 \times 6 \times 8$ "
- Operates from 12-VDC Source



## Courier Port-a-Lab Ham-CB Tester



Model 725. Never before have we offered a factory assembled solid-state 2 -way radio, with so many features, at a price this low. Modern all-semiconductor circuit punches out a clear signal that gets your messages through. Offers crystal-controlled transmit and receive on up to 8 channels. The ultracompact 725 measures only $2 \times 6 \times 8^{\prime \prime}$ so that you can easily install it in any car, including the smallest foreign models. Simple operation, too-almost as easy to use as a telephone.
Front panel contains only three knobs (combination on/off, Volume, SquelchControl, plus 8-Channel Selector Knob). There's also a pilot light to indicate whether set is turned off or on. Powerful 5 -watt-input transmitter with $100 \%$ modulation capability provides full operating range and maximum talk power. Harmonic radiation is down 50 dB or better. Sensitive ( $1 \mu \mathrm{~V}$ for $10 \mathrm{~dB} \mathrm{~S}+\mathrm{N}$ / N) superhet receiver brings in the hard-to-get signals. Full one-watt audio output for plenty of volume.
Only 1- $\boldsymbol{V}$ signal input to superhet receiver provides 1-watt audio output to speaker. Excellent selectivity of $\pm 10 \mathrm{kHz}$ at 20 dB assures outstanding reception with minimum interference. Image rejection is better than 10 dB . Low $300-\mathrm{mA}$ no-signal current drain ( 1 amp at full audio) conserves your battery. Only $2 \times 6 \times 8^{\prime \prime}$. Complete with heavy-duty mobile mounting kit, push-to-talk dynamic microphone with coil cord, Channel 9 transmit and receive crystals installed. For operation from 12 VDC negative ground. Shpg. wt., 5 lbs. 17 S 6439 X. 85 Monthly. $\qquad$

# Amphenol 8-Channel Solid-State Citizens Band 

 2-Way Radio. . Priced Lower Than Some Kits

Was $\$ 10996$. Exciting $\$ 20.00$ price cut on feature-packed CB base/mobile 2-way radio! Crastal-controlled transmit and receive on up to 10 channels. Sensitive dual-conversion superhet receiver manually tunes all 23 channels. Has fultpower 5-watt transmitter. 16 transistors, 7 diodes, thermistor. Meter reads car battery voltage, signal strength, modu-
lation level of RF carrier. Has crystal selector; crystal/manual receiver tune switch; PA/squelch switch; on /off volume control; PA/speaker jack. Takes 50 -ohm antenna. Size, $21 / 2 \times 10 \times 7^{\prime \prime}$. With push-totalk mike, mounting bracket, AC and DC power cords, Channel 11 crystals. 117 VAC/ 12 VDC. Japan. Wt., 8 lbs. 17 S 6825 RU, $\$ 5$ Monthly.............. 89.95

Save ${ }^{\$ 20.00}$

$\$ 5$ monthly

Full-Power Five-W att 10-Channei Transinitter.. Sensitive Dual-Conversion Superhet Receiver Manually Tunes All 23 CB Channels

(A) AluED 23-Channel Mobile-Base CB 2-Way Radio with All Crystals
$\$ 195$ - Frequency Synthesis, No Crystals to Buy

- Solid-State 115 VAC/ 12 VDC Supply
- Dual-Conversion Receiver - PA Facility

Model A-2567. Was 8179.95 in Cat. 280. Built-in solid-state 115 VAC base and 12 VDC mobile power supply. Frequency syr thesis gives you crystal-controlled transmit and receive on all 23 channels. 5 -watt transmitter has $100 \%$ modulation capability plus Range Expander to boost "talk power." Illuminated meter reads SWR, forward/ reverse refected power, signal strength. Dual-conversion superhet receiver with delta tuning to pull in off-frequency stations. Adjustable squelch, ANL, 4" speaker, PA facility. 10 tubes, 13 diodes, 2 transistors. Pi network matches any CB anterna. $71 / 2 \times 133 / 8 \times 51 / 2$. With all crystals, power cords, noise-canceling mike, mobile mount. Wt., $18 \frac{9}{4}$ lbs. 17S 6435 RU. 89 Monthly. . ............................. 164.95

B ALLIED 23-Channel Mobile CB 2-Way Radio with All Grystals
$\$ 295$ - Frequency Synthesis, No Crystols to Buy

- Solid-State Transmit/Receive Switching
- $0.2 \mu \mathrm{~V}$ Sensitivity for $10 \mathrm{~dB} \mathrm{~S} / \mathrm{N}$ Ratio

Model A-2569. Was $\$ 149.95$ in Cat. 280 . Now at an exciting low price! Full 5-watt input plus speech compressor assure maximum range and talk power. Dual-conversion superhet receiver has $0.2 \mu \mathrm{~V}$ sensitivity for $10 \mathrm{~dB} \mathrm{~S} / \mathrm{N}$ ratio; adjustable squelch, AGC, and ANL. 15 silicon transistors, 4 FET 's, an integrated circuit, 10 silicon diodes, and zener diode. Takes 50 -chm antenna. Jacks for external speaker or PA. $15 / 8 \times 61 / 4 \times 71 / 4^{\prime \prime}$. With push-to-talk ceramic mike and mounting bracket for simple installation in car or boat. For 12 VDC. Shpg. wt., 4 lbs .

17 S 6468 RX. AC Power Supply. Shpg.
wt., 4 lbs. \&.5 Monthly........... 19.95
ALLIED

## Johnson 23-Channel CB 2-Way Radios



## Solid-State 2-Way Radio with Speech Compression

- Stable 23-Channel Frequency Systhesizer
- No Crystols to Buy
- Speech Compressor for More Power, Range
- Instant-On Solid-State Circuit-No Tube:
- Five Watts DC Irrpui
- $0.5-\mu \vee$ Sensirivity

Messenger 123. Delivers a clear, powerful signal ideal for crowded, noisy conditions. 5-watt DC input and speech compression assure maximum-range communications. Excellent $0.5-\mu \mathrm{V}$ sensitivity (for $10-\mathrm{dB} S+N / N)$ and an effective noise limiter let you bring in those weak stations with greater readability. Squelch circuit eliminates noise during stand by operation. AGC prevents blasting and overloading. Temperature compensated from $-20^{\circ}$ to $+140^{\circ} \mathrm{F}$. Illuminated " $\mathrm{S}^{\prime}$ " Meter/Relative-Output Meter. 3 -watt audio output. Takes 50 -ohm antenna. $21 / 2 \times 63 / 16 \times 8^{3} 4^{*}$. For 12 VDC. Shpg. wt., 6 Ibs. 17 S 6454 X. s 9 Monthly. ....................... 169.95

Messenger 223 and Deluxe Mike plus Base Antenna Bonus

Solid-State Mobile Messenger 323 With CB/AM/FM Antenna Bonus


Allied-Knight Antenna Save ${ }^{\text {s }} 8.95$
223 \& Mike Alone With Antenna $\$ 214^{95} \$ 215^{95}$
Separately, 5224.90 . Get this CB 2-way base radio and the $\mathrm{KN}-2505 \mathrm{~A}$ Ground-Plane Antenna for only $\$ 1$ more-a big $\$ 8.95$ savings! Frequency synthesis provides 23 -channel crystal-controlled transmit/receive. Five-watt DC input and speech compression for greater range. Superhet receiver with $0.05-\mu \mathrm{V}$ sensitivity and 3-watt audio output. Illuminated " $S$ " Meter/RelativeOutput Meter with adjustment control. Illuminated "full view" channel selector. On/off Indicator light. $5 \% \times 11 \times 91_{6}$ 16 $^{\circ}$. All crystals, mike. 110 VAC .
17 S 0058 L2U. Shpg. wt., 19 lbs. \& 11 Monthly . . 215.95 17 S 6473 RU. Messenger 223 Alone. Wt., 13 Ibs. . . 214.95


## Solid-State 23-Channel Radio with All Crystals

- Stable 23-Channel Frequency Synthesizer
- No Crystals to Buy
- Instant-On Solid-State Circuit-No Tubes
- Solid-Siate Transmit/ Receive Switching
- Five-Watt DC Input
- Front-Panel Pushbuttons for All Functions
"Skipper." Order now and get 812.00 savings on this fine $C B$ 2-way radio! Compact mobile unit fits easily into car or boat. Frequency synthesis gives you crystal-controlled transmit/receive on all 23 channels, with provision for an extra channel. Ultrasensitive receiver uses FET's and integrated circuits. Five-watt transmitter has solid-state transmit/receive switching. Pushbutton control of PWR, ANL, PAD, SPK, PA functions. Thumbwheel control of volume, squelch, channel selector. Illuminated " $g$ " ineter and channel selector. Takes 50 -ohm antenna. With push-to-talk ceramic mike, multiposition mounting bracket, all crystals. $13 / 4 \times 6 \times 73 / 4^{\prime \prime} .12 \mathrm{VDC}$, negative ground. 17 S 6791 U. Wt., 4 lbs. s 8 Monthly...
147.95


## Save ${ }^{s} 12.00$

Professional-Quality Mobile Model Was $\$ 159.95$

$$
{ }^{8} 147^{95}
$$

\$8 monthly

## Regency CB Mobile 2-Way Radios



## Economical 12-Channel 5-Watt Model with Built-In Public Address Feature

$\$ 999$<br>- $1-\mu \mathrm{V}$ Sensitivity for $10 \mathrm{dBS} \mathrm{S}+\mathrm{N} / \mathrm{N}$<br>- Squelch for Extra Quiet Stand by Operation<br>\$5 monthly<br>- Simplifled Front-Panel-Only 3 Controls

Model 500. Racing stripes in American red-white-and-blue highlight the handsome design of this 2 -way radio. The advanced solid-state circuit goes all-out for top performance on transmit and receive. The 5 -watt-input transmitter delivers a strong signal for maximum range. The better than $1-\mu \mathrm{V}$ sensitivity of the stable superhet receiver lets you tune in the weak stations. Adjustable squelch silences speaker during standby operation to eliminate background noise. Selectivity is 10 kHz at 3 dB . Two-watt audio power output. Built-in PA and external-speaker facilities. $21 / 4 \mathrm{x}$ $51 / 2^{\times 71 / 2 " . ~ S i m p l i f i e d ~ f r o n t-p a n e l ~ c o n t r o l s-o n l y ~} 3$ knobs to use. With push-to-talk ceramic mike, Channel 11 crystals. 12 VDC. Shpg. wt., 6 lbs. 17 S 6592 X. 5 Monthly.
99.95


## 23-Channel 5-Watt CB Model Featuring Dual-Conversion Delta-Tuned Receiver

$\$ 189^{00}$ $\$ 10$ monthly

- Frequency-Synthesized Crystal Control
- All Crystals Supplied for CB Channels - Selective Collins Mechanical Filter

Model GT-523. Designed for maximum intelligibility, high efficiency, and long life. Simplified front panel has only four controls for easy operation. Includes the latest advances in solid-state circuits plus red-white-and-blue racing stripes. Full 5-watt transmitter is the most powerful you can buy. Receiver has better than $1-\mu \mathrm{V}$ sensitivity for $10 \mathrm{~dB} \mathrm{~S}+\mathrm{N} / \mathrm{N}$ : adjustable squelch for quiet standby operation; an excellent 8 kHz selectivity at 6 dB . Full 2 watts audio power output. Built-in PA and externalspeaker facilities. $21 / 4 \times 51 / 2 \times 712^{\prime \prime}$. With push-to-talk ceramic mike, all crystals. For 12 VDC. Shpg. wt., 6 lbs. 17 S 6593 X. s 10 Monthly.
189.00

## Prices Slashed on Midland CB 2-Way Radios



- Dual-Conversion Receiver
- FET RF Stage for Highest Gain
- Provision for Public Address

Was \$189.95. Model 13-865. Exciting sale price for a top-performing Citizens Band two-way radio, ready for 23-channel mobile operation. Crystalcontrolled transmit and receive on all 23 channels, with frequency synthesis circuit-all erystals included. Full 5watt transmitter input, with plenty of talk power. Dual-conversion superhet receiver has $0.5 \mu \mathrm{~V}$ sensitivity (for 10 dB signal-to-noise ratio) to pull in weak stations. Field Effert Transistor KF atage for high-gain reception. Variable squelch control

## Save ${ }^{\$} 40$

silences receiver between calls. Automatic Noise Limiter cuts ignition noise and other interference. Combination RF Output/S/battery level meter. Provision for use as public: address amplifier. Built-in speaker. Solid-Btate circuit uses 18 transistors, 5 diodes, thermistor. Size, $21 / 2 \times 61 / 8 \times 71 / 8^{\circ}$. Complete with push-to-talk microphone, mobile mounting bracket, power cord, and crystals for all 23 CB channels. For 12 volts DC. From Jupan. Shyg. wt.. $6 \mathrm{ll}_{3}$.
17 S 0029 L2RU. \&i Munhly.
99.95


## Save ${ }^{\$} 30$

- Frequency Synthesis Circuir
- 117 VAC/ 12 VDC Power Supply
- Dual-Conversion Recelver
$\$ 139^{95}$
monthly


## Solid-State 5-Watt 23-Channel Base/Mohile Citizens Band Two-Way Radio with All Crystals

Wus 5169.95 . Model 13-875. New low price on this deluxe solid-state CB price on this deluxe solid-state CB
two-way radio, featuring frequencysynthesized circuit. Crystal-controlled
transmit and receive on all 23 CB synthesized circuit. Crystal-controlled
transmit and receive on all 23 CB channels-no extra crystals to buy. Universal 117 VAC/12 VDC power supply lets you use it for both hase and mobile operation. Dual conversion receiver has HF stage for better than $1-\mu \mathrm{V}$ sensitivity, 10 dB signal-to-noise ratio with Automatic Noime Limiter. Mechanical filter for superior imake rejection, greater semobile operation. RF stave for
lectivity. Integrated circuit in IF stages for highest efficiency. Variable squelch control silences receiver between calls. Built-in $3 \times 5^{\prime \prime}$ speaker. Frequency stability better than $0.005 \%$. Silicon transistor circuit with full 5 -watt transmitter input. Combined Power-Output/S meter. Illuminated channel selector and neter for easy mobile operation. $50-$ ohm pi-network output matches any antenna. Push-to-talk dymamic mike. $51 / 4 \times 12 \times 9^{\circ}$. Japan. Shpg. wt., 7 lhs, 17 S 6467 RU. ה\% Monthly. ..... 139.95

## Values in CB and Marine Accessories

## Hy-Galn <br> Quad CB Base Station Antenna

$\$ 5$ monthly


Was $\mathbf{\$ 6 9 . 9 5}$. For top CB base-station performance and high-power Business Band uses. Two-element quad antenna has the directivity and high front-to-back ratio of a beam, but is smaller in size and lighter in weight. Features extended aperture elements and selectable polarity to provide optimum tuning, more gain (39.5-watt CB talk power), better front-to-back and front-to-side performance. an well as more capture area on receive. You get vertical or horizontal switch-selection of incoming signals with reduction of interfering skip signals. DC ground. All-aluminum frame. 52 ohms. Fits $11 / 15 / 8^{\circ}$ masts. 17 lbs . Express. 17C8345 RZW. s5 Monihly...
59.95
W. 5 \$124.45. Receiver standard AM broadeasts; 200-400 kHz for weather and marine beacons; 1.5-4.5 M Hz marine band: plus all 23 Citizens Band channels, spread over 2 bands. Solid-state cirruit, squelch control, whip antenna, dial light. Radio direction finder works on all bands. Rotating antenna with snap-on CB loop makes it easy to take accurate bearings, with precision null meter and level control to adjust sensitivity. Calibrated optical sights flip up for visual use. Jacks for external battery, antenna. Bracket for vertical or horizontal mounting, batteries, AC adapter. Japan. Wt., 8 lbs.

17 S 6792 U. So Monthly
89.95

## NEW <br> Mark Solid-State CB Battery-Boost Regulator


$\$ 29^{95}$
$\$ 5$ monthly

- Provider Constant DC Voltage to Mobile Transceivers
- Boosts Performance of CB Equipment
- Up to 2-Amp Regulated Output

Model BBR-1216. Provides stable, constant voltage to mobile CB and Business Band 2-Way radios. Insures optimum power output, highest receiver sensitivity. Boosts battery voltage to higher value during batteryvoltage variations-delivers $15.5-\mathrm{VDC}$ fixed output (internally adjustable, $12-16$ volts) to equipment. Excellent regulation, no-load to full rated output of 2 amps. Protects equipment from surges. Input, 11-16 VDC. 10 transistors, 2 diodes, 1 zener diode. Fused. On-off switch. Serew terminals. $4 \times 61 / 2 \times 25 / 8^{\circ}$. Wt., $2^{1 / 2}$ lbs. 17 S $6744 \times$. 5 Monthly.
29.95

Battery or AC Operation $\$ 89^{95}$
$\$ 5$ monthly

Save
${ }^{\text {s }} 40.00$

## Nova CB 5-Band Radio/Direction Finder



Depth Sounder by Hartman ${ }^{5} 69^{95}$

DF-303. Portable depth/fish finder locates schools of fish, underwater wrecks, etc.; indicates depth down to 120 feet. Cltra-sensitive integrated circuitry. Flashing neon indicator; 20 soundings per second. Beam width. $30^{\circ}$. Easy-mounting $1^{\prime \prime}$ dia. transducer. With 9 and 1.4 V batteries. $2 \times 5 \times 6 \frac{1}{2}{ }^{\circ}$. Wt., 1 lb .
1759796 S. so Monthly.
69.95

## NEW

## Wireless Tach by Hartman $\$ 49^{95}$



ST-703. Portable wireless tachometer for spark innition engines-no connections, no installation. Detects engine trouble, determines highest efficiency. Reads 0-8000 rpm with $3 \%$ accuracy. On-off sensitivity control. Size, $2 \times 5 \times 61 / 2^{\circ}$. With 9 -volt battery. Wt., 1 lb . 1759797 S. \$5 Monthly.
49.95


# Save Up to $\$ 12.95$ on Courier 23 CB 2-Way Radio with Bonus 

Your Choice of Mobile or Base Antenna

Complete $50^{\prime \prime}$ Telescoping Mobile Antenna for CB Transmit-Receive, AM-FM$60^{\prime \prime}$ Leads plus Connectors

1/4
Save ${ }^{8} 11.95$

KN-2570 Base Antenna: $7^{\prime}$ $4^{*}$ Rodiator, Three $9^{\prime}$ Radials 52 Ohms, 1.25:1 VSWR.
Takes $11 / 4$ " to $15 / \mathbf{"}^{\prime \prime}$ Masts

## Save

${ }^{\text {s }} 12.95$

$" 23 "$
Alone $\$ 18000$
$\$ 10$ monthly
With Antenna
$\$ 190^{00}$
$\$ 10$ monthly

## 23-Channel 5-Watt Base/Mobile CB 2-Way Radio with All Crystals plus Choice of Antenna Bonus

Reliable frequency-synthesized 23 -channel CB 2 -way radio with Allied. Knight antenna for only $\$ 1.00$ more. Has $0.25 \mu \mathrm{~V}$ sensitivity for $10 \mathrm{~dB} \mathrm{~S} / \mathrm{N}$. Range expander, bandspread, squelch, ANL, AVC. Standby, PA-CE switches; headphone/external-speaker jack; S/RF meter; modulation indicator. Pi-network takes $30-100$ ohm antennas. $5 \times 121 / 2 \times 73^{\prime \prime} .127 \mathrm{VAC}$ 12 VDC. With power cable, mobile mounting bracket, rrestals for 23 CB channels. With Bonus Base or Mobile Antenna.
17 S 0035 L 2 U . With Mobile Antenna. 18 Ibs. Separately, s301.95 ... ... 190.00 1750033 L2U. With Base Antenna. 24 lbs. Separately, $\$ 2(18895 . . . . . . .190 .00$ 1756526 RU. Courier 23 Alone. Shpg. wt., 16 lbs. $\$ 10$ Momorly...... 189.00


Was \$99.95. Model 13-775. Big \$20.00 savings on this delmxe solid-state CB walkie-talkie. Up to 6 crystal-controlled transmit/receive channels. $1.2-\mu \mathrm{V}$ sensitivity for $10-\mathrm{dB}$ S/N; 5 watts DC input. S/RF meter, squelch, $\triangle G C$. PA switch; jacks for external antenna, earphone, extension speaker and mike, PA speaker, battery charger. 60* telescoping antenna. Hi-lo battery saver. Metal case, $9: 4 x$ $41 / 3 \times 23 / 16^{\circ}$. FCC license needed. With case, strap, Channe $[7$ crystals. Order 8 alkaline or 10 Ni -Cad batteries Japan. 1759707 RS. Shpg. wt., 5 lbs. $\$ 5$ Monthly. .
79.95

## HALFPRICE SALE

## 

## Compact Extra-Sensitive 100.mW Walkie-Talkie

$\$ 1547^{\text {- Only }} 5 \frac{1 / 4 \times 1 \% \times 1}{}$ - Tuned RF Stage<br>- Battery Meter

Was 524.95. Model 13-125. Twoway communications for everyone. Ideal for hunting, fishing, boating, sports. Compact. diecast case. Solid-state circuit. Supemet receiver has tuned RF stage, $3-\mu \mathrm{V}$ sensitivity for $10-\mathrm{dB}$ $\mathrm{S} / \mathrm{N}$. Transmitter has $100-\mathrm{mW}$ DC imput, $100 \%$ modulation, Meter shows condition of battery. $44^{\prime \prime}$ telescoping antenna. Chrome front, high-impact back, 51/4× $7 / 8 \times 1^{\prime}$. External power, charger jacks." No FCC license needed; no age limit. With carrying strap. battery, Channel 11 crystals. Japan. Wt., 1 lb. 17 S 8182 RS.
12.47

## 1-Waft Walkie-Talkie Has

 Call Signal, 3 Channels$\$ 009$ - AVC - Squelch<br>- AVC Squelch<br>- Battery Meter

Was 834.95. Model 13-710. Price cut $\$ 5.00$ on 1 -watt-input solidstate walkie-talkie! Crystal-controlled transmit/receive. Call Signal for alerting others to your calls. Superhet receiver with AVC and adjustable squelch for stable, quiet operation. Meter shrows battery condition. AC adapter, charger, earphone jacks; $60^{\prime \prime}$ telescoping antenna. Chrometrimmed metal case, $73^{3} / 42^{3 / 4} \times 2^{\prime \prime}$. FCC license needed. With carrying strap, Channel 11 crystals. Order alkaline batteries (uses 8) below, extra crystals on page 46. Japan. Shpg. wt., 4 lbs. I7 S 9805 RS. $\$ 5$ Monthly.
29.95

## USEFUL WALKIE-TALKIE ACCESSORIES

17 S 9769 RS. Rechargeable Nickel-Cadmium Battery Pack. For all units on this page. Shpg. wt., 11 oz .
18 S 5131 R. Alkaline Batteries. Shpg. wt, 4 oz.
Pkg. of 2 for $66 \$$
17 S 9643 R. 12 -Volt Battery Charger. Skpg. wt., 6 oz.
18 S 5636 R. Rechargeable Nickel-Cadmium Batteries for Model 13-775. Requises 10. Shpg. wt., 3 oz .

Each 1.93
17 S 9712 RS. AC Adapter/12-Volt Battery Charger for Model 13-775. Shpg. wt., 1 lb .
22.95

## All Prices Cut! Save Up to ${ }^{\mathbf{5} 20.00}$ on Midland CB Walkie-Talkies

## Save ${ }^{\$} 5.00$



## \$20.00 Price Cut on Full-Power 5-Watt 3-Channel Walkie-Talkie

 - AVC, Squelch, Tuned RF Stage $\$ 5$ monthlyWas $\$ 79.95$. Model 13-765. Offers full 5 -watt input, high receiving sensitivity. Push-pull audio, variable squelch, automatic volume control Built-in $60^{*}$ telescoping antenna, jack for external antenna. Metal case with die-cast front, $91 / 2 \times 31 / 2 \times 21 / 2^{n}$. FCC license needed. Alkaline batteries (uses 8) left, extra crystals on page 46. With shoulder strap, Channel 11 crystals. Japan. Wt., 5 lbs. 1759804 RS. 55 Monthly.
59.95

Coax Cable \& Plugs
Was $\$ 8.95$. $100-\mathrm{ft}$. RG-58/U ready-to-use coaxial cable with PL-259 connectors attached. Cuts line loss, boosts efficiency. Polyethylene foam dielectric, PVC jacket.
1756884 . $100^{\prime}$ Coil. 4 lbs.
6.95

## 102" Whip Antenna Package

 (1) Save Save$\$ 1.90$$\quad \mathbf{1 5}^{05}$

Was \$16.95. Outstanding quality at a low price. Consists of stainless-steel whip and bumper mount, triplechromed ball and high-impact spring, base, gutter clip, $20^{\prime}$ RG-58 © coax with PL-259 plug. Wt., 8 libs.
17 S 6705 RX.
15.05

## (A) Deluxe Colinear Antenna

Allied-Knight KN-2572. Was $\$ 24.95$. $5 / 8$-wave CB base. $19^{\prime} 10^{\prime \prime}$ aluminum radiator: three 9 ' radials; top hat; center akirt. $4-\mathrm{dB}$ gain. DC ground. For $114-15 / 8{ }^{\prime \prime}$ masts. Hdwe. 17 S 6702 RX. Wt., $71 / 2$ lbs. . 19.95
(B) Ground-Plane Anfenna

Allied-Knight KN-2505A. Was 89.95. Omnidirectional CB base antenna. Seamless aluminum radiator and radials. Unity gain. Beta match. DC gnd. For $1-15 / 8$. masts. Hdwe. 1756714 RX. Wt., 6 lbs....... 7.95


Save 32.00 ${ }^{\$} 19^{95}$
\$5 monthly

## Save on Fine Dual Meter . . Reads SWR and Power

Was \$91.95. Simultaneous readings of RF output, reflected power to $2000 \mathrm{~W}, 175 \mathrm{MHz} .100 \mu \mathrm{~A}$ movements, Low insertion loss. Can be left in line. $41 / 4 \times 21 / 4 \times 21 / 2,2 \mathrm{lbs}$ 1759721 R. R5 Monthly
19.95


## Honeywell Electronio Thermometer

 Save ${ }^{825.00}$ ${ }^{24^{55}}$Was 59.95. Gives indoor reading of outdoor teniperature. $4^{\prime}$ scale. With $30^{\prime}$ wire. Up to $200^{\prime}$ can be added. Order battery below.
1758360 RX. 2 lbs. $x 5$ Mmuthly. 24.95 18 S 5961 R. Battery. $402 . .2$ for 1.06

Crystals for Popular CB Equipment and Walkie-Talkies (Sove $30 \%$ when you buy in lots of 10 )
New 10-lot price offers savings with 10 or more crystals. Specify Stock Na. from Toble. Channel 1-23. Wt, 3 oz. (Channels May Be Assorted for Quantily Prices.) To Order: Each......2.50 3.9 .......Each 1.94 10.Up.....Each 1.75


# Save Up to ${ }^{\text {s } 70.00}$ on Hallicrafters Equipment 

## Save ${ }^{\text {s }} 70.00$

## $\$ 159^{95}$

\$8 monthly
Solid-State 20-Watf Receiver Tunes Stereo FM plus AM, Longwave and Shortwave

## Deluxe 6-Band Stereo FM/AM-SW-LW Receiver

Madel CR-3000. Was 8229.95 . Remarkable valuel Covers $190-400 \mathrm{kHz}$ (LW); $550-1600 \mathrm{kHz}$ (standard AM broadcast); 2-4, $5.85-10.3,11-18 \mathrm{MHz}$ (SW); $88-108 \mathrm{MHz}$ (FM). Delivers 20 watts rms continuous power. $70-15,000 \mathrm{~Hz}$ res ponse. Stereo indicator light; tuning meter; balance, bass, treble controls. AGC smooths out signal variations. AFC for driftfree FM. BFO permits CW reception. Inputs: ceramic phono, magnetic phono; tape, aux. Stereo headphone jack; tape output; triple antenna system-provision for external antennas. Requires two 8 -ohm speakers. Vinyl-covered steel cabinet, $5 x$ $151 / 8 \times 12^{1 / 4}{ }^{\prime \prime}$. For 117 VAC. Shpg. wt., 24 lbs.
$17 \mathrm{~S} 9892^{\text {RUU. }} 88$ Monthy

## NOT AVAILABLE



## VHF Emergency and Aircraft Monitors

Was $\$ 49.95$. Hear dramatic police and eruer fney calls. Superhet circuit has RF stage 3 IF, 4 Qanc, automatic noise limiter squy . watt audio gutur b 1 speaker. Slide-rule dial. High-impag ${ }^{2}$. $51 / 2 \times 131 / 8 x 3^{1 / 2^{\prime \prime}}$. For 117 VAC. Japan. Shpg. wt., 5 libs. s. Monthly.






Was $\$ 99.95$. Big $\$ 20.00$ savings on this 5 -band portable radio with direction finder! Sensitive solid-state radio tunes $540-1600 \mathrm{kHz}$ AM BC band; $185-100 \mathrm{kHz}$ AM LW band; $2-5.2,5.2-15.5 \mathrm{MHz}$ AM SW bands; 108 135 MHz AM VHF aircraft band. Direction finder tunes $540-1600 \mathrm{kHz}, 185-400 \mathrm{kHz}, 2-5.2 \mathrm{MHz}$ bands. $6 \times 12 \mathrm{x}$ $3^{\prime \prime}$. Batteries below. Japan. 10 lbs.
17 S 9910 RU. Model CR-50 "Sea-Air." \$5 Monthiy. 79.95 CR-44 "Ranger:" Fas \$119.95. Outstanding value! Above, but $88-108 \mathrm{MHz}$ FM BC band, $152-1^{7} 74 \mathrm{MHz}$ FM Public Service band instead of $5.2-15.5,108-135$ MHz bands. Batteries below. Japan. Shpg. wt., 10 lbs. 17 S 9915 RU. 55 Monthly. ........................ 99.95 18 S 5079 R. "D" Batteries. (Uses 4.) 10 oz. . . 4 for $65 ¢$

## Portable Radio-

 Direction FindersSave ${ }^{\$ 20.00}$

$$
\begin{array}{cc}
\text { Low } & \$ 7995 \\
\text { As } & \$ 5 \text { monthly }
\end{array}
$$

Values in Portable VHF Monifors

$$
\begin{gathered}
\text { Save } \\
\$ 5.00
\end{gathered} \quad \underset{\text { ss montly }}{\$ 34^{95}}
$$

Was 839.95. Hear police, fire, civil defense, weather, railroads, trucks, aircraft (AM). Solid-state, sensitive, selective receiver with AGC, noise limiter. Telescoping antenna. Provision for external antenna, headphones. $6 \times 23 / 4 \times 15 / 8$. Battery below. Japan. Wt., 1 lb. 17 S 9875 RS.CRX-102.144-174MHz FM......................... 34.95 17 S 9870 RS. CRX-100. Above, but covers $27-50 \mathrm{MHz}$ FM....... 34.95 17 S 9872 RS. CRX-101. Above, but $108-135 \mathrm{MHz}$ aircraft band. 34.95 18 S 5980 R. 9 V Battery. 6 oz. $2 / 59 \phi$


## Low-Cost 6-Band AM-SW-FM Receiver

Was $\$ 79.95$. Save on this excellent instant-on solidstate receiver. Tunes $550-1600 \mathrm{kHz}$ (standard AM broadcast) ; $88-108 \mathrm{MHz}$ (FM) ; 5.9-6.25, 9.4-9.8, 11.65-12.05, $15.05-15.55 \mathrm{MHz}$ (SW). Spread dial tuning on shortwave bands; AFC for drift-free FM; 1-watt audio output; built-in speaker; tone control; built-in triple antenna system with provision for external antennas. Illuminated slide-rule dial. Vinyl-covered metal cabinet, $57 / 8 \times 137 / 8 \times 8^{\circ} .115 \mathrm{~V} \quad 50-60 \mathrm{~Hz} \mathrm{AC}$.
17 S 9884 RU. Shpg. wt., 10 lbs. $\$ 5$ Monthly. ..... 74.95


## Save ${ }^{55.00}$ ${ }^{8} 69^{95}$ <br> \$5 monthly

Hear police, fire, emergency, business, government and other services. Check local authorities for frequencies in your area.

## ALLIED ${ }^{*}$ Dual-Band VHF-FM Monitor

## Tunes Both $\mathbf{3 0 - 5 0} \mathrm{MHz}$ and $\mathbf{1 5 2 - 1 7 4} \mathbf{M H z}$ VHF-FM Bands

Model A 2589. Formerly sale priced at o low 874.95 . now yours at an additional 85.00 saring! Monitor receiver covers both $30-50$ and $152-174 \mathrm{MHz}$ VHFFM public service bands.
Solid-state circuit boasts four IF stages, tuned RF and mixer ranges for excellent sensitivity and selectivity. Powerful push-pull audio output provides clear, static-free sound through built-in 4' speaker. Automatic Volume Control prevents overload by strong
signals and builds up weak signals, Adjustable squelch eliminates background noise during standby. Gray metal case, $57 / 16^{6} 117 / 8 \times 7 \% 4^{\circ}$. Antennas below increase reception. For 117 V , $50-60 \mathrm{~Hz}$ AC. Japan. 11 lbs. 17 S 6980 RU. $\$ 5$ Monthly. 17 S 6714 RX. Allied-Knight Ground Plane Antenna. Shpg. wt., 6 llss. . . . 7.95 17 S 6716 R. Antenna Specialists MON-8 Deluxe Ground Plane. 6 lbs....... 19.95 17 S 8522 R. $100^{\prime}$ RG-8/U. 11 lbs. 13.95



Optional Speaker

## Save ${ }^{\$ 10.00}$ <br> 

$\$ 5$ monthly
Tunes the world on 5 -bands including 80.10 meter Ham bands

ALIIED

## ALLIED 5-Band Ham/SW Receiver

## AM/CW/SSB Receiver Operates on 117 VAC and 12 VDC

Model A 2515. Was \&99.95. Buy now and save $\$ 10.00$. Versatile solid-state receiver covers $150-400 \mathrm{kHz}$ longwave, $550-1600 \mathrm{kHz} \mathrm{AM}, 1.6-4.8 \mathrm{MHz}, 4.8$ 14.5 MHz and $10.5-30 \mathrm{MHz}$ international shortwave. Includes logging scale and calibrated bandspread for 80-10 meter Amateur bands.
Boasts two FET's in RF stage for sensitivity and low noise. Four mechanical filters for best selectivity. Large, illuminated slide-rule dial and illuminated S-meter make tuning easy. Front-panel antenaa trimmer;
noise limiter; AVC. Built-in variable BFO and product detector for code and single-sideband reception. Dual power supply for 117 VAC or 12 VDC, neg. gnd. Gray metal cabinet, $75 / 8$ x $15 \times 10^{2}$. Vinyl cover. Takes optional speaker below. From Japan. Shpg. wt., 23 lbs.
17 S 6985 RU. 35 Monthly. . . . . . 89.95 Matching Speaker. $3 \times 5$ " speaker in steel cabinet. $7^{13} / 16 \times 3^{9} / 16 \times 5^{13} / 16^{\circ}$. 17 S 6986 RX. 3 lbs. 9.95

17 S 6226 R. Headphones, 1 1b.... 5.95 1758424 RX. SW Antenna. $21 / 2$ lbs. $6.95^{\wedge}$


## Electra Bearcat Solid-State Battery/AC FM Monitor

Unique new monitor antomatically scans up to eight crystal-controlled channels within a 10 MHz spread. Locks in on the first channel to become active. then resumes scanning when that channel becomes inactive. Manual selection also.
Channel indicator lamp lights for each channel as it is selected. Solidstate circuit has FET's in front end and six IC's in switching and limiterdiscriminator circuits. Adjustable
squelch control. Built-in telescoping antenna; Motorola-type jack for auto or external antenna. Metal case, $4 x$ $9 \times 6$ ". With cables for 117 VAC and 12 VDC neg. ground, mobile mtg. bkt. Order crystal card below. 5 lbs
17 S $9216 \mathrm{U} .150-174 \mathrm{MHz}, \ldots . . .139 .95$ 17 S 9215 U. $450-470 \mathrm{MHz}$..... 149.95 1759668 S. Crystal Certificate Card. Required for each frequency. Fill out card, send to mfr. Crystal sent within 30 days.

Ea. 5.00

## Eight-Channel FM Monitor with Automatic Scanning System

 Low As ${ }^{5} 13995$$\$ 7$ monthly
Two Crystal-Controlled Models: 150 to 174 MHz VHF-FM Band 450 to 470 MHz UHF-FM Band
[A] Avanti Base Antenna
"interceptor." Modified "J". Seamless aluminum. Covers $25-50 \mathrm{MHz}$ and 108 174 MHz VHF. Lightning protected. $9^{\prime}$ high. 50 olims. 3 dB gain on $16^{\prime}$ mast. SO-239 connector.
17 S 9217 X .2 lbs..
14.95
"Tracer." As above but for $440-470$ $\mathrm{MHz} .40^{\circ}$ high. 3 dB gain. Mast.
$1759218 \times .11 / 2 \mathrm{lbs} . .$.
9.95
[ MON- 7 Portable Antenna
Antenna Specialists. High-performance center-loaded portable antenma for $25-50$ and $130-174 \mathrm{MHz}$. Telescopic whip. Self-supporting.
17 S 9219 X .12 oz ..
10.95

## © MON-2 Mobile Antenna

Antenna Specialists. "Quick-Grip" nohole trunk lid mount. For 130-174 and $430-470 \mathrm{MHz}$. Screw-type adapter for field cutting to exact frequency. With 16 -ft. RG-58/U coax, pin plug, PL-259 adapter.
17 S 6150 RX. 2 lbs.
13.95

(A)
(B)
(C)
$\$ 99^{00}$
$\$ 5$ monthly

Courier Mobile Linear Amplifier for 25-50 MHz Business Band


## Delivers 200 Watts PEP or 100 Watts DC

- No Internal Connections to Iransceiver
- Complete with Builr-in Antenna Relay
- Only 3.5-Watt Drive for Full Output

Mobile Business-Band linear amplifier increases your operating input power to 200 watts PEP, 100 watts DC for improved range and dependability. Provides up to 50 watts RF output with only 3.5 -watt drive on $25-50 \mathrm{MHz}$. Solid-state/two-tube circuit draws only 2 amps in receive. Tuning light. For 12 VDC. $23 / 4 x$ $71 / 4 \times 81 / 2^{\prime \prime}$. Hlegal on CB Class D.
17 S 6530 RU. 7 lbs. 85 Monthly.
99.00

## Beat the high costs of auto repairs with these Service Aids. . Buy now while prices are cut!

## Knight-Kit Solid-State Universal Auto Analyzer

Do a "spring cleaning" job on your car with this deluxc solid-state auto analyzer kit. Helps you do your own tuneups, make many repairs and adjustments-you'll drive more confidently with a car in top tune. Lightweight and battery powered to allow actual road performance tests. Easy-to-read $7^{\prime \prime}$ meter has D'Arsonval movement. Scales for 0-1200-6000 engine rpm; 0-3.2-16 volts; 0-90 amps; $0-20,000$ ohms; $0-45^{\circ}-60^{\circ}-90^{\circ}$ dwell angle; relative spark output and leakage.
Tachometer circuit indicates engine rpm to help set idle speed and automatic transmission shift points. Dwell-angle scales check distributor operation and spark advance. Checks ignition condensor by substitution. Other scales measure generator output voltage and current, and operation of voltage regulator. Also checks coil resistance; condition of point surfaces; locates poor or open ground circuits; more. Performs forward and reverse tests on alternator diodes.
Single function switch for convenient operation. Calibrate and adjust controls. Metal case, $61 / 2 \times 12 \times 51 / 2^{\prime \prime}$, has compartment for test leads, rubber feet, carrying handle. For 4, 6, 8-cylinder engines: 6, 12-volt systems, positive or negative ground. With comprehensive tuneup and troubleshooting manual; 4 "C" batteries; 90 -amp shunt; test leads; full instructions for easy assembly. From Japan. Shpg. wt., 11 lbs.
22 S 3323 RX. $\$ 5$ Monthly


## Knight-Kit Auto Timing Light Kit

"Stops" Timing Marks with Bright, Sharp Flashes Solid-state timing light kit helps you get top power and fuel economy. Sets ignition timing; checks synchronization of double breaker arms, distributor cam wear, spark advance mechanism. Solid-state DC power supply, 600 -volt fiashtube. Gives 1250 flashes per minute ( 2500 rpm with 4 -cycle engine). High-impact housing, trigger grip. $67 / 8 \mathrm{x}$ $83 \times{ }^{3} \times 5 \frac{1}{2}$-ft. cables for easy under-hood testing. For 6 , 12 volts, positive or negative ground. From Japan. 22 S 3312 RX. Shpg. wt., 2 lbs.

16.95

## Hear dramatic police and emergency calls on your own VHF Monitor . . Buy now at our low spring prices!



## Save s10.00

KG-221A Was. $\$ 49.95$
$\$ 39^{95} \begin{gathered}\text { monthly }\end{gathered}$

KG-220 Was $\$ 44.95$
$\$ 34^{95}$
\$5
monthly

## Knight-Kit 152-174 MHz VHF-FM Monitor Kit

KG-221A. Easy-to-build kit tunes exciting emergency and communications services. Lets you monitor police and fire calls, civil defense, U.S. Weather Bureau forecasts, taxis, private mobile telephones, much more. Features RF stage for excellent sensitivity; two IF stages and ratio detector for topnotch selectivity; factory assembled and aligned front end for simplified assenibly.
Solid-state all-electronic squelch has front panel variable control to silence receiver between calls, opens for signals as sinall as $5 \mu \overline{\mathrm{~V}}$. Velvetsmooth vernier tuning and easy-to-read calibrated dial for fast, precise frequency selection. One-watt output circuit and built-in $3 \times 5^{\prime \prime}$ speaker for plenty of volume. Front panel switch for speaker or headphove reception, headphone jack. Also has pilot light, volume control, screw-type terminals for antenna connection.
Advance design circuit has 5 tubes and transistor for equivalent 8 -tube performance. Transformer power supply has silicon diode rectifier. Blue metal case. $57 / 8 \times 111 / 4 \times 57 / 8^{\prime \prime}$. Charcoal gray and silver front panel. With all parts, step-by-step instructions. For $110-130 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$. Order antenna below for best reception. From Japan. Shpg. wt., 10 lbs.
22 S 3452 RX. $\$ 5$ Monthly.
22 S 3187 RX. Hy-Gain SPG-2 144-174 MHz Antenna. Wt., 2 lbs.
5.40

## Knight-Kit: $30-50 \mathrm{MHz}$ VHF-FM Monitor Kit

KG-220. Same as above, but covers similar services on lower frequency band. No RF stage. Order antenna below. From Japan. Wt., 10 lbs.
22 S 3311 RX. sis Monthly
34.95

22 S 3188 RX . Hy-Gain GP-50 $30-50 \mathrm{MHz}$ Antenna. Wt., 6 lbs........... 12.95
Check with Local Authorities for Specific Frequencies Used in Your Area

## Knight-Kit Compressor/Preamp Kit

## Increases Power and Efficiency of Your CB Rig

Solid-state compressor/preamp (not a clipper) boosts lowlevel signals for $100 \%$ modulation, also limits higher signals to prevent overmodulation. Increases power and efficiency without exceeding legal limits. Serves as lowlevel preamp for both low and high-impedance mikes. Edge-reading meter on-off switch. Connects between mike and transmitter. $27 / 8 \times 61 / 4 \times 3^{\prime \prime}$. Battery below.
22 S 3816 X . Shpg. wt., 3 lbs.
18 S 5980 R. 9-Volt Battery. (Uses 1 ). 6 oz. ............ 2 for 59 C


## Price cut on Stereo Receiver Kit with RF stages plus critical circuits already factory assembled



## Save ${ }^{s} 20.00$

 ${ }^{8} 1199^{960}$. momWas $\$ 139.95$ in Cat. 280

- Transformerless Audio Output Circuit
- Automatic Stereo-Mono Switching
- FM Circuit Has Two RF Stages
- Factory Assembled and Aligned Front-End and IF Circuits
- Tape Monitor Input


## Knight-kit Feature-Packed SiliconTransistor 50-Watt Stereo FM Receiver Kit

- Complementary-Symmetry Amplifier Design for Wide Response
- Channel Separation of Mare Than 50 dB for Stereo Realism
- Harmonic Distortion Less Than 1.0\% at Rated Power Output

Model KG-980. Sensational low price for a truly deluxe stereo FM receiver kit. Features the latest circuit advances: premium silicon transistors used throughout for ultra-stable operation; Complementary-Symmetry amplifier design to eliminate both driver and output transformers for amazingly low distortion and extra-wide power bandwidth. You enjoy true-to-life stereo $\mathbf{F M}$, plus high-fidelity monophonic $\mathbf{F M}$.
FM circuit has two RF stages for excellent sensitivity. Both RF and IF stages are factory assembled and aligned for simplified assembly. Specially selected low-noise transistors in preamp prevent noise and hum in the input circuits. Automatic mono-stereo switching-circuit automatically switches to stereo and indicator light goes on when stereo broadcast is received. Illuminated slide-rule dial; smooth flywheel tuning; signal strength meter. Full array of controls.
Inputs: magnetic phono, tape monitor and aux. (ceramic phono). Speaker. tape, stereo headphone outputs. Positive-action rocker-type switches for reliable operation. FM dipole antenna. Heavy-gauge extruded aluminum front panel with handsome walnut inlay. Overall size, $4 \times 16 \times 13 \frac{1}{2 "}$. With step-by-step instructions. Takes optional case below. For 117 VAC .
22 S 3705 RU. Shpg. wt., 17 lbs. $\$ 6$ Monthly
119.95

22 S 3714 RX. Oiled Walnut Wood Case. Shpg. wt., 8 lbs.
19.95

## KQ.980 50-WATT STEREO FM RECEIVER SPECIFICATIONS

## FM CIRCUIT

Usable IHF Sensitivity: $\mathbf{3}$ microvolts
Response: $=1 \mathrm{~dB}, 30$ to $15,000 \mathrm{~Hz}$
Harmonic Distortion: less than $1.0 \%$
Hum and Noise: -50 dB
Tuning Ranue: 88 through 108 MHz
Capture Ratio: $\mathbf{3} \mathrm{dB}$
IF Rejection: more than 80 dB
Imaje Rejection: more than 30 dB
Sterco FM Channel Separation: 30 dB

## AMPLIFIER CIRCUIT

Output: 50 watts IHF; 34 watts sine wave at 8 ohms
Response: $\pm 1 \mathrm{~dB}, 18$ to $30,000 \mathrm{~Hz}$
Pover Bandividth: 20 to $20,000 \mathrm{~Hz}$
Inputs, Hum and Noisc: Aux., -65 dB ; Mag. Phono
(RIAA equalized), - 60 dB ; Tape Monitor
Channel Separalion: more than 50 dB
Outputs: 4-16 ohms; headphones; recorder
Intermodulation Distortion: less than $1 \%$ at 60 Hz and 7000 Hz mised 4:1 at rated power

## Sale-Priced 6 and 2-Meter Ham Transceiver Kits with Factory Assembled and Aligned RF and Mixer Stages



## YOUR CHOICE

 $\$ 8995 \begin{gathered}\$ 5 \\ \text { monthly }\end{gathered}$Was $\$ 119.95$ in Cat. 280

## SPECIFICATIONS

Receiver: Coverage: 6 meters, 50 $52 \mathrm{MH}_{2} ; 2$ meters, $144-148$ MHz . Input Impedance: 50 ohms. Sensitivity: $0.5 \mu \mathrm{~V}$ for 6 meters; $1.0 \mu \mathrm{~V}$ for 2 meters. Selectivity: $8-\mathrm{kHz}_{z}$ bandwidth at 6 dB down. Audio Output: more than 5 watts at $10 \%$ distortion. Transmitter. RF Power Inpat: 15 watts nominal. Out mut 1 m pedance; $30-90$ ohms, pi-network coupling. Modulation: AM (hilevel plate and screen). Fre quency Conirol: Fundamental ( 8 MHz ) crystals or VFO.


## knight-kit Ham Transceiver kits with Solid-State 115 VAC/12 VDC Power Supplies

## TR-106 6.Meter 50.52 MHz Transceiver Kit

Performance-proven and dependable-ideal for shack or mobile operation. Features factory assembled and aligned nuvistor RF and crystalcontrolled mixer stages for simplified assembly; dual solid-state power supply for 110-130 VAC/12 VDC; dual-conversion receiver section with $0.5 \mu V$ sensitivity. Has AVC section for constant signal level; ANL circuit to eliminate ignition and pulse-type interference.
Efficient three-stage transmitter has doubler, tripler. and straightthrough final amplifier. 15 watts input. Plate and screen modulation for low distortion and excellent linearity. Separate AF and RF gain controls; frequency "spot" switch; illuminated "S"/RF meter; transmit indicator light. Pi-network output matehes $30-90$ ohm antennas.
Rear panel VFO input; VFO power output. Standard SO-239 antenna connector. Three front-panel crystal jacks. Front panel headphone or external speaker jack; built-in speaker. $51 / 2 \times 131 / 8 \times 11^{1}$. Solid-state power supply for $110-130$ VAC $/ 12$ VDC negative ground. With noise-canceling push-to-talk mike, metal case, instructions. Order VFO below. 22 S 3460 RX. Shpg. wt., 22 lbs. 85 Monthly.
89.95

## TR-108 2-Meter 144-148 MHz Transceiver Kił

Similar to above, but covers 2 -meter $144-148 \mathrm{MHz}$ Ham Band. Tubetype RF stage provides good $1.0 \mu \mathrm{~V}$ sensitivity. Doubles in final. Factory assembled and aligned RF and mixer stages. Order VFO below. 22 S 3462 RX. Shpg. wt., 22 lbs. 85 Monthly.
89.95

## Knight-KiE vFo Kit for Above Transceivers

V-107. Six and two-meter VFO kit has Clapp oscillator circuit with careful temperature compensation for excellent stability. Volt-age-regulator-stabilized DC power supply for oscillator. Power is drawn from transceiver. Easy-to-read backlighted dial is calibrated for 6 and 2 -meter Amateur bands. Smooth effortless vernier tuning. $\mathrm{B}+$ switch and indicator light for convenient standby operation. Design matches TR-106 and TR-108 transceivers above. Overall size, $51 / 2 \times 41 / 4 \times 61 / 4^{\circ}$. With all parts, solder. easy-to-follow step-by-step instructions. Shpg. wt., 5 lbs. 22 S 3461 RX. 85 Monthly.
24.95


\$5 monthly



## Professional-quality piggyback Guitar Amplifier Kit with fully assembled Jensen 12" Speaker System



## Save s20.00

Was $\$ 169.95$

## ${ }^{8} 149^{95}$

\$8 monthly

## DELUXE FEATURES

- Solid-State Circuit with FET's in Preamp for Cleaner Sound
- 90 Watts Peak Power Output, and 30 Watts rms Output
- Popular Hammond Reverb Unir for "Concert Hall" Effect
- Separate Treble and Bass Control for Each Channel
- Speaker System Features Two Jensen $12^{\prime \prime}$ Speakers
- Dual Channels with Two Inputs for Each Channel
- All Knobs and Switches Placed for Easy Fingertip Control



## Knight-Kit 90-Watt Guitar Amplifier with Reverb and Tremolo plus Speaker

Model KG-387. This professional outfit makes even the best groups sound bigger and better. Has 90 -watt peak power amplifier with a full array of controls, plus assembled speaker system featuring two Jensen heavy-duty $12^{\prime \prime}$ speakers. Dual channels have two inputs per channel. Amplifier section rides "piggyback" atop speaker enclosure and is eonnected with a convenient plug-in cord.
Normal channel is designed for lead rhythm or bass guitar, voice, sitar, etc. Second channel features special tonal effects-tremolo with separate intensity and rate controls, and reverberation using the popular Hummond reverb unit. Foot switch jack on control panel for remote switching of tremolo and reverb. Separate bass and treble eontrols to boost or cut either channel independently.
Bolid-state circuit uses FET's in preamps for low noise level and distortion-free music. All knobs, switches, inputs and outpats placed for fingertip control. Speaker and amplifier enclosures covered with gray tangle-tweed Tolex. Grille cloth has silver thread diamond pattern on black background. Speaker, $261 / 2 \times 10 \times 22 \frac{1}{4}$; amplifier, $58 / 4 \times 193 / 4 \times 83^{\prime \prime}$. For 115 VAC. Shpg. wt., 60 lbs.

## New low price! Only ${ }^{5} 49.95$ buys you a 23 -channel Two-Way Radio Kit with factory assembled transmitter



## Knight-Kit Solid-State Walkie-Talkie Kit

Fun-to-build kit sends and receives messages up to $1 / 4$ mile! No license or age limitations for operation!

Model C-100. Our lowest price ever for any walkietalkie. buy several at this special closeout price. Easy-to-build and educational, it's an ideal choice for beginning hobbyists. Fun-to-use and practical toogreat for hunting, fishing and camping. Keeps you in touch for distances up to $1 / 4$ mile.
Has 3-transistor circuit. Push-to-talk operation. 2" combination speaker/microphone. Crystal-controlled transmitter; $40^{3}$ telescoping whip antenna. Sensitive super-regenerative receiver.
No age limit or license requirements. High-impact case, $53 / 8 \times 27 / 8 \times 13 / 4$. Detailed step-by-step assembly instruotions. With all parts, solder, Channel 7 transmit crystal. Order battery, carrying ease below.
22 S $3804 X$. Shpg. wt., 14 oz..
2.95

22 S 3013 X . Carrying Case. Shpg. wt., $4 \mathrm{oz} . . .$.
22 S 3005 X. 9 -Volt Battery. Use 1. Wt., 6 oz .. 2 for 59\%


## knight-kit prices reduced on best selling Test Equipment . . don't miss these spring sale values!



Save ${ }^{5} 5.00$ $\begin{array}{cc}\text { With Leads, } \\ \text { Batteries } & \$ 345\end{array}$

Save $\$ 5.00$
With Probe, $\$ \$ 95$

## KG-640 20,000 Ohms/Volt VOM Kit Boasts 57 Measuring Ranges

- 0.8 VDC Range for Accurate Transistor Servicing
- Response to Beyond 200 kHz for Precise AC Readings
- Sensitive Diode-Protected Taut-Band Meter Movement

Reg. \$39.95. Invaluable aid for technicians, hoblyyists, serious experimenters. Uses $1 \%$ precision resistors. Measure AC, DC and output volts, current, resistance, and decibels. Offers 57 measuring ranges covered by a single range/function switch and range doubler. Reads AC Volts: $0-2-4-8-16-40-80-200-400-800-1600-2000-4000$. DC Volts: 0-.8-1.6-8-16-40-80-200-400-800-1600-20004000. Output Volts: $0-2-4-8-16-40-80-200-400$. Ohms: $0-$ $1000-10 \mathrm{~K}, 0-10 \mathrm{meg}$. DC Current: $0-80-160-400-800 \mu \mathrm{~A}$, 8-16-16-200-400 mA, 8-16 amps. -12 to +74 dB . DC accuracy, $\pm 3 \%, \mathrm{AC} \pm 5 \%$. DC polarity reversing; ohms adjust. $63 / 4 \times 51 / 4 \times 33 / 4{ }^{\prime \prime}$. With batteries, test leads, step-by-step instructions. Japan.
22 S 3954 RX. Shpg. wt., 5 lbs. $\$ 5$ Monthly......... . . 34.95 22 S 3582 X. Factory-Wired KG. 640 . Wt., 5 libs. $.5 . . . .49 .95$

## KG-625 $\mathbf{6 n}^{\mathrm{n}}$ VTVM Kit with Single AC-Ohms/DC Probe for Fast Checks

- $1 / 2$-Volt DC Range for Accurate Transistor Work
- Pre-Aged Bridge Tube with Matched Triode Sections
- Reads AC Volts (p-p and rms), DC Volts and Resistance

Reg. $\$ 39.95$. Our finest VTVM kit-now at a reduced price. Push-pull balanced bridge circuit for high accuracy and meter protection; single, switchable AC-ohms / DC probe for quick multiple measurements. Reads DC Volts: $0-5-1.5-5-15-50-150-500-1500$. AC ( $\mathrm{p}-\mathrm{p}$ ) Volts: $0-4.2-14-42-140-420-1400-4200$. AC (rms) Volts: $0-1.5-5-$ $15-50-150-500-1500$. Ohms: $0-1000-10 \mathrm{~K}-100 \mathrm{~K}, 0-1-10-$ $100-1000$ meg. $11-\mathrm{meg} \mathrm{DC}$ input resistance. $200-\mu \mathrm{A}$ meter movement with 10 color-correlated plus zerocenter scales. DC polarity reversing. $73 / 4 \times 12 \times 51 / 2^{\prime \prime}$. With probe, battery. 115 VAC. Japan.
22 S 3975 RX. Shpg. wt., 9 lbs. \$5 Monthly. ...... . . . 34.95
22 S 3563 X. Factory-Wired KG-625. Wt., 9 Ibs... . . . 49.95
22 S 3130 RX. HV Probe. To 25,000 V. 1 lb............. . . 6.95
22 S 3131 RX. RF Probe. To 250 MHz 1 lb............... 5.95


> Sale Priced

Was $\$ 8.88$
in Cat. 280
$\$ \mathbf{6}^{88}$

## 13-Range Pocket VOM Kit for Handy In-The-Field Checks

Low-priced VOM kit with good accuracy. Ideal for servicemen and hobbyists making quick in-the-field checks. Two-color scale, 21/2" meter. Reads DC Volts: $0-5-15-50-150-500$. DC mA: $0-1-10-100$. AC Volts: $0-15-50-150-500$. Ohms: $0-30 \mathrm{~K}$ ( 1200 ohms center scale). 1000 ohms/volt DC sensitivity. $\pm 5 \%$ tolerance multipliers and shunts. $1-\mathrm{mA}$ full scale movement. Black bakelite case has pro-installed jacks. $4 \times 27 / 8 \times 21 / 8^{*}$. With test leads, 112 -volt Type 7 battery, step-by-step instructions. From Japan. 22 S 3708 ' RX . Shpg. wt., 1 lb .

## knight-kit sale priced lab-quality Test Generators with silicon solid-state circuits and latest features


(B) RF Generator with Built-In Crystal Galibrator
> (A) Sweep Generator with Fixed and Variable Markers Sale
Priced $\$ 9995$

> Sale Priced $\$ 995$

## knight-kit bonus sale on color TV Service Aids plus special price-cut on portable Tube Tester Kit



# ${ }^{8} 120^{14}$ \$7 monthly 

Separately, 123.44. Model KG-635. DC-coupled scope has extra-wide response-great for servicing color TV. Features excellent linearity and lock-in characteristics; dynamic sync limiter; automatic astigmatism correction. 1650-volt accelerating potential for bright, sharp traces. Five linear time base ranges: $10-100 \mathrm{~Hz}, 100-1000 \mathrm{~Hz}$, $1-10 \mathrm{kHz}, 10-90 \mathrm{kHz}, 90-400 \mathrm{kHz}$. Vertical sensitivity, 17 $\mathrm{mV} \mathrm{rms} /$ inch min. Horizontal sensitivity, $0.6 \mathrm{~V} \mathrm{rms} / \mathrm{inch}$. Series/shunt peaking and DC coupling for optimum wideband response. Vertical attenuator marked in volts/ inch. Regulated power supply; retrace blanking; tapped primary on transformer. Front panel voltage calibrator output; $X$ and $Y$ linear grids; 5 -way binding posts with standard $3 / 4^{\prime \prime}$ spacing. $11 / 8 \times 7 \frac{7}{8 \times 15} / 8^{\prime \prime}$. 110-130 V, $50-60$ Hz AC. Japan. With Bonus. Shpg. wt., 33 lbs.
22 S 0089 L 2 Z . s7 Monthly.

## DC to 5.2 MHz Response

$5^{n}$ Scope Kit with

## $\$ 9014$ Solid-State Color Bar/ Pattern Generator Kit

Separately, $\$ 93.44$. Model KG-685. Portable, easy-to ${ }^{-}$ operate color bar/pattern generator lets you adjust convergence and color for movie-clear color TV. Generates 7 stable, crystal-controlled displays: purity, tracking and crosshateh patterns; 10 color bars; horizontal and vertical lines; dots. Gray scale pattern provides 6 discrete levels of brightness. Color bars are brightness keyed for precise adjustments. -2 volt output for Zenith sets. Solid-state design. Insulation piercing clips on gun interrupters for fast, positive connection to set under test. Shaded light source with clip mount; storage compartment; service mirror. Special power transformer has low external fieldeliminates magnetic effects on color CRT. Steel case, $45 / 8 \times 95 / 8 \times 12^{*}$. With test cables, full instructions. $110-130$ V, $60 \mathrm{~Hz} \mathrm{AC} .\mathrm{With} \mathrm{Bonus}. \mathrm{Shpg}. \mathrm{wt.} ,171 / 2 \mathrm{lbs}$.
22 S 0090 L2X. 85 M mithly...... .
90.14


Deluxe Portable Tuhe Tester Kit

## CHECKS OVER 2300 TUBE TYPES

Was $\$ 46.50$. Model K6-600B. Professionally-styled tester has GOOD-REPLACE emission scale; GOOD-BAD gas test seale; $0-100$ numerical scale. Tests nuvistors, novars, compactrons; 4, 5,6 , and 7 -pin large tubes; 7,9 and $10-\mathrm{pin}$ miniatures; octals; loctals; and pilot lamps. Neon indicator shows filament continuity and leakage or shorts between tube elements. Filament switch selects 16 voltages from 0.63 to 117 V . Illuminated roll-chart with thumbwheel drive. Line adjust control corrects for variations in line voltage, $61 / 2 \times 141 / 2 \times 10 \frac{1}{2} 2^{\prime \prime}$. For $110-130 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Shpg. wt., 13 lbs.
22 S 3920 RX. *s Monthly.
39.95

## Buy this professional-quality Stereo Tape Deck Kit and get a ${ }^{\text {s16.95 Walnut Case for only } \mathrm{s} 100}$

## only $\$ 1$ more

## OILED WALNUT WOOD CASE

Case Sells Alone for $\$ 16.95$. Deluxe wood case with handsome hand-rubbed oiled walnut veneer gives your tape deck a custom oppearance. Great for use on shelf and table; or in cabinet

With Case

## Knight-Kit Solid-State 3-Head Stereo Tape Deck Kit with Assembled Transport


#### Abstract

Separately, 8866.90 Model KG-415. Perfect addition to any quality music system. Solid-state record/playback preamp; three 4-track heads for sound-on-sound, echo, special effects; exclusive stereo headphone amplifier module for instant playback through low-impedance stereo headphones. Boasts compiete mounting flexibility-plays in both vertical and horizontal positions. Two speeds: $71 / 2$ and $33 / 4 \mathrm{ips}$. Precision capstan motor with flutter/filter belt drive; separate takeup motor. Six illuminated windows show record and playback functions. Two VU meters; volume and level controls for each stereo channel. Digital tape counter with push-to-reset button, cue control, and easy-edit fip-up head cover make tape editing easier than ever. Automatic end-of-reel shutoff. Single knob tape motion control. Special $100-\mathrm{kHz}$ bias test oscillator permits precision adjustments of bias and erase voltages. Solid-state module-type circuits with preassembled Viking tape transport for simplified assembly. $141 / 2 \times 14 \times 81 / 2^{\prime \prime}$. With all parts, easy-to-follow assembly instructions. For $110-130 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$. Order dynamic mikes below. With Oiled Walnut Wood Case Bonus. 22 S 0665 L22. Shpg. wt., 39 lbs. $\$ 13$ Monthly. 250.95

22 S 3366 RX. Knight KN-4520B Mike. Japan. Shpg. wt., 2 Ibs. Each 9.95


## SPECIFICATIOMS

Response: $\pm 2 \mathrm{~dB}, 50-18,000 \mathrm{~Hz}$ at $71 / 2 \mathrm{ips} ; \pm 2 \mathrm{~dB}, 50-14,000 \mathrm{~Hz}$ at $33 / 4 \mathrm{ips}$. Flutter/Wow: less than $0.2 \% \mathrm{rms}$ at $71 / 2 \mathrm{ips} . ~ S / N$ Ratio: 50 dB or better. Harmonic Distortion: less than $1.5 \%$ at "O" VU. Max. Reel Size: 7". Equalization: $71 / 2 \mathrm{ips}$, NAB; $3^{3} 4$ ips, EIA. Input In pedance: Mike, 3000 ohms; Line, 50,000 ohms. Oulpul Impedances: Playback, 250 ohms; Source. 1000 ohms; Monitor Playback, 250 ohms. Solid-State Modular Circuit: 17 transistors, 6 diodes. Motors: Capstan motor; separate takeup motor.

## DELUXE FEATURES

- Preassembled Viking 2-Motor Tape transport
- Separate Hyperbolic Record, Play and Erase Heads
- Built-in Bias Test Oscillator
- Separate Solid-State Record and Play Preamplifiers
- Stereo Headphone Amplifier
- Cue Control for Editing
- Push-to-Reset Digital Tape Counter
- Flip-Up Tape Head Cover
- Automatic End-of-Reel Shutoff
- Single-Knob Tape Operation
- Precision VU Meter for Each Stereo Channel
- Operates Vertically or Horizontally


## Get in on the fun of shortwave listening now. . Buy this Receiver Kit Package and save ${ }^{5} 6.00$



Package Includes
Antenna and Headphone Set


## Knight-Kit Star Roamer ${ }^{8}$ 5-Band Shortwave Receiver Kit with Antenna and Headset

- Covers 200 to $400 \mathrm{kHz}, 550$ to 1800 kHz , plus 1.8 to 30 MHz
- Superhet Circuit Hos Controlled-Regenerotive IF for Extro Selectivity
- Electranic Bandspread for Easy Tuning on Crowded Shortwove Bands


#### Abstract

Separately, \$43.84. Tune in foreign countries, Hams, Citizens Band messages, aviation weathercasts, marine signals, radio-telephone. Set vour watch to the exact time given by U.S. government station WWV in Colorado. You save 86.00 on this special offer of the Star Roamer, plus outdoor antenna and headphones. Easy-to-build receiver pulls in longwave from 200 to 400 kHz , standard AM, plus shortwave from 1.8 to 30 MHz . Features electronic bandspread for easier shortwave tuning. Automatic volume control smooths out signal variations. Automatic noise limiter prevents or reduces interference. Adjustable antenna trimmer lets you peak incoming signal. For private listening, there is a froht-panel headphone jack. IF sensitivity switch aids reception of distant stations, also develops beat note for code reception. Built-in AM antenna, terminals for external antennas. Charcoal gray metal cabinet has aluminum front panel. With instructions, solder, precut wire, plus antenna and headset bonus. Size, $51 / 2 \times 121 / 4 \times S^{*}$. For 117 VAC. From Japan. Shpg. wt., 14 lbs. 2250011 L3X. s5 Monthly. 17 S 6656 R. Code Practice Koy. Shpg. wt., 5 oz................................ . . . . . 2.50


 <br> \section*{\title{Konishit-Keft Wireless Intercom System Kit
}} <br> \section*{\title{
Konishit-Keft Wireless Intercom System Kit
}}


## Save ${ }^{5} 7.95$

Two-Channel System<br>$\$ 2995$<br>\$5 monthly

## - No Wiring, Just Plug inta AC Outlets

- Both Are Masters, Both Originate Calls

Was $\$ 37.90$. Solid-state KG-225 offers lowcost communications for home, office, and homes or buildings on the same AC powerline transformer. Dual-frequency ( 136 and 215 kHz ) switch lets you operate two separate systems ( 4 or more units) independently. Volume control won't let volume drop below an audible level. Locking position on press-to-talk switch permits continuous transmission. Green and cream case, $31 / 4 \times 81 / 4 \times 53 / 4$ ". Instructions. 117 VAC. Japan. 8 lbs. 22 S 0015 L2RX. 85 Monthly. .
29.95

## Save $\$ 11.95$ on silicon solid-state Stereo Amplifier Kit with bonus Walnut Wood Case for only $\$ 1$ more



KG-865 50-Watt
Stereo Amplifier
Kit and Walnut
Wood Case
${ }^{8} 70^{95}$
KG-865
Without Case

## $\$ 69^{95}$

$\$ 5$ monthly


## knight-kit All-Silicon-Transistor 50-Watt Stereo Amplifier Kit and Bonus

Separately, 882.90 . Feature-packed amplifier kit now available with deluxe walnut case for only $\$ 1.00$ more. Buy now and save. Boasts silicon-transistor circuit with no driver or output transformers, assuring wide frequency response and full power output even at audio frequency extremes. Preamp has inputs for phono, tuner, tape, and auxiliary. Separate power switch permits you to set volume and tone controls once-then forget them. Also has separate bass and treble, volume, and balance controls. Has switches for mode (mono or stereo) and speakers on/off. Front-panel stereo headphone jack lets you enjoy beautiful stereo in complete privacy. Two AC outlets on rear of chassis for powering other program sources. Handsome aluminum front panel has walnut-finish inserts. With instructions, solder, precut wire, plus walnut wood case. Size, $35 / 16 \times 13 \times 10^{\prime \prime}$. Shpg. wt., 16 lbs.
22 S 0502 L2X. \&5 Monthly.
22 S 3700 RX. KG-865 Alone. Shpg. wt., 10 lbs............................... . . . . 69.95

## SPECIFICATIONS

Output: 50 watts IHF, 25 watts per channel; 34 watts rms. Response: $\pm 1 \mathrm{~dB}$, $18-30,000 \mathrm{~Hz}$. Power Banduidth: $20-20,000 \mathrm{~Hz}$ at $1 \%$ harnonic distortion. Hum and Noise: Tuner, Aux. inputs, -65 dB ; Mag. Phono, -60 dB . Outmels: 4-16 ohms, tape, headphones. IM Distortion: less than $1 \%$ at rated power. Input Sensitivity: Mag. phono, 5 mV ; Tuner and Auxiliary, 400 mV . Damping Factor: 50. Power Requirement: $110-130 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$.

## Custom 50-Watt Stereo Phono

Separately, 3348.60 . High-performance system features the Knight-Kit KG-865 50-W att Solid-State Stereo Amplifier Kit with silicon transistors and walnut wood case. Allied 919 4 -Speed Automatic Turntable has cuing. antiskate, and stylus force control. With Base and Dust Cover. Pickering V15/ATE-3 Stereo Elliptical Cartridge has diamond stylus and "Dustamatic" brush. Allied 2300CK Walnut 3-Way Acoustic Suspension Speaker System Kits have $12^{*}$ woofer, midrange horn, and compression tweeter. With parts, solder, wire, instructions, and finishing oil. Shpg. wt., 133 lbs.
22 S 0036 LZZ. s13 Monthly
259.95

## System

## New values in Shortwave and Portable Radio Kits



## Shortwave Radio-Broadcast Kit with Superhet Circuit

## $\$ 29^{95}$

\$5
monthly

- Listen In On The Warld-Foreign Braodcasts, Homs, Marine Calls
- Eosy-to-Build Cammunications Receiver Has Superhet Circuit
- Covers Standard AM Broadcast through 30 MHz Shortwave
- Beat-Frequency Oscillator Adjusts for Best Reception of Code
- Colibrated Vernier Dial Tuning
- Front Panel Headphone Jack
- Isolation Power Transformer for Safe Operation

Put the world at your fingertips! Hear the news as it happens, where it's happening. Listen to English and foreign language broadcasts from other continents. Hear Hams, CB'ers, govverument stations and more, plus vour favorite local AM stations. Shortwave listening is even more exciting on a receiver you've built yourself.

The new Spanmaster II is an ideal first receiver for SWL's and Hams-tobe. Detailed step-by-step issembly instructions are easy even for a youngster to follow. Offers full communications coverage on 4 bands: AM on $550-1600 \mathrm{kHz}$, and SW on $1.5-4.5$ $\mathbf{M H z}, 4-12 \mathrm{MHz}$ and $11.5-30 \mathrm{MHz}$. Calibrated vernier tuning dial for precise station selection.

Sensitive superhet circuit pulls in plenty of stations. Delivers full 1-watt audio output for plenty of volume from the built-in $3^{\prime \prime}$ speaker. Beat-frequency oscillator lets you vary the piteh of CW signals for clear reception of Morse code. On/off piiot light.
Front panel headphone jack for private listening; isolation transformer; gray crackle finish steel cabinet. 55 ex $95 / 8 \times 0^{\circ}$. Four tubes, plus rectifier. With step-by-step assembly instructions. Fused. For 117 VAC. From Japan. Shpg. wt., 8 lhs. 22 S 3170 X. 85 Monthly. . . . . 29.95 Antenno Kit for Outdoor or Attic Use. 22 S 3099 RX. Shpg. wt., 1 lh..... 1.39 Dual Headset with Cord and Plug. 22 S 3257 RX. Shpg. wt., 1 lb .


> New Knight-kit Ranger IV Portable AM Radio ${ }^{5} 12^{35}$

For fun, fine sound, top value, build this portable AM transistor radio. Ideal as a starter kit, all critical circuits are prewired and aligned on the printed-circuit board. Step-by-step assembly instructions are easy to follow. Attractively styled for any room in the house; or take it along to the beach or to a picnic. Sensitive solid-state circuit pulls in weak stations while keeping battery drain at a minimum. Big $4^{\prime \prime}$ speaker. Tunes $540-1600 \mathrm{kHz}$. Built-in ferrite antenna. $8 \times 101 / 2 \times 31 / 2$ ". With 4 "D" batteries. From Japan. Shpg. wt., 4 lbs.
22 S 3908 X.
12.95

18 S 5862 R. Extra "D" Batteries. (Uses 4.) $10 \%$........ 2/38 C

## Got the Blues? We've got the rhythm! New solid-state Electronic Rhythm Kit for today's sound



COMBO SIDEMAN
Model KG 382
c

## Knight-kit "Combo Sideman". . a Portable Electronic Rhythm Section You Can Take Along

## ${ }^{8} 49{ }^{95}$

\$5 monthly

- Latest Electronic Sound Sensation
- Delivers Hard Rock Rhythm for the Bold Beat of Today's Sounds
- Electronically Reproduces True-to-Life Bass Drum, Snare Drum and Cymbals

Model KG-392. Whatever your bag-hard rock or folk rock, you'll have the rhythm to back it. The Combo Sideman is a portable percussion group that electronically reproduces the sounds of bass drum, snare drum and cymbals with amazing realism. These sounds are generated and mised in various combinations and timing, to produce six precise, perfectly timed rhythms for practice or performance. Just plug it into your amplifier to put the power of percussion behind you.
Tap the start/stop button and the rhythm starts, always on the first beat of the measure. You can select any of the six different rhythms, or change rhythms while the Combo Sideman is playing. The tempo control determines the speed of the rhythm. By holding the solo button down you can provide single, repetitive drum beats and vary the speed with the tempo control. Volume control adjusts the sound level.
Sensational way to supplement or substitute for the rhythm section in your combo. Easy to build . . just a few wires to connect. Precision-timed circuits on the pre-assembled PC board allow maintenance-free performance when completed. Solid-state circuit operates on a single 9 -volt battery; clip inside case may be used to store a spare battery.
Jacks for remote control of start/stop and solo functions. With battery, footswitch, output cable. Easy assembly using pencil-type soldering iron and long-nose pliers. Only $71 / 2 \times 73^{\prime} \times 2^{\prime \prime}$. From Japan. 22 S 3916 X. Shpg. wt., 3 lbs. 85 Monthly...........

Assembled, PrecisionTimed PC Board

## Lowest price ever! Our finest and most powerful Stereo Amplifier Kit with unique Preamp Module Kit




## Knight-Kit |Acoustech Amplifier Kit

Was \$204.95. Model KG-892. Exciting sale price for this magnificent solidstate stereo amplifier/preamplifier kit. You get the KG-890 Power Amplifier Kit, plus KG-891 Preamp Module Kit that builds into the basic amp for a super-powerful 200 -watt-IHF stereo amplifier with a full array of controls. (Both units also sold separately below.)
Has pushbuttons for tape monitor, loudness, speaker muting, power on-off. Mode switch for mono, stereo, stereo reverse, left or right channels individually. Balance and level controls, dual concentric bass and treble. Rms Power: 160 watts. Response: $\pm 3 \mathrm{~dB}, 3-300,000 \mathrm{~Hz}$. Power Bandwidth: $8-25,000 \mathrm{~Hz}$. Inputs for mag. phono; tuner; tape; aux; $4,8,16$-ohm speakers; front panel stereo headphone.
Circuit features silicon transistors, plus computer-grade electrolytic capacitors. Plug-in etched circuit boards are pre-wired and tested for simplified assembly. Kit cloth with numbered parts in plastic bags. Goldanodized aluminum front panel. $5 \times 5 \times 10^{\prime \prime}$. Optionalcase below. $115 / 220 \mathrm{VAC}$. 22 S 0075 L2RU. Shpg. wt., 26 lbs. $\$ 9$ Monihly. 79.95 22 S 3610 RX. KG-890 Basic Amp. Kit. Was \$139.95. Wt., 22 lbs...... 129.95 22 S 3611 RX. KG-891 Preamp Module Kit. Was sif. 00 . Wt., 4 lbs..... 65.00 22 S 3118 RX. Oiled Walnut Wood Case for KG-890 or KG-892. 6 lbs.... 24.50

Superb 200-Watt Stereo Amplifier/ Preamp Kit
Cut ${ }^{2} 25.00$ \$17995
$\$ 9$ monthly

- Transformerless Audio Circult for Cleanest Sound Possible
- Stable Siliton Transistor Solid-State Circuit
- Controls and Inputs for Full Command of All Sources
- Pre-Wired Circuit Boards Reduce Assembly Time


Save ${ }^{5} 5.00$ $\$ 39^{95}$ $\$ 5$ monthly

## Renipht-Adt Inverter/Charger Kit

- Operate AC Units from 12 VDC Sources
- 6-Amp Tapering Charge to 12 -V Batteries

Was \$4.95. KG-666. Converts 12 VDC to $110-130$ VAC; delivers self-regulating Hi-Lo 6 -amp tapering charge to $12-\mathrm{V}$ batteries; has special DC output for universal motor loads. Silicon-diode starting network, capacitive and diode despiking network; 2 -position output load optimizing switch; pilot light; fuse. Rated 200 watts continuous power. Solid-state circuit uses 4 reliable germanium power transistors. Square wave output, 55-65 Hz . Aluminum case, $48 / 4 \times 8 \times 81 / 4$. 22 S 3906 RX. Wt., 9 lbs. $\$ 5$ Monihly.
39.95


Was \$19.95. Model KG-275A. Accurate CdS (cad-mium-sulfide) light meter takes the guesswork out of picture-taking. Features Honeywell taut band meter; color coded scales; pushbuttons for high and low ranges. Built-in battery tester. Low: 0.014 to 28 fc ; high: $28-28,000 \mathrm{fc}$. ASA settings, $6-12,000\left(1^{\circ}-12^{\circ}\right)$. Easy to assemble. With battery, neck cord. $41 / 2 \times 2,1 / 2 \times 13 / 8^{\prime}$.
22 S 3301 RX. Shug. wt., 1 lb
17.95

18 S 5317 R. Extrag Battery. (Use 2). i oz. .Ea. $50 \%$ 22 S 3186 RX. Leather Case. Wt., 6 oz........... 3.95

## Knight-Kit prices cut! Save $\$ 1.00$ on every Kit on this page during special dollar savings sale



## Two-Piece SWR/Power Meter Kit

Reg. 16.95. Model P-2. Measures SWR from $1: 1$ to $20: 1$; relative power from $0-10$. Covers 1.8 to 432 MHz . Low-power to 1000 watts capacity. Versatile two-piece construction-consists of coupler and indicator connected by 4 ft . shielded cable. Sensitivity adjustment. May be left in line with negligible power loss. Needs no AC power or batteries. Coupler, $2 \times 5 \times 21 / 2^{\prime \prime}$; indicator, $27 / 8 \times 61 / 43^{\prime \prime}$. SO- 239 connectors. Instructions. 22 S 3627 RX. Shpg. wt., 3 lbs..
15.95

## 20K Ohms/Voli Tester Kit

Reg. \$11.95. KG.646. Invaluable VOM for radio and TV servicemen, hobbyists and experimenters. Reads DC Volts: 0-2.5-10-50-250-1000. AC Volts: 0-10-50-250-500-1000. DC mA: 0-.05-25-250. Ohms: 0$10 \mathrm{~K}-100 \mathrm{~K}, 0-1$ meg. Two dB scales: -20 to +20 , 20 to +36 . L(Self-Inductance) : $0-5 \mathrm{kH}$. C(Static Capacity) : $0.02 \mu \mathrm{~F}$ to 250 pF . 20,000 ohms/volt DC sensitivity; 10,000 ohms/volt AC . $\pm 2 \% \mathrm{AC}, \mathrm{DC}$ accuracy. Two-color scale, ohms adjust, plastic cover. 5 x $31 / 2 \times 13 / 4^{\prime \prime}$. With battery, test leads. Japan. Wt., 1 lb . 22 S 3907 RX........... 10.95



## Code Practice Oscillator Kit

Reg. 87.95. Model LC-1. Makes learning International Morse Code easy and fun. Adjustable hand key gives you the "feel" of on-the-air sending. Speaker lets you listen to your code, or you can use the built-in flasher. Two-transistor circuit uses $11 / 2-\mathrm{V}$ " C " battery. Black bakelite case, aluminum front panel, gray trim. Headset jack for private operation. 2x61/4×3 $3 / 4$. With code key and battery, full instructions. Japan.
22 S 3432 RX. Shpg. wt., 2 lbs..
6.95

## Wireless FM Mike Kit

Reg. 58.88. KG-385. Pocketsize FM transmitter lets you broadeast through any FM radio or tuner up to 50 ft . without interconnecting wires or cables. Can also be used as intercom-transmit switch can be left on for remote listening. Broadcasts at vacant frequency on FM band ( $90-100 \mathrm{MHz}$ ). No license or age limitations. Pre-drilled anodized aluminum case for easy assembly. Compact, $31 / 2 x$ $21 / 2 \times 1^{\prime}$. Order battery below. Detailed assembly instructions. Wt., 3 lhs.
22 S 9505 RX
7.88

18 S 5980 R. Q-V. Battery.
Use 1. $6 \mathrm{oz} \ldots . .2$ for $59 \%$


Save
$\$ 1.00$

## Deluxe Motor Speed/Light Control Kit

Reg. $\$ 9.95$. KG-201. Get the right speed for the job, every time! Controls motor speeds of electric drills, appliances, power tools, other devices with universal AC-DC motors. Varies brightness of incandescent lamps. Calibrated control adjusts output. In full "on" position, appliance runs at normal speed. Handles devices with ratings of 7.5 amps or less (not for AConly motors, works with most DC-only motors). Handles resistive loads up to 900 watts; incandescent lamps to 500 watts. Solid-state circuit uses silicon controlled rectifier and two diodes. Fully protected by thermal circuit breaker. Only $27 / 8 \times 4 \times 11 / 2^{\prime}$. For 115 VAC. 22 S 3335 RX. Shpg. wt., 2 lbs.

## Install this capacitive-discharge Ignition System and drive many thousands more miles between tuneups

Offers Up to $20 \%$ Increased Gas Mileage and 3 to 10 Times Longer Spark Plug Life! Cuts Ignition Maintenance $60 \%$ to $80 \%$

## Knight-Kit KG-372 Capacitive-Discharge Ignition System Kit

## $\$ 28^{95}$ monthy

- More Complete Combustion
- Increases Spark Magnitude for Fast, Positive Ignition
- Disconnects Easily for Immediate Performance Comparisons

Deluxe solid-state ignition system kit offers dramatic performance improvement for your car or boat at an exciting low price. Electronic system uses highly reliable Silicon-Controlled-Rectifier (SCR) switching. Provides many times the energy of ordinary systems for more complete combustion, increased acceleration and improved engine performance, $10 \%$ to $20 \%$ increased gas mileage, and longer sparkplug life. After easy assembly, installs in less than
ten minutes in place of standard ignition system with no rewiring, removal, or addition of parts. Leaves original coil intact-disconnects in one minute to allow performance comparisons. For 12-volt pos. or neg. gnd. battery. Input Current: 1-5 amps. Output Voltage: 400-V discharge pulse. Triggered by ignition points or any other source. Size, $3 \times 5 \frac{1}{2} \times 35 /{ }^{\prime \prime}$. Solder, instructions. Shpg. wt., $21 / 2$ lbs.
22 S 9575 RX. 55 Monthly.
28.95


## Ungar Soldering Iron

Reg. \$2.56. An essential tool for the hobbyist. Great for assembling electronic kits. 27-watt iron has "taper tip" designed for delicate work in printed circuit assemblies. $71 / 2^{\prime \prime}$ long. U.L. Listed. 110-120 V, AC-DC. 6 oz. 22 S 3068 RX..


Save
\$1.46

## Kndght-kdt

5-Piece Tool Kit

## Reg. \$5.95. Kit builders--save! Ungar

 27-watt soldering iron described at left; $5^{7}$ diagonal wire cutters; $61 /{ }^{\text {² }}$ long-nose pliers: two screwdrivers, $31 / 2 \pi^{3} / 2^{2}$ and $4 x^{3} / 16^{\prime \prime}$. Pliers are made of high-grade tool steel, have cushioned grips. Screwdrivers have insulated handles. Soldering gun for $110-120 \mathrm{~V}, \mathrm{AC}-\mathrm{DC}$. Shpg. wt., $1^{1 / 2}$ lbs.22 S 3070 RX .
4.49

## Hear the ultimate in hi-fi realism with deluxe Stereo Headphones . . build them yourself and Save

## Knight-Kit/Koss Hi-Fi Stereo Headphone Kit

- Volume Controls fór Each Channel
- Earcups Have Saft $\$ 14^{95}$ Foam Custions

Model KG-802. Comparable to much higherpriced factory-wired headphones, these easy-to-assemble headphones are made to our specifications by Koss, a world leader in headphones. You will be amazed by their wide-response stereo hi-fi sound. Headphones bring you much closer to the sound source than speakers, and give you better stereo separation. And you can listen privately, enjoying Brubeck or Bach at full volume at four in the morning-even if your neighbors don't.
Comfortable foani-cushioned earcups help seal out room noises so you can hear stereo music at its best. Headband is adjustable. Large $31 / 2^{\prime \prime}$ dynamic elements deliver smooth response from $20-16,000 \mathrm{~Hz}$. Separate volume controls in each earpiece (for right and left channels) assure perfect balance. And you don't have to get out of your chair to change volume. $4-16$ ohms impedance. 8 -ft. cord with standard $14^{\prime \prime}$ phone plug. With solder and instructions. Shpg. wt., $2 \frac{1}{2}$ lbs. 22 S $3380 \times$.
14.95

## Knight-kit Fuzz Box for Electric Guitar

- Plugs into Guitar Amplifier $\$ 1695$ Convenient Foot Switch

Model KG-389. Turn on this electronic fuzz box kit, and your audiences too, for the wildest, most far-out sound-effect they ever heard! Many big groups have used this gad-get-now you can have one. And you ean bet your last dollar that the KG-389 will cost you a lot less than most other comparable models. Now you can have a ball and save money doing it!
Solid-state fuzz box kit is ali-metal constructed to take the brutal beating of a typical jam session. Has an attack control to vary the sound-effect. Also has a volume control and foot switch. Operates on one g-volt battery; jacks for comnection to instrument and amplifier. Has detailed, step-by-step instructions which make assembly easy. With ali parts, precut stripped wire, solder. Order battery below. Size, $2 \frac{3}{4} \times 3 \frac{1}{2}$ 6*. Shpg. wt., 4 lbs.


## Hobbyists and technicians . . here are three knight-kits priced so low you'll want to build at least one!

## (A) KG-645A 5000 Ohms/Volt VOM Kit

Here's big news in a VOM that's a great value for hobbyists and technicians. It boasts 38 mensuring ranges: 5000 ohms/ volt AC and DC sensitivity; meter movement protection on voltage, current, and dB ranges: precision $1 \%$ multiplier resistors; ohms/zero adjust; range switch; function switch. $41 / 2^{\prime \prime}$ two-color meter with 8 scales. AC-DC Volts and ontput; 0-1-5-10-50-100-500-5000. AC-IDC Current, 0-1-10-100 mA-1A. Ohms: $0-5 \mathrm{~K}-50 \mathrm{~K}-500 \mathrm{~K}$. dB: -20 to +76 in 6 ranges. Rugged case, $63 / 4 \times 51 / 4 \times 23 / 4^{n}$. With battery, leads, carrying strap, manual with "How to Use" sections. From Japan. Shpg. wt., 3 lbs. 22 S 3914 X. \$5 Monthly........ . .....

## (B) KG-229 Remote Control Center Kit

Real versatility at a low, low price. Here's a complete remote control center with built-in 60 -minute timer and speaker, that does all this from up to 15 ft . from your radio, TV, or phono. Turns set on and off; controls set's volume of remote unit's own speaker; turns off set automatically after preset delay of up to 60 minutes. Great for bedtime TV viewing, or for relaxing in the den. Main/ Extension speaker/timer controls volume, on-off. Earphone and jack. With $15^{\prime}$ remote cable. $115^{\prime}$ VAC cord. $43 / 4 \times 35 / 8 \times 15 / 8^{\prime \prime}$. From Jrpan. Shpg. wt., 1 lb . 22 S 3331 X.

## (C) KG-644 Signal Injector Kit

Exciting low price for one of the handiest trouble-shooters ever. Solid-state, yortable, self-contained signad injector is a must for anyone who works on radios, audio amplifiers, TV, other electronic devices. Produces a signal rich in harmonies for tracing audio, RF, and IF circuits. Pushbutton operation. Insulated test probe. Battery condition light. Cylinder-type handle houses circuit-permits long use without tiring. With 4 jeenlight batteries and instructions. $91 / 2 \times 11 / 2^{\prime \prime}$. Japan. Wt., 8 oz.
22 S 3915 X .

# Low-priced knight-kits perfect for beginning kit-builders . . All the family can use them, too 



Put yourself in the brilliant, multi-dimensional world of stereo. Full-fidelity headphone kit reproduces stereo with excellent'realism and response. Large earcushions seal out room noises . . let you listen in private, and enjoy all the volume you want without disturbing others. Lightweight, plus has adjustable headband and padded earcushions for maximum comfort. Frequency response: $20-20,000 \mathrm{~Hz}$. Complete with 6 ft . cord with standard $1 / 4$ " phone plug. All parts and step-hy-step assembly instructions. From Japan. Shpg. wt., 1 lb.
22 S 3359 X .

## (B) KG-234 2-Station Intercom Kit

Complete solid-state 2 -station intercom kit has never been priced lower. Ideal for baby-minding sensitive enough to pick up baby sounds in bedroom. Simple to operate-just press button to talk, release to listen. Volume control is on Master Station., Circuit permits signal to be sent even if switch is in "off" position on Remote Station. Attractive high-impact plastic cases, gold-color grilles. $3 \times 1^{3} 4^{\times 4} 4^{4}$. With 9 -volt battery, 66 -ft. interconnecting wire, plugs. Includes step-by-step instructions. From Japan. Shpg. wt., 1 lb .
$2253334 \times$.
.7 .95

## (C) KG-205 Telephone Amplifier Kit

Double the usefulness of your telephone for one low price. Handy telephone amplifier permits "hands free" phone conversations. Lets the whole family listen to calls. Ideal for the hard of hearing, too. Solid-state circuit amplifies the sound from your telephone to room level. No electrical connection necessary-pickup has suction cup mount for instant attachment to any telephone. Volume control, onoff 8 witch. With 9 -volt battery, step-by-step instructions. $3 \times 13 / 44^{4^{\prime \prime}}$. From Japan. Shpg. wt., 1 lb. 22 S $3333 \times \ldots$

## Radio Control outfits boasting the latest features for realistic operation in the air or on the ground



# Exciting Ready-to-Operate Radio Control Plane Outlit 

Fully Assembled and Painted Eoam Plastic Plone . . Rudder plus Motor Control System

MRC-Futabo. Exciting model of Mooney MU-2 high-wing propjet has 37 " wing span, $27^{\prime \prime}$ fuselage, landing gear and wheels, adjustable push rods, fuel tank and line, metal motor mounts. MRC-Enya . 09111 TV engine and propeller. Single-channel F-69 tranomitter has electronic keying for automatic stick control of rudder and posi-tive-astion motor control. Rudder actuator in metal case with nylon gears. Pre-wired board-mounted actuators, plugs, connectors. harness, switch and battery holders. With extra paint and cement. Batts. below. 2253771 X. Japan. 10 lbs....... 124.95 $18 \mathrm{~S} 5870.11 / 2-\mathrm{V}$ "AA" Batteries. Use 11. Shpg. wt., 10 oz.. Pkg. of 2 for $20 \not$ 18 S 5152 . 9-Volt Battery. Use 1. Shpg. wt., 10 oz .. .

Each 65\%

Single
Channel
Forward/
Reverse, Left/Right, Stop/Start


## R/C Car Outfit with Sequential Control

Handsomely designed $14^{\prime \prime}$ long sedan with single-channel sequential $R / C$ system. Solid-state crystal-controlled transmitter with extended range circuitry; transmit button. Pre-wired solid-state receiver with relay for precise control. Order batteries below. Japan.
 18 S 5152. 8 -Volt Battery. (Use 1.) 10 oz................Ea. $65 \%$

## R/C Car Outfit with Proportional Control

Red, hard-top sedan is $101 / 2^{*}$ long, has chrome trim, grill, bumpers and hub caps. Proportional power steering and reverse for any degree turn. High-low speed switch; steering wheel control. With 12 flagged obstacles for "Skill Driving." Batteries below. Japan.
22 S 3758 X. Shpg. wt., 6 lbs.
59.95

18 S 5865 . "C" Batteries. (Use 4.) 4 oz.................... $2 / 334$ 1855152.9 .Volt Battery. (Use 1.) 10 oz..................Ea. $65 \phi$


## Deluxe Four-Channel Digital Proportional R/C System

Cifizenship DP-4. Digital proportional R/C system with four independent, simultaneous channels. DPT-4 transmitter has built-in battery charger for nickel-cadmium battery pack (included). DPR-4 4-channel receiver has IC's in decoder, harness with 5 plugs. DMS servo ( 4 included) has IC reference generator, 3 outputs, 5 -pole motor. For 27.145 MHz. Transmitter, $71 / 2 \times 6{ }^{3} / 8 \times 13 / 4^{\prime \prime}$. Receiver, $1^{31 / 20} \times 2^{33} / 64 \times$ $61 / \mathrm{m}^{\mathrm{F}}$. R/C License required. Shpg. wt., 6 lbs.
22 S 3763 S. 116 Monthly.
329.95

22 S 3764 F. Above, but specify frequency: 26.995, 27.045 , $27.095,27.195,27.255 \mathrm{M} \mathrm{Hz}$. Allow 3 to 4 weeks for delivery from factory in Indiana. Shpg. wt., 6 lbs. ............ 329.95 22 S 3768 F. Above, but specify frequency: 72.080,72.240, $72.400,75.640 \mathrm{MHz}$. Allow 3 to 4 weeks for delivery from factory in Indiana. Shpg. wt., 6 lbs..
349.95

## Begin a new exciting hobby today with one of these lively Powered Models for fast-paced action

Includes Assembled Veco. 19
R/C Engine

## Save ${ }^{5} 5.00 \$ 4790$

## Aero Commander 100 R/C Model Plane Kit

Separately, 552.90. Du-Bro. Easy-to-assemble plane kit has foam-core wing and stabilizers, sorvo rails and fuel tank mount installed in reinforced fuselage. Near-scale appearance, roomy design. Performed, die-cut parts. Wing span, 49"; length, $36^{\prime \prime}$. Bonus Veco 19 engine. Less wheels, Radio control equipment. (Ideal with DP-4, facing page.)
22 S 0129 L2X. Shpg. wt., 6 lbs. 55 Monthly.
22 S 3769 X. Plane Kit Alone. Wt., 5 lbs.
47.90

22 S 3753 S. Veco. 19 R/C Engine Alone. I ib............... 22.95

Save ${ }^{5} 5.00 \$ 74^{90}$ Includes Assembled Veco. 61 R/C Engine

Kwik-Fli III Multi-Channel R/C Plane Kit

Separately, 879.90. Top-Flite. Contest aerobatic model plane kit for use with multi-channel $\mathbf{R} / \mathrm{C}$ systems. Has $60^{*}$ wing span, $53^{\prime \prime}$ long. Shaped longerons and spar tapers for easy assembly. Control surfaces hinged with special SuperMonokote adhesive. Instructions. Bonus V'eco. 61 enpine. Less wheels, Radio control (use with DP-4 facing page).
22 S 0130 L2X. Shpg. wt., 9 lbs. 85 Monthly. ......... 74.90
22 S 3751 X. Plane Kit Alone. Wt., $71 / 2 \mathrm{lbs} . . . . . . . . . . . .34 .95$
22 S 3754 S. Veco. 61 R/C Engine Alone. $11 / 2 \mathrm{lbs} . . . . . . .44 .95$

## One-Channel R/C System

Citizenship OP-1. Digital proportional Radio Control systent for 27.145 MHz . Transmitter ( $63 / 8 \mathrm{x}$ $35 / 8 \times 23 / 8^{\prime \prime}$ ) has vertical control stick. Superinet reeeiver $\left(2 \frac{1}{4} \times 13 / 4 x\right.$ $7 / 8^{*}$. Switch, servo board-mounted with connections. Assembled. License required. Batteries below.
22 S 3761 s . Wt., 3 lbs....... 84.95 22 S 3762 F. Above, specify frequency: 26.995, 27.045, 27.095, $27.195,27.225$. Allow $3-4$ weeks delivery from Factory in Indiana. Shygg. wt., 3 lbs.............. . 84.95 18 S 5870. Battery. Use 4...2/204 185 5652. Battery. Use 1. Ea. 1.36


Medium-Range R/C System

## $\underset{\text { Channel Use }}{\text { For Single- }} \quad \$ 3495$

MRC-Futaba F-66, Asseinbled med-ium-range Radio Control system for single-channel use. Ideal for light planes, boats and cars. Superregenerative relayless receiver with tuning lamp for peak efficiency. Solid-state transmitter, retractable antenna. With all instructions. Transmitter, $43 / 8 \times 22^{5} / 8 \times 114^{p}$. Receiver, $11 / 8 \times 11 / 2^{18} / 6^{\circ}$. Batteries below. Japan. 1 lb . 22 S 3770 S. si Monthly. ... 34.95 18 S 5870. BoH. Use 10. 4 oz. 2/20申



Gas Racing Car Kit $\underset{\text { Scale Model }}{\text { Working }} \$ 1 \mathbf{1 9 5}$ Cox Chaparrat. True-to-life scale model of famous racing car. Has front dive planes, movable rear spoiler, handsome chrome accessories. Racing type tires and numbers; rugged steel X-frame. Dual rear wheel drive with 2.8:1 gear ratio. Fast-starting .049 cu. in. engine. $1 / 20$ th scale, $10^{\prime \prime}$ long. 22 S 9552. Wt., 3 lbs........... 11.95

## Valkyrie Rocket Kit with Liquid Propellant

## Blast Off $\$ 13^{88}$ to 1000 Ft .

Exciting scale model rocket kit with fully realistic lift-off. Safe-to-use liquid propellant is flame and heat-free, non-toxic. Takes off at about 4 g 's, accelerates to 10 g's at burnout. Polished aluminum engine and parts; working valves, separator and parachute. Fill and vent valves on fuel tank for added realism and safety. With fuel, detailed instructions.
22 S 3755. Wt., $21 / 2 \mathrm{lhs}, . .13 .88$ 22 S 3756. Extra Fuel. Shpg. wt., 8 oz.

Per Con 1.50


## Complete Aquarium Outfits get you started in one of the fastest growing and most exciting hobbies

 Stow-A-Lite Cover and Dynaflo Filter

## $\$ 29^{95}$

$\$ 5$ monthly

## 10-Gallon Aquarium Outfit with Dynaflow Filter

Everything you need for getting started in a fascinating hobby. Heavy-duty tank has stainless-steel frame and polished glass. Stow-a-lite cover has sockets for two 25 -watt bulbs (not included) to aid plant growth and bring out the colorful beauty of your fish. Dynaflow motor filter aerates water as it filters, keeps fish healthy and lively. Includes: 50 -watt heater with automatic thermostat, thermometer, charcoal and glass wool for filter, antichlorine crystals, fish food and aquarium manual. Tank, $12 \times 20 \times 10^{\prime \prime}$. Light, filter and heater for 117 VAC. (Fish, plants, gravel not included.) 22 S 3620 U. Shpg. wt., 25 lbs. $\$ 5$ Monthly.
29.95 22 S 3641 X. Complete 20 -Gallon Aquarium Outft. 55 lbs.. . . . . . . . . . . . . . . . 44.95


## Budget-Priced $\mathbf{1 0 - G a l l o n}$ Aquarium Outfit

## $\$ 195$ - Stainless-Steel Tank Has Polished Glass Sides <br> - Powerful Air Pump for Corner Filter/Aerator <br> - Stainless-Steel Reflector for Aquarium Lights

Complete 10 -gallon aquarium outfit is a great value for everyone! Features a built-to-last stainless steel tank with polished, doubleduty glass sides. Rugged vibrator-type air pump powers the filter/ aerator. Keeps water clean and fresh. Stainless-steel reflector has sockets for two bulbs (not included). Outfit includes: 50 -watt heater with automatic thermostat, thermometer, airline tubing. charcoal and glass wool for filter, chlorine neutralizer, fish food, aquarium handbook. Tank, $12 \times 20 \times 10^{\prime \prime}$. Light, tair pump and heater for 117 VAC. Shpg. wt., 23 lbs.
22 S 3642 X. $\$ 5$ Monthly. ............


## AQUARIUM ACCESSORIES

Aqua-Vac Aquarium Cleaner. Handy cleaner (A) picks up the dirt your filter misses. Cleans gravel surface and imbedded dirt. With extension tube for deep $\operatorname{tanks}$, disposable bag, instructions. Order batteries below. Uses 2. 22 S $3622 X$. Shpg. wt., 1 lb . finish. Assembles easily. $30^{\prime \prime}$ high. 21 lbs.
22 S 3621 X .
8.95 22 S 3643 X .20 -Gal. $30^{\circ}$ high. $23 \mathrm{lbs} . . . . .$.
(C) Dynaflow Heavy-Duty Filter. Silent "magicC magnet" motor circulates 1000 gallons of water daily. Filtration and aeration keeps aquarium clean, water sparkling clear and fish healthy. For 117 VAC. Shpg. wt., $31 / 2 \mathrm{lbs}$. 22 S 3623 X .

## Easy-to-assemble, heavy-duty Trail Bike leads the field with features for fun and performance



Complete Trail Bike Kit Assembles Easily without Need for Special Tools. . . Includes Assembled Lauson Engine

## Deluxe Trail Bike is Fun for the Whole Family

Exciting trail bike has powerful $31 / 2$ hp 4 -cycle Lauson engine for getting to those out-of-the-way places at speeds up to 30 mph . Pneumatic (air filled) $4.10 / 3.50 \times 6$ knobby tires provide traction over almost any terrain. Features: heavy-duty double-loop tubular frame; comfortable foam saddle with durable vinyl cover; ball-bearing steering; motorcycle-type twistgrip throttle; adjustable band brake with handlebar brake lever; automatic centrifugal clutch; chain drive with safety cover. Recoil starter. 5:1 gearing. Custom-type high-gloss enamel finish. Chrome plated fenders. $34 \times 2112 \times 51^{\prime}$ long. $41 / 2^{\prime \prime}$ ground clearance. Curb weight, 78 lbs. Shpg. wt., 85 lbs. See Note below.
22 S 3647 ZF. 88 Monthly.
149.50

22 S 3648 ZF, Assembled Trail Bike. As above. Wt., 85 lbs........... . 169.50

## Custom Trail Bike Accessories for added versatility



## Sealed Beam Headlight Kit

Powerful headlight shows the way at night. Assembles easily, mounts in hole in front of bike. With battery box for 6 -volt lantern battery. Order battery below.
22 S 3649 F. 2 lbs. . 12.95 18S 5085. 6-volt Lantern Battery. Wt., $11 / 2$ lbs. . $92 \phi$

Custom-designed trail bike windshield is made of strong, olear acrylic plastic. Protects you from bugs, dust, etc. Attaches firmly to handle bars. May be installed or removed easily. $12 \times 171 / 2^{\prime \prime}$ 22 S 3645 F........... 7.95
high. Shpg. wt., 2 lbs.

## Custom Windshield



Two-Speed Drive KIt Doubles Torque

## Sidecar Kit <br> Adds Utility

Add extra versatility to your trail bike with this bolt-on sidecar. Plenty of carrying space. Tubularframe with heavy-gauge steel sides. Single wheel. Easily attached or removed from trail bike. 10x13x28" long. 40 lbs. 22 S 3740 UF .

Shiftable hi/lo speed drive provides a 2:1 gear reduction for easier going on extra rough terrain. Shift control mounts on handle bar . . lets you instantly change from standard 5:1 gear ratio to $10: 1$ ratio. Installs easily. 8 lbs . 22 S 3739 F.
49.95

## Action-packed Sports Sets bring you vigorous, healthy fun and exercise during the entire sunshine season



## Combination Volleyball/Badminton Set with Steel-Shaff Rackets

# $\$ 995$ 

Includes 4 Rackets, Striped Volleyball, Heavy-Duty Net, Sturdy Metal Poles and Stakes
Deluxe combination badminton/volleyball set offers family fun for the entire summer. Great to take along to the beach, at picnics, or just playing in the back yard. Easy-to-set-up outfit includes sturdy metal stakes and pole, heavyduty tape bound net for badminton or volleyball. Steel-shaft badminton rackets have comfortable non-slip grips for powerful swing. Volleyball is regulation size-made of strong vinyl that takes plenty of rough play. Ball is colorfully striped for easy identification-great for beach or picnic area. Badminton rackets have nylon strings on countersunk frames. Includes 3 shuttlecocks, instructions. Shpg. wt., 5 lbs. 22 S 3628 X.
9.95

Action-Packed Tether Ball Sef

Thue
minmen
ownener

Lots of active fun. Ball whirls around as you and your opponents hit it and punch it, trying to twist the line around the pole. Official size and weight ball with black seams; reinforced loop. $11 / 4^{*}$ diameter enameled steel pole has four sections, extends $8^{\prime}$ above ground. Rope, instructions. Shpg. wt., 8 lbs . 22 S 3629 X
7.49

$\$ 5^{95}$ Fun-Filled Volleyball Set with Net and Metal Poles
Get ready for exciting and vigorous outdoor fun. Easy to store and set up, take along to lawn parties, beach outings, anywhere. Has official-size volleyball; heavy-duty tape bound net, strong metal poles and stakes. Full setup instructions and volleyball rules included. Shpg. wt., 4 lbs.
22 S 3630 X .


74
ALLIED

Mini-Tennis/ Badminton Set


Deluxe combination 4-player badminton/mini-tennis set endorsed by Hugh Forgie and Shirley Marie. Four telescoping rackets-extend for badminton shorten for mini-tennis. Badminton net, metal poles and stakes. Featherweight plastic ball for mini-tennis; two shuttlecocks, other accessories for badminton. Carrying case. 22 S 3631 X. Wt., $21 / 2 \mathrm{lbs} . . .9 .95$


Budget-Priced Official $0 e^{\text {Badmin }}$
(x)
$x^{2}$

Fun-Filled Action!
$\$ 549$
The whole family can enjoy this game summer after summer. Easy to store and take along on vacations, picnics, all kinds of outings. Metal poles set up quickly and easily; sturdy net. With 4 badminton rackets with wood shafts, comfortable grips. Nylon strings on countersunk frames. With 2 shuttlecocks; full instructions. 22 S 3632 X . Wt., 3 lbs.... 5.49

## Keep trim and fit. . Take advantage of the great outdoors with these lively fun-filled Sports Sets

 Deluxe Archery Outfit with 5-ff. Laminated Fiberglass Bow
## $\$ 24^{95}$

## Six Cedar Target Arrows,

 Four-Color Circle Target, Side Quiver plus Arm GuardTreat yourself to an exciting hobbyl This archery outfit will delight both experienced archers and newcomers to this great sport. Has bow and complete accessories for full shooting fun. Laminated fiberglass bow has $35-\mathrm{lb}$. pull-plenty of power for long-distance shots. Center-shot, full-view sight window for high accuracy. Handsome two-tone handle riser. Six $28^{\prime \prime}$ Port Orford cedar target arrows fly straight and true. Brightly colored circle target is easy-to-see even on the brightest of days. Deluxe leatherette side quiver for arrows. With convenient adjustable arm guard and glove. Detailed instruction booklet. Shpg. wt., 4 lbs.
22 S $3640 \times$. 55 Monthly.
24.95


Fast-Paced Water Basketball Sef


## Jarts-An Outdoor Game <br> That's Fun for All

Floating basketball game adds even more fun to swimming. Blue anodized frame with plastic fittings for sturdy assembly Easy-to-see brightly colored yellow net. $12^{\prime \prime}$ diameter hoop is $13^{\prime \prime}$ high. With regulation size ball, full assembly instructions and playing rules. Shpg, wt., 2 lbs. 22 S $3637 \times$.

Great game for backyard, beach or picnics-anywhere outdoors. Carefully designed missiles are tossed like horse shoes, they stick in the ground. Game is played and scored by Jarts in or near target circle. Set is complete with 4 Jarts, target circle, full playing and scoring instructions. Shpg. wt., 3 lbs.
22 S 3638 X .
.5 .88


Play anytime, anywhere. 14 -ft. linoleum court for portable or permanent (eemented to floor) use; four $51^{\prime \prime}$ aluminum cues; and eight $4^{\prime \prime}$ molded hi-impact pucks. With full instructions. Shpg. wt., 17 lbs.
$22 S 3615 \times$.
15.95


Popular lawn game! Has hard maple balls with epoxy finish and double white stripe; White-rubber-tipped $7^{*}$ head hardwood mallets with $24^{\prime \prime}$ serew-in handles; two-wheel rack with tubular steel uprights; arch holder. 22 S 3639 X . Wt., 15 lbs.. . . 12.95


Official Horse Shoe Set


Four $21 / 2-16$.
Shoes, Stakes
Outdoor game for all ages. Set consists of four unbreakable $21 / 2$ lb. shoes, $24^{*}$ solid-steel stakes. Shoes are finished in red and green. Wt., 24 lbs. 22 S 3634 X



## 1-Band FM-AM-SW-VHF Battery/AC Portable

## Save $\$ 5.00$ <br> $$
\$ 94^{95}
$$

Was $\mathbf{\$ 9 9 . 9 5}$. One of our most popular multiband portables-now at its lowest price ever! Operates on 6 "D" batteries or 117 VAC with self-storing cord and plug. Vernier tuning with momentary dial light; fine-tuning; tone switch; 4" speaker; built-in ferrite AM-marine antenna plus telescoping FM-SWVHF antenna. Detachable swivel base. Chromed diecast trim, plas tic leatherette-covered case. $113 / 4 \mathrm{x}$ $7 \times 43 / 4^{\prime \prime}$. With batteries, earphone. From Japan. Wt., 12 lbs. 10S 4822 U. 85 Monthly..... 94.95


## 6-B and FM-AM-LW-MB-VHF Direction-Finder Portable ${ }^{810995}$ $\$ 6$ monthly

Solid-state portable has $360^{\circ}$ azimuth base, DF level meter with control, Relative Bearing indicator, and rotating DF antenna. Gives sharp nulls on $145-375 \mathrm{kHz}$ LW, $2-5 \mathrm{MHz}$ Marine and AM bands for precise direction. Also has FM and two VHF Police/ Public Service bands: $30-50$ and $146-175 \mathrm{MHz}$. Long-range extendable whip untenna; pushbutton band selector switches. Uses 4 " $D$ " batteries or built-in 117 VAC cord. $101 / 2 \times 12 \times 4 \frac{1}{2} 2^{\prime \prime}$. Japan. 13 lbs. 10 S 5106 X. $\$ 6$ Monthly. . . . 109.95


Panasonic solid-state portable tunes $136-174 \mathrm{MHz}$ Police/Public Service; $1.6-4.5 \mathrm{MHz}$ Marine; 108 ${ }^{136} \mathrm{MHz}$ Aircraft: $5.9-18 \mathrm{MHz}$ SW; plus FM and AM. AFC; dial light; fine tuning. Bass, treble, volume, squelch controls. Over 1watt output. Built-in antennas for all bands including telescoping whip for SW-VHF. $5^{\prime \prime}$ speaker. Jacks for ground, antenna phono, earphone. Plays on 4 " $D$ " batteries or 117 VAC. With batteries, earphone. $8 \times 111 / 2 \times 3^{3 / 4}$. Japan. $10 \$ 5078$ X. Wt., 9 lbs........ 99.95

## Special Values, Price-Cuts, Latest Models


Covers
$A M$ and Police/
Public
Service
Band

## Our Lowest-Priced AM-VHF Pocket Portable Radio

$$
\$ 15^{95}
$$

Budget-priced pocket portable tunes $149-173 \mathrm{MHz}$ Police/Public Service to keep you informed of latest police, fire, emergency and business calls. Tunes standard AM too. Boasts efficient silicon transistor circuit. Precise tuning with slide-rule dial. Built-in AM, telescoping VHF antennas. $5 \times 3 \times 13 / 4$. With 9 volt battery and carrying strap.
From Taiwan. Shpg. wt., $11 / 2 \mathrm{lbs}$. 10 S 4769 S................... 15.95


Compact AM-Police Band Portable Plus AC Adapter
Save

\$5 $\$ 5.00$ monthly Separately 526.90 Big Value! Tunes AM and $148-174 \mathrm{MHz}$ VHF Police/I2ublic Service bands for business and emergency news. Vernier slide-rule tuning. $A G C$ for steady reception. $21 / 2^{2} 31 / 2^{\prime \prime}$ speaker. Built-in ferrite AM and telescoping VHF antennas. Size, $41 / 2 \times 71 / 2 x$ 21/2". Includes 6 "AA" batteries and earphone. Complete with $\$ 3.95$ adapter for 117 -volts AC operation. Leatherette case, carrying strap. Japan. Wt., 2 lbs. 10 S 0144 L2S. 55 Monthly.... 21.90


## 5-Band VHF Police, Aircraft, Marine, FM-AM Portable

## Save $\$ 5295$ \$5 $\$ 7.00$

Was 599.95. Solid-state 5 -band portable tunes $148-176 \mathrm{MHz}$ VHF Police/Public Service band; 108136 MHz VHF Aircraft; 1.6-4.3 $\mathbf{M H z}$ Marine Band; $\mathbf{F M}$ and $A M$ bands. Pushbutton dial light. Built-in AM antenna, telescoping swivel antenna. Operates on 4 " C " batteries or built-in 117 VAC cord, plug. With batteries, earphone. $61 / 4 \times 11 \times 3^{\prime \prime}$. Japan. 7 lbs. 10 S 4870 S. $\mathbf{\$}_{5}$ Monthly. . . . 52.95


## Multiband Radios for Exciting Listening

## Our Finest 15-Band Battery/AC Portable


$\$ 189^{95}$
F.M-AM, II Shortwave Bands, Marine and Longwave . . Battery/AC/Auto Operation
NordMende Globefraveler III. Improved version of the famous Globetraveler. Covers standard FM and AM; 1.5-3.65 Marine; $145-420 \mathrm{kHz}$ Longwave; eleven major International Shortwave bands from $3.61-22.10 \mathrm{MHz}$ (full coverage, $80-13$ meters) Full dial bandspread on all bands; battery/tuning meter; tone control; lighted dials. Improved FM tuner section; $5 \times 7^{\prime \prime}$ speaker; $21 / 2^{"}$ tweeter. Plays on 5 " $D$ " batteries (below); 117 VAC; 6 , $12-V$ autos. Telescoping. SW antennas. Amp, recorder outputs. $81 / 2 \times 121 / \times 44^{*}$. Lockable ear bracket below. W. Germany. 1055066 X. Shpg. Wt., 11 lbs. $\$ 10$ Monthly.

10 S 4344 RX. Car Bracket. $51 / 4$ ibs. 199.95 18 S 5079. Batteries. Use 5. $12 \mathrm{oz} .4 / 65$,

## 9-Band Battery/AC Portable



BANO COVERAGE

AM: $540-1600 \mathrm{kHz}$ FM: 87-108 MHz LW: $150-400 \mathrm{kHz}$ SWI: 1.7-4 MHI

SWZ: 4.7-10 MHz SW3: $11.6-12.1 \mathrm{MHz}$ SW4: $15-15.7 \mathrm{MHz}$ SW5: 17.5-18.2 MHz SW6: 21.1-22.2 MHz

Feature packed 9-band portable has AFC and AGC circuits; RF stage; built-in $4 \times 6^{\prime \prime}$ speaker. Slide-rule dial, dial lamp, tuning meter. Tone switch. Telescoping FM/SW antenna; ferrite AM/LW antenna. Jacks for 2 earphones, external antenna. Tuner (phono plug) output. 12 transistors. Leatherette case, $9 \times 141 / 8 \times 51 / 4$ ". With earphone, 6 " $D$ " batteries, ext. antenna plug and wire, 117 VAC cord. Japan. Wt., 12 lbs.
1055046 X. só Monthly.
99.95

## ALIED ${ }^{*}$ Battery/AC FM-AM Portable



Save ${ }^{5} 3.00$

Was \$29.95. Model 2680. Full-size, fullfeature FM-AM portable operates on batteries or 117 VAC; has two-speaker system for clear, rich sound. Switchable AFC locks in FM stations. Tone switch. Built-in ferrite AM antenna; 291/2" telescoping swivel FM antenna. Extra-wide slide-rule dial. Padded leatherette case, black metal grille. $7 \times 107 / 8 \times 31 / 2$ ". 4 " C " batteries, earphone, AC line cord.
10 S 4113 RS. Japan. 5 Ibs.......... 26.95
18 S 5078 R. Extra Batteries. 6 oz. . 2/33 $\phi$


FM-AM-VHF Police/Public Service Gar/Portable Save ${ }^{s} 10.00 \quad{ }^{\$} 49^{95}$

With Mounting Bracket, Lock and Key, AC Line Cord


#### Abstract

Was $\$ 59.9$. Versatile portable covers AM, FM plus 148-176 VHF Police/ Public Service Band for exciting emergency services. Operates on batteries, 6 or 12 VDC, 117 VAC. Features sensitive, stable performance, pin-point selectivity, peak 2 -watt output when in car for plenty of volume. Vernier slide-rule tuning (dial lights when in car); $43 / 8 \times 23 / 4$ speaker; heavy-duty construction. Easily slips in and out of car mounting bracket. Powerful circuit with 12 transistors, 7 diodes and 1 thermistor. $71 / 2 x$ $51 / 8 \times 2$ ". With four "C" batteries, mobile mounting bracket, lock and key, earphone, AC cord. U.L. Listed. Japan. 10 S 4594 RS. Shpg. wt., 8 liss so Monthly. 49.95


## Big Sale Savings on Multiband Radios



# Save ${ }^{2} 2.00{ }^{\$ 10} 0^{88} \underset{\substack{\text { Cliceadt }}}{\substack{\text { Cosour }}}$ 

Was $\$ 12.88$. Our lowest price ever for a versatile 3 -band radio. Covers AM; ${ }^{4-12} \mathrm{MHz}$ Shortwave; $1.6-4 \mathrm{MHz}$ Marine Band. Convenient slide-rule tuning. 11 -section telescoping whip antenna for extra sensitivity. Advanced solid-state circuit uses 9 transistors. Attractively styled leatherette covered case with silver-color front panel. Leatherette carrying handle. $43 / 8 \times 8 \times 2$ ". With 4 "AA" batteries, earphone. From Japan. Wt., 4 lbs. 10 S 4533 S. Quantity Limited. . . 10.88


Radio and Bonus
$\$ 36^{88}$
\$5 monthly

## 4-Band Battery/AC Radio with Two 4-Inch Speakers

Separately, E45.ז̃5. Model 2684. Sensational value-t-band portable plus valuable accessories, for less than the price of the radio alone! Covers AM, FM, 4-12 MHz and 12-26 MHz Shortwave bands. Two apeakers; bandspread fine tuning for SW; AFC for FM; tone control. Vernier slide-rule diad; momentary dial light: twin telescoping swivel antennas. $101 / 8 \times 7^{1 / 2} \times 4^{*}$. Operates on 4 "D" batteries, 117 VAC. With batteries, AC cord, earphone, Bonus.
1050354 L4X. Japan. Wt., 8 Ibs.


Six-color Amateur Radio World Map with Time and DX Zones; "ABC's" of Shortwave Listening (Sams); 8 Extra "D" Batteries

ALlIED
79


- Stereo FM Radio Offers the Ultimate in Portability
- Wear it to Beach or Even While Walking or Reading

No wires. no cords! It's a super-portable stereo FM radio built into a stereo headset for high-quality FM with full stereo channel separation. Latest integrated circuits. Stereo/mono pushbutton; 3-pos. volume switch; bass/treble switch; $21 /$ 2 $^{\prime \prime}$ speakers. Telescoping antennas. Outputs for use as tuner. Adjustable headband, vinyl and foam earcushions. With batteries. Japan. 1055105 S . Shpg. wt., $13 / 4 \mathrm{lbs}$. S5 Monthly. .... 75.00 1855083 R. Extra "AA" Batteries. (Uses 3.) 6 oz... 2/27d


## Panasonic FM-AM RadioTape Gassefte Gar/Portable

Deluxe FM-AM radio/tape cassette recorder plays on 5 "C" batteries or 6-12 VDC car battery with optional mounting bracket. Records and plays up to two hours on standard tape cassettes. Record directly from radio or "live" with mike. Features record level meter, vernier tuning, AFC to prevent FM drift, $6 \times 4^{\prime \prime}$ speaker, two-watt output. With ferrite AM and telescoping FM antennas. Size, $3 \frac{1}{2} \times 11 \times 11^{\prime \prime}$. With batteries, mike, and earphone. Japan. Wt, 11 lbs.
10 S 4002 RS. 85 Monthly.
99.95

10 S 4006 RS. Car Mounting Bracket. 4 libs............. 19.95
10 S 4280 RS. AC Adapter. For 117 VAC. 6 oz....... 9.95
18 S 5079 R. Extra "D" Batteries. 6 oz................ 4/65 4

## Allied Has the Radio for Every Need and for



## Sensitive Battery/AC Portable AM Radio

$\$ 16^{95}$<br>Tuned 3-gang RF Pulls In Distant Stations

Extra-sensitive portable AM radio works where others won't. Ideal for campers or vacationers. Has deluxe solid-state circuit with 3gang tuning capacitor, vernier tuning, and tuned RF stage. Delivers fine sound from built-in $31 / 2^{\prime}$ speaker. Operates on batteries or AC. Has handsome simulated leather case. Size, $4 \times 7 \times 21 / 4^{\prime \prime}$. With batteries and earphone. From Japan. Shpg. wt., 4 lbs.
10 S 4286 RS.
16.95


## Car/Home/Portable Deluxe FM-AM Radio

## Save $\$ 2.00$$\$ 3995$

Was $\$ 41.95$. Versatile portable FM-AM radio plays on 6 or 12 VDC in car, 4 " $D$ " batteries or 117 VAC at home. Has locknble mounting bracket and car antenna jack for use in car. With ferrite AM, telescoping FM antennas. AFC prevents FM drift. Also has pushbutton tone control, 4" speaker, wood-grain finish panel with removable swivel handle. With mounting bracket, batteries, AC cord and earphone. Size, $63 / 8 \times 9 \times$ $21 / 2^{\prime \prime}$ From Japan. Shpg. wt., 6 lbs . 10 S 4153 RS. 85 Monthly . . . 39.95


FM-AM Battery/AC
Portable with AFC
Save
$\$ 4.00$$\$ 15^{95}$
Was $\$ 19.95$. Solid-state radio operates on batteries or 115 VAC its own built-in AC power cord. Offers good local FM reception and clear AM. Has wide slide-rule dial, AFC on FM to prevent annoying drift. Also has $21 /{ }^{2}$ dynamic speaker for good roomfilling sound. Built-in AM antenna and telescoping FM antenna. With batteries and AC power cord. Highimpact plastic case wth silver trim. Size, $43 / 4 \times 81 / 4 \times 21 / 4^{\prime \prime}$. Japan. Shpg. wt., $31 / 2$ lbs. 10 S 4025 RS...
15.95

## Deluxe Touch-Tuning FM-AM Clock-Radio

Was $\$ 59.95$. Tunes one way automatically with touch-bar tuning. Sensitive solid-state circuit, $3 / 4$-watt output, $4^{\prime \prime}$ speaker, local-distant switch, tone control, and optional manual tuning. AM antenna, FM line-cord antenna. Fullfeature clock has snooze button. Illuminated dials. Stylish low-boy walnut finish wood cabinet. Size: $51 / 4 \mathrm{x}$ $13 / 4 \times 7^{3} /{ }^{\text {" }}$. For 117 VAC. From Japan. Shpg. wt., 8 lbs. 10 S 4172 RX. sio Monthly.

## Save ${ }^{5} 10.00$

## Five Exciting Bands

 on One Radio $\$ 79^{95}$

## FM-AM-CB-Aircraft-Police Radio

Was 889.95 . Solid-state table radio offers coveruge of $540-1600 \mathrm{kHz}$ AM; $88-108 \mathrm{MHz}$ FM; 23 -channel Citizens Band; $108-135 \mathrm{MHz}$ Aircraft Band and 149-173 MHs. Police/PublicService Band. Features 5 speaker. tuning meter, squelch controls, switchable AFC, illuminated slide-rule dial, precise logging scale, and smooth flywheel tuning. Has separate power switch-no need to interfere with volume control setting. Stylish walnut-finished wood cabinet. $83 / 4 \times 141 / 2 \times 61 / 6^{\circ}$. For 117 VAC. With headphones. From Japan. Shpg. wt.. 17 lbs. 10S5045 X. st Monthly.
79.95

With free headphones for private listening


## Every Budget...Buy One Today!



Attractive uniquely-styled cubeshaped solid-state clock-radio sounds as good as it looks. Dual slide-rule dials for FM and AM. AFC prevents drift on FM. Accurate Telechron clock wakes you to music or buzzer alarm. Snooze button for extra naps. 60-minute sleep switch with automatic shutoff. Clock has luminous hands. FM line-cord antenna. With earphone. Size, $7 \times 45 / 8 \times 33 / 4^{\prime \prime}$. U.L. Listed. For 117 VAC. Japan. Wt., 5 lbs. 10 S 4192 RS. 55 Mouthly. . . 25.95


Beautiful wood cabinef will enhance any decor

## FM-AM Table Radio in Walnut-Finish Cabinef Save $\$ 5.00$ $\$ 2995$

Was 34.95 . Full-size FM-AM table radio in handsome walnutfinish wood cabinet will be a welcome addition to anyone's home. Sensitive radio boasts four FM and three AM IF stages for better selectivity, slide-rule dial for easier tuning, AFC to prevent drift on FM, tone control, wide-range $4^{*}$ speaker. Has built-in FM linecord antenna, AM antenna. Size, $8 \times 15 \times 6^{\prime \prime}$. For 117 VAC. From Japan. Shpg. wt., 6 lbs. 10 S 41.83 RX. 85 Monthly . . .. 29.95

## Compact Solid-State Clock-Radios



## Budget AM Clock-Radlo

## $\$ 16{ }^{95}$

Full-feature Clock with sleep switch

Small size and price, yet offers full features and performance. Provides good local reception of your favorite AM stations. Fullfeature Telechron clock lulls you to sleep and wakes you to music. Attractive walnut-grain finish plastic case. $3 \times 7 \times 31 / 2^{\prime \prime} .117$ VAC. From Japan. Shpg. wt., 3 lbs.
10 S 4820 S. $\$ 5$ Monthly.
16.95


FM-AM Clock-Radio


Smartly-styled low-profile FM-AM clock-radio provides fine local reception on AM or FM. Has sliderule dial for precise tuning, $31 / 2$ " dynamic speaker for clear sound Accurate Telechron clock has sleep switch-lulls you to sleep, turns off. Attractive walnut-grain plastic cabinet. Size, $31 / 8 \times 91 / 2 x$ 51/8". 117 VAC. Japan. Wt., 4 lbs. 10S4121 S. 85 Monthly..... 24.95

## Value Prices on Solid-State Stereo Radios



# Save Up to ${ }^{535.00}$ on Stereo Phonographs 



## Portable Stereo FM-AM-Phono

## Save ${ }^{\$} 35.00 \quad \$ 114^{95}$ monhty

WTas 149.95 . Excellent value in a quality solid-state stereo phono-radio. Drop-down four-speed changer with lighttracking low-mass tubular arm and diamond stylus, automatic intermix, $11^{*}$ platter, automatic shutoff. With $45-\mathrm{rpm}$ spindle. Has $61 / 4^{\prime}$ speakers in detachable enclosures that separate up to 24 -feet, attach to sides for carrying. Controls: tuning, mode, balance, bass/treble, dual loudness, AFC, mode beacon lights. Slide-rule dial. Teak-vinyl covered wood cabinet. $141 / 2 \times 23 \times 7^{\prime \prime}$. U.L. Listed. 120 VAC. Shpg. wt., 35 lbs. 10 S 4048 RU. 86 Monthly.
.114 .95


## Complete Stereo Entertainment Center

## Save ${ }^{\$ 20.00} \$ 22995$ \$12

 Was \$249.95. Console includes 4-track stereo tape deck, stereo FM-AM radio and automatic stereo phono. Stereo FM has excellent channel separation; hear crystal clear AM, too. Balance control; slide-rule tuning. Tape deck records and plays 4-track stereo and mono at $71 / 2,33 / 4 \mathrm{ips}$. With two mikes. 4-speed changer has diamond and synthetic sapphire needles. Two $8^{\circ}$ woofers, four $31 / 2^{*}$ tweeters. Terminals for extra speakers. With takeup reel and $7^{\circ}$ reel of tape. Oiled walnut. For 117 VAC. $28 \times 40 \mathrm{x}$ $151 / 2^{\prime \prime}$. Shpg. wt., 115 lbs. Express from New York City. 10 S 4596 ZF. No C.O.D. Orders. \$12 Monthly........ 229.95Save ${ }^{s} 20$

$$
{ }^{8} 179^{95} \text { momblyy }
$$

Stereo FM-AM-Phono with 8-Track Tape Player
Was $\$ 199.95$. Solid-state console. Radio has AFC. Bass and treble controls. Four-speed stereo changer has automatic intermix. Stereo tape cartridge player with channel indicator. Two $6^{\prime \prime}$, two $21 / 2^{*}$ speakers. Oiled walnut cabinet, $261 / 2 \times 273 / 4 \times$ $141 / 2^{\prime \prime} \cdot 117$ VAC. Express from NYC. No C.O.D. Orders. Wt., 58 lbs. 10 S 4592 RZF. 89 Monihly. . . 179.95

## Stereo FM-AM Credenza with Garrard Changer

## Cut ${ }^{s} 10.00{ }^{5} 209^{95}$

Was se19.95. Beautiful furniture styling, solid-state circuit. Bass, treble, balance, loudness controls; FM stereo indicator. Two $8^{*}$, two $4^{*}$ speakers. Garrard changer has 11" platter; adjustable pickup arm. ceramic cartridge with diamond needle. $45-\mathrm{rpm}$ spindle. Mediterranean style in oak. $28 \times 42 \times 171 / 2^{\circ}$. U.L. 117 VAC. Exp. from Rochester, Minn. No C.O.D. Shpg. wt., 75 lbs.
10 S 4522 RZF. 111 Mo...... 209.95 <br> \section*{\section*{Value-Priced Solid-Stafe <br> \section*{\section*{Value-Priced Solid-Stafe <br> <br> <br> Value-Priced Solid-Stafe
Portable Stereo Phono <br> <br> <br> Value-Priced Solid-Stafe
Portable Stereo Phono <br> <br> Cut ${ }^{5} 12.07{ }^{\$}{ }^{5} 7^{88}$} <br> <br> Cut ${ }^{5} 12.07{ }^{\$}{ }^{5} 7^{88}$}

Was $\$ 79.95$. Drop-down four-speed automatic changer has light-tracking tubular pickup arm. 11"platter. With $45-\mathrm{rpm}$ spindle. The removable speaker enclosures, each with 6 " speaker, separate up to $24^{\prime}$. Separate volume for each channel, dual tone controls. Wood grain teak and black vinyl finish. $171 / 2 \times 151 / 2 x$ $10^{\circ}$. U.L. 120 VAC. W't., 28 lbs. 1054010 RU. $\$ 5$ Monthly ...... 67.88


## Portable 14"

 Color TV with
## Roll-About Cart



# Save ${ }^{\text {s }} 20.00$ 

Was \$295.00. Brilliant, life-like color. 102 sq. in. viewing area. Keyed AGC, 3 IF stages, AFC. Automatic color purifier. Full 19,000-volt picture power. VHF tuner with channel window, preset fine-tuning control. Solid-state UHF tuner has slide-rule dial. Pull-on volume control. Twin telescoping VHF, loop UHF antennas. Walnut finish. $141 / 2 \times 20 \times 161 / 4{ }^{\prime \prime}$. U.L. Listed. 117 VAC. Japan. Shpg. wt., 55 lbs.
10 S 0095 RL2Z. $\$ 14$ Monthly.


## Portable Television Sale

## (®) Our Best $19^{\prime \prime}$ Portable with Glare-Proof Screen

$\$ 1 \int_{\$ 7 \text { monthly }}^{95} \begin{array}{cc}19^{\prime \prime} \text { Picture } \\ \text { Measured } \\ \text { Diagonally }\end{array}$
W'as $\$ 139.95$. Deluxe black-andwhite portable has plare-proof black face-screen. 184 sq . in. yiewing area. Visible channel indicator for VHF. Sliding channel indicator for UHF. Keyed AGC circuit. $3 \times 5^{\prime \prime}$ oval speaker. Monopole antenna for VHF , loon for UHF. Brightness/contrast knob. Earphone jack. Handle. Wood-grained plastic finish. $181 / 4 \times 223 / 4 \times 131 / 2^{\prime \prime}$. Japan. 45 Ibs . 1054084 RU .

## (B) Save on Solid-State 12" Battery/AC Portable

## $\$ 10495$ <br> $\$ 6$ monthly <br> $12^{\prime \prime}$ Picture Measured Diagonally

Was \$114.95. Razor-sharp black-and-white pictures. 75 sq. in. viewing area. Keyed AGC. Memory fine tuning. Regulated power supply circuit. Plays on 117 VAC or with optional rechargeable battery pack or 12 VDC car cord. UHF/VHF antenna. $10 \times 16 \times 115 / 8^{\circ}$. Earphone. 10 S 5034 U. Japan. 19 lbs. 104.95 10 S 5017 X. Power Pack. Batteries, car cord, charger. Shpg. wt., 7 lbs...


Slim 16" Portable TV
$\begin{array}{cc}\$ 84^{50} & \begin{array}{c}\text { 16" Picture } \\ \text { Measured } \\ \text { Diagonally }\end{array} \\ \$ 5 \text { monthly } & \end{array}$
Repeat of Sale! Excellent value in slim-style compact black-and-white portable. Offers 141 sq . in. viewing area. AGC and AFC circuits assure excellent picture quality. 15,000 volt pieture power. Front speaker. Telescoping VHF, loop UHF antennas. $141 / 4 \times 10^{3} / 4 \times 128 / 8^{\circ}$. With earphone. U.LI. Listed. For 117 VAC. From Japan. Shpg. wt., 33 lbs.
10 S 4060 RU .
84.50

## 84 ALLIED



## Unique "Minni" ${ }^{3}$ " TV ${ }^{8} 110^{95}$ $\$ 6$ monthly

Separately, 8119.90 .4 .7 sq . in. view area. For AC, 12 VDC with optional cord or 9 "C" batts. VHF ant. $63 / 4 \times 3 \frac{1}{2} \times 6^{\prime}$. Earphone, AC adapter/batt. charger, case, visor. Japan. $7 \frac{1}{2}$ lbs.
10 S 0046 L2U.
110.95 10 S 4054 RS. TV Less Case \& Visor. $61 / 2$ lbs......... 109.95 $10 S 4047$ RS. Rechargeable "C" Batts. 2 lbs.... 9/14.95 10 S 4324 RS. Corry Case/ Sun Visor. 1 lb....... 9.95 10 S 4043 RS. 12 VDC Cord. Shpg. wt., 12 oz...... 5.95


## 5" Battery/AC TV

 $\$ 129^{95}$ $\$ 7$ monthly DiagonallyPanasonic portable with batteries and combined re-charger-117 VAC adapter that recharges batteries even while playing on AC. Built-in power indicator. Aluminized picture tube for sharp detail on 16 sq. in. viewing area. AGC. Noisc canceler circuit. Dark tinted glass. Slide-rule UHF tuning. $2^{1 \text {, }}$; speaker. Telescoping VHF, bowtie UHF antennas. Earphone. $91 / 2 \times \mathrm{t}^{3} / 8 \times 81 / 2$. Japan. Shpg. wt., 17 los.
10 S 4266 RS...
129.95

## PANASONIC

 channel VHF-UHF tuning. "Set and forget" VHF tuning adjustment. Front speaker. VHF and UHF antennas. Size, $91 / 2 \times 133 / 4 \times$ $10 \frac{1}{2}{ }^{\text {² }}$. For 117 VAC. From Japan. Shpg. wt., 15 lbs. 10 S 4085 RX .

# $9^{\prime \prime}$ Portable TV ${ }^{\$} 69^{95}$ <br> 9 " Picture $\$ 5$ monthly Diagonally 0. Measured $\$ 5$ monthly Diogonally 

Quality compact personal Quality compact personal ing price. Low-profile, black-and-white $9^{*}$ portable is our lowest priced TV. Has 38 sq. in. viewing area. Features up-front integrated control panel for all-


## all new POLAROID

## COLOR PACK OUTFITS

## Latest Color Pack Cameras

## Polaroid's Finest! Color Pack 360* Outfit

Newest Color Pack features rechargeable electronic flash, charger, built-in electronic development timer. Triplet lens, electronic shutter with two exposure ranges for color and two for black-and-white. Zeiss Ikon range/viewfinder automatically correets for parallax and field size. Outfit includes: carryall case. Color Pack film, photo album. Close-up, Portrait kits helow.
10 S 0136 L4S. Shpg. wt., 7 lbs. $\$ 10$ Monthly.
199.95 10 S 5087 S . Model 360 Alone. 3 lhs. $\$ 10$ Monthly.
189.95

## (B) Deluxe Color Pack 350* 16.Piece Outfit

Outstanding camera boasts built-in electronic timer, triplet lens, electronic shutter, Zeiss Ikon range/viewfinder. Outfit: case, flashgun, 12 bulbs, Color Pack film. 10 S 0135 L4S. Shpg. wt., 6 lbs. $\$ 8$ Monthly 159.95 10 S 5089 S. Model 350 Alone. 3 Ibs. $\$ 8$ Monthly.......... 144.95 10 S 4859 RS. Close-Up Kit for Models 360,350 . $1 \mathrm{lb} . . . . . .10 .95$ 10 S 4704 RS . Portrait Kit for Models 360,350 . 1 lb. 10.95

## Feature-Packed Color Pack 340* Outfit

Boasts triplet lens, electric eye, four exposure ranges, four speeds, electronic shutter. Built-in mechanical timer. Range/ viewfinder. Plastic housing. 16-piece outfit includes: carryall case, flashgun, 12 bulbs and Color Pack film. $10 \mathrm{~S} 0134 \mathrm{L4S}$. Shpg. wt., $61 / 2 \mathrm{lbs}$. 56 Monlhly. 10 S 4733 RS. Portrait Kit for Model 340.1 lb.

## (0) Versatile Color Pack 330* $16 . \mathrm{Pc}$. Outit

Full-feature camera has electric eye and electronic shutter for correct exposure automatically. Takes B\&W indoors without a flash! Built-in mechanical timer. Double-window coupled type range/viewfinder. Outfit includes: carryall case, flashgun, 12 bulbs and Color Pack film.
10 S 0133 L4S. Shpg. wt., $61 / 2$ Ibs. $\$ 5$ Monthy............. 89.95 10 S 5091 S . Model 330 Alone. 3 lbs. $5 \hat{5}$ Monthly.

## (E) Value-Priced Color Pack 320* $16-\mathrm{Pc}$. Outfit

 Lowest-priced folding Color Pack camera offers the same basic features as the most expensive models. Automatic exposure control, double-window range/viewfinder. Lightweight plastic housing. Outfit: case, flash, 12 bulbs, Color Pack film.10 S 0132 L4S. Shpg. wt., 6 lhs. 50
74.95

10 S 5092 S . Model 320 Alone. 3 lbs. $\$$ Monthly. 59.95

## Exciting Color Pack II** 6-Piece Outfit

Our lowest price ever for Color Pack outfit! Boasts electric eye, electronic shutter, viewfinder, rangefinder, triplet lens. built-in flash. Produces $31 / 4 \times 4 \frac{1}{4}$ " color or B\&W pictures. Outfit: case, 3 flashcubes, Color Pack film.
$10 \mathrm{~S} 0131 \mathrm{L4S}$. Shpg. wt., $3 \mathrm{~m} / 4 \mathrm{lbs}$. 55 Mouthly.
39.50

10 S 5093 S. Color Pock il Alone. $2 \$ / 4$ Ihs. $\$ 5$ Monthily....... 29.95
10 S 5094 S. Carryall Case Alone. $1 \frac{2}{2}$ Ibs. 3.95

10 S 4865 S. Flashcubes. 4 shots each. 6 oz.
Pkg. of $3 / 1.59$

## FILM, GAMERA ACCESSORIES FOR POLAROID

10 S 4928 RS. Print Copier. Lets you make color or B\&W duplicates with your P'olaroid camera. Shpg. wt., 1 lb.......... 7.95 10 S 4882 RS. Carryall Case. Shpg, wt., $11 / 2$ lbs............ 10.95 10 S 4883 RS. Development Timer. Shpg. wt., 4 oz.. . . . . . . . . 6.95 10 S 4884 RS. Self-Timer. Shpg, wt.. 4 oz...................... . . 4.95 10 S 4909 RS. Flash Attochment. For 200 - and 300 -series (except $360)$ cameras. Uses M-3 flashbulbs. Shpg. wt., $11 / 2$ lbs... 6.95 10 S 4903 RS. M-3 Floshbulbs. Shpg. wt., 6 oz.......Pkg. 12/1.59 10 S 4885 RS. Cloud Filter. Not for Models 320, 210, 220 or Swingers. Shipg, wt., 7 oz .
10 S 4886 RS. Cable Release. Shpg. wt., 4 oz..................... 1.95 10 S 4879 RS. Type 107 B \& W Film. 8 exposures. 6 oz......... 2.29 10 S 4880 RS. Type 108 Color Film. 8 exposures. 6 oz.......... 4.50 10 S 4784 RS. Photo Album. Holds up to $9031 / 4 \times 41 / 4$ photos in clear windows. Shpg. wt., 1 lb................................ . 4.95 ACCESSORY LENSES. For Color Pack 360, 350, 340, 250, 240, 230. With viewfinder, leather case. Japan. 1 lb .
10 S 4708 RS. Telephoto Lens. 2X margnification.............. 19.95 10 S 4709 RS. Wide-Angle Lens. Increases coverage $75 \%$. 19.95 10 S 4854 RS. Wide-Angle/Telepholo Lens Outfit. Separalely, $\$ 39.50$. Both lenses above with dual viewfinder, case. 2 lbs..... 34.95
*Color Pictures in One Minute, Black-and-White in 15 Seconds All Polaroid Color Prints Are $31 / 4 \times 41 / 4^{"}$


## Motorized Super/Reg. 8 mm Editor

Baio Instoview 120. Was \$39.95. Has variable forward and reverse electric drive. Big 12 sq. in. viewing screen. Focusing, framing, frame marker and lamp switch controls. Fast slip-in loading. Full $400^{\prime}$ capacity. Complete with dual reel holders, splicer and tape. For 117 VAC. 10 lbs. 10 S 4294 RX . 55 Monthly .
29.95


Enlarges up to $21 / 4 \times 2^{11} 4^{0}$ negatives, color or B\&W, up to 15 x 15". Filter drawer. Double condenser. $75 \mathrm{~mm} f / 3.5$ lens. Adjustable easel. $21 / 4 \times 21 / 4$ " carrier. 21x $161 / 2^{2} \times 9^{1 / 2}$. Req. 211 bulb. below. 117 VAC-DC. Japan. 21 lhs. 10 S 4893 RX. $\$ 5$ Monthly... 44.95

## 35 mm Enlarger

Make blowups to $8 \times 10^{\prime}$ on baseboard. Double condenser. 50 mm f/3.5 lens. $5 \times 7^{\prime \prime}$ adjustable easel. $15 \frac{1}{4} \times 13^{3} \frac{1}{2} \times 8^{*}$. Req. 211 bulb, below. 117 VAC-DC. From Japan. Shpg. wt., 11 lbs.
10 S 4892 RX. $\$ 5$ Monthly. 24.95 10 S 4622 RS. 211 Bulb. For enlargers above. Wt., 3 oz..... 80 d


## Yashica Ultraminiature Camera

## Pocket-Size <br> Outfit with Case, <br> ${ }^{5} 84^{95}$ <br> Flash and Filters $\$ 5$ monthly

"Atoron". Align dial with meter
needle and shoot. Camera selects
lens opening ( $\mathrm{f} / 2,8-\mathrm{f} / 16$ ) and
speed ( $1 / 45-1 / 250$ ). Built-in Y2,
UV filters. Weighs only 4 oz .
$4 \times 7 / 8 \times 1^{9} /{ }^{\circ}$. Includes $80 \mathrm{~B}, 4 \mathrm{X}$
filters, flash case. Japan. 3 lbs.
10 S 4998 RS . 8. Monthly . . 84.95
FILM. 36 Exp./Cartridge. 3 oz .
10 S 4999 RS. Kodachrome II Color
Film.
2-Roll Pkg./3.19
10 S 4802 RS. XT Pon. Black-

\&-White Film.. 2-Roll Pkg./1.79
ALLIED 87

## Values in Popular Movie Equipment



## Save ${ }^{\$} 15.00 \quad \$ 124^{95}$

## DP-999 Dual 8 Projector

Was \&139.95. Screen your Super 8 or standard 8 films or monitor them for editing on the built-in TV-like screen. Insert end of film into gate, projector and lamp turn on, room lamp of automatically. Shuts off at end of movie. f/1.4 zoom lens. Still projection. Film trimmer. $400^{\prime}$ reel capacity For 117 VAC. Shpg. wt., 20 lbs. 10 S 4741 RU. S7 Monthly.
124.95


## Save ${ }^{\$ 5.95 \quad \$ 89^{95}}$

## Dual 8 Projector and Bonus

Shows both regular 8 and Super 8 films with a simple spindle change. Has zoom lens, automatic threading. $400^{\prime}$ capacity. Forward, reverse, stop. With bonus: 3-400' Super 8 reels and storage cans, Super 8 splicer. 115 VAC. Japan. Wt., 15 lbs . 10 S 5059 U. 85 Monthly........ 89.95 10 S 4907 S. Accessory Package Alone. Shpg. w't., 3 lbs................... . . 5.95

Free 1-Piece Accessory Pkg.


## Bonus

Offer!
3-400' Reels, Cans, Spliser


Viceroy 5:I Power Zoom Super 8 Camera Model 250. Was \$99.95. Deluxe Super 8 power zoom camera for professionaltype movies. Has electric eye lens metering system: through-the-lens viewing. $f / 1.8$ ( 8.5 to 42.5 mm ) colorcorrected power zoom lens for ultra-smooth $5: 1$ effects. Film footage indicator. Remote control. With drive batteries, sunshade, adjustable eyepiece. Japan. Shpg. wt., $31 / 2 \mathrm{lbs}$. 10 S 5036 s
89.95



## Super 8 Zoom Camera/Dual 8 Projector Outfit

Separately, 169.44. Zoom movie camera has thru-thelens CdS electric eye, fixed focus f/1.8 manual lens. Projector has $1 / 1.6$ zoom lens, reel-to-reel loading, single switch. self-contained case. Also: camera case, $30 \times 40^{\circ}$ tripod screen, sealed-beam movie light, Super 8 film cartridge, 4 "AA" batteries. Japan. Wt., 31 lbs. 10 S 0138 L2U. $\$ 8$ Monthly. . . ................... . 149.44 10 S 4285 RS. Camero Alone. 5 liss. .74 .95 $10 \$ 5081 \mathrm{X}$. Projector Alone. 10 lbs . 69.95 10 S 5095 X. Case Alone. 2 lbs. 6.95

# 35 mm Camera and Projector Bargains 




Minolta SR-T 101 and Auto. Telephoto Lens
Single-lens-reflex camera boasts control-integrated viewfinder, thru-lens meter. $55 \mathrm{~mm} / / 1.7$ lens in bayonet mount. ASA 6-6400. 1-1/1000 sec. plus B. With Accura 135 mm automatio meter-coupled f/2.8 telephoto lens.
$10 \$ 5053$ S. Japan. Wt., 5 lbs. 814 Monthly.
279.90

10 S 5058 S. 135 mm Telephoto Lens Alone. Wt., $1 \mathrm{lb} . . .79 .95$ 10 S 5054 S. Accura 35 mm Automatic Meter Coupled f/2.8 Wide-Angle Lens for Above. Wt., 1 lb .

Save ${ }^{\text {s }} 40$


Separately, $\$ 197.90$. Popular-priced single-lens reflex features cross-coupled thru-lens exposure control. ASA 25-800. 50 mm f/2 lens in screw mount focuses $43 / 4^{\prime}$ to infinity. Focal plane shutter, $1 / 2^{-1 / 500 ~ s e c ., ~ b u l b, ~ s e l f ~ t i m e r . ~ W i t h ~}$ case and 135 mm f/2.8 preset telephoto lens.
10 S 5038 S. Japan. Shpg. wt., 5 lbs. $\$ 9$ Monthly. ... 169.90
10 S 4782 RS. Camera and Case Alone. 3 lbs... . . . . . . 157.95
10 S 5039 S. Telephoto Lens Alone. 1 lb.................. . . 39.95


## Save ${ }^{2} 25.00$ <br> $\$ 99^{90}$

Mamiya 528TL/Dual Lens Outfit Separately, \$124.90. Low-cost singlelens reflex has automatic exposure control with manual override, thru-the-lens CdS "Spot" meter, instant return mirror. Non-interchangeable $48 \mathrm{~mm} \mathrm{f} / 2.8$ lens. $1 / 500-1 / 15 \mathrm{sec}$., bulb. With case and auxiliary telephoto and wide-angle lens set and case. Japan. Shpg. wt., $41 / 2$ lbs. 10 S 5040 S. 85 Momihly. 10 S 5037 S. Two Auxiliory Lenses Alone Shpg. wt., $11 / 2$ lbs................ 29.95


## Top Rated ${ }^{8} 209^{95}$

## Miranda Sensorex 35 mm SLR

Thru-lens CdS meter reads spot indicated in viewfinder-you just match needles for precise exposure setting. $50 \mathrm{~mm} 1 / 1.8$ lens focuses close as $17^{\circ}$. Bayonet lens mount for automatic lenses, inside screw mount for preset types. Interchangeable viewfinder. Microprism focusing grid. ASA 251600. $1-1 / 1000$ sec. Self-timer. BFP, $\mathbf{X}$ synchronization. With case. From Japan. Shpg. wt., 5 lhs.
10 S 4806 S. 11 Monthly.
209.95


Our Lowest

## Priced 35 mm

## Yashica 5000 E 35 mm Gamera

Rangefinder camera with advanced integrated circuit exposure control. Just turn aperture ring until lights in viewfinder indicating over or underexposure go out. 45 mm f/1.8 lens focuses $2.6^{\prime}$ to infin. 1-1/1000 see., bulb, self timer. M-X sync. ASA $10-$ 800. Japan. Shpg. wt., 5 lbs.

10 S 4460 RS. 85 Monthly.
79.95

Lynx-14E. Ahove. but with faster //1.4 lens; speeds to $1 / 500 \mathrm{sec} .5 \mathrm{lbs}$. 10 S 4461 RS. $\$ 5$ Monthly.
99.50


## Remote Control Model 135

Ourbest-sellingslide projector. Remote controls for forward, reverse, focusing. $4^{*}$ three-element lens. Panel controls for elevation, focus. 500-watt lamp. With 100 -slide magazine. Uses Airequipt metal or plastic trays, plus stacker (below). 115 VAC. $12 \frac{1}{2}$ l lbs. 10 S 4811 RX. s $\dot{5}$ Monlhly....... 54.95


## Electronic Focusing 350/EF

Focus the first slide by remote control -all others focus automatically in $1 / 40$ sec. Remote controlled forward and reverse. 500 -watt lamp. Thumb control for elevation and leveling leg. Panel focusing control. $4^{\circ}$ f/3.5 lens. Accessories below. 115 VAC. 14 lbs. 10 S 4751 RU. $\$ 5$ Monthly....... 94.95

## Airequipt Slide Projector Accessories

10 S 4827 RS. 36 Slide Metal Magazine. Shpg. wt., $1 / 2 \mathrm{lb} . . . . . . . . . . . .1 .69$ 10 S 4828 RS. 36 -Slide Plastic Magazine. Shpg. wt., $1 / 2 \mathrm{lb}$.

10S 4812 RS. 40-Slide Metal Stacker Tray. Shpg. wt., $1 / 2 \mathrm{lb}$.. 8.95 1054912 RS. 100 -Slide Round Magazine. Shpg. wt., $1 / 2 \mathrm{lb} . \ldots . . . . . . .2 .69$


## Remote Control Slide Projector

Model 909. Was 889.95 . Features low silhouette styling and full remote control-change slides, reverse, focus. $f / 3.54^{\prime \prime}$ lens. 500 -watt bulb. Finefocus, elevation controls. Editing feature. Remote control, round tray. For 117 VAC. Shpg. wt., 20 lbs. 10 S 4753 RU. 85 Monthly.
79.95

10S 4942 RS. 100 -Slide Round Tray. Shpg. wt., 1 lb.
2.98

10 S 4943 RS. 60-Slide Straight Tray. Shpg. wt., 1 lb ..
2.19

# Big Values on Our Best Instrument Amplifiers 



Solid-state vocal amplifier system provides perfectly balanced sound for groups or solo vocalists. Delivers 80 watts of "peak music power to the speaker systems, each with two $12^{\prime \prime}$ woofers plus one high-frequency speaker. Master control unit has two hi- $Z$ mike inputs with separate volume and tone controls. External reverb input. Power switch, pilot light. $81 / 2 \times 18 \times 91 / 2^{\prime \prime}$. Spkr. enc., $32 \times 18 \times 91 / 9^{\prime \prime} 117$ VAC. Shpd. exp. from Chigo. whse. No C.O.i 10 S 4774 RZF. Wt., 100 lhs. \& Monthly.
159.95

## Value Package! Solid-State 45-Waft* Amplifier with Built-In Tremolo plus Solid-State Reverberation Unit

 Save

Rugged 45 -watt* amplifier has convenient topmounted controls and inputs. Features built-in tremolo with speed and modulation controls. Four inputs. Two channels with separate volume and tone controls. $12^{\prime \prime}$ Jensen speaker. $22 \times 18 \times 9^{\prime \prime}$. Reverb unit enhances the sound of any instrument amplifier. Two inputs, 1 output jack, foot switch jack. Reverberation delay control. Fuse, pilot light. 1214x $33 / 4 \times 5^{\prime} .117$ VAC. From Japan. Shpg. wt., 34 lbs. 10S 0139 L2U. 86 Monthly.
119.90

10 S 5104 S. Reverb Unit Alone. 6 lbs.............. 29.95


## 100-Watt* Amp with

 Tremolo and ReverbWas \$199.95. Powerful 100watt*"Piggyback" has fourinput solid-state preamp. Dual-channel amp with separate bass, treble, volume controls. Ch. 1 has tremolo and reverb. Dual foot switch. Tuned-port enclosure with two $12^{\prime \prime}$ Jensen speakers and $4^{\circ}$ tweeter. $21^{1 / 2} \times 26^{1} / 2 \times 101 / 2^{\prime \prime}$. Amp, 8x $261 / 2 \times 10 \frac{1}{2}$. 117 VAC. 1054797 RZ. 60 lbs . . 184.95


## Padded 80.Watf* Amp

The most exciting amp we've ever offered! 80-watt* solid-state piggyback amp with two $12^{\circ}$ speakers in padded vinyl cabinet on 4 wheels. Dual channel; 4 instrument input jacks.
Controls: volume, bass, treble on each channel; reverb, tremolo speed and depth on one channel. Tremolo/reverb foot switch jack. Power switch, pilot light. Amp., $6 \times 171 / 2 \times 61 /{ }^{2}$. Spkr., $291 / 2 \times 171 / 2 \times 11^{\circ}$. 117 VAC. Japan. 70 lbs. 1055103 Z


## 80-Watt* Revorb Amp

Was 3159.90 Solid-state $\operatorname{amp}$ boasts two $12^{\prime \prime}$ speakers. Features reverb with variable control; tremolo speed, intensity controls. "E' guitar tuner. 2 ch., 2 inputs each. Foot sw. jacks. $32 \times 18 \times 912^{2}$. 117 VAC. 10 S 4799 RU. 48 lbs. 144.95

## 80-Watt* Bass Amp

Repeat of Sale! Specially designed to deliver undistortod bass at full 80 -watt* out put through two big $12^{\prime \prime}$ speakers. For combo organ or bass guitar. 3 inputs. $81 / 2 x$ $18 \times 91^{\circ} \mathbf{2}^{\prime \prime}$. Spkr., $32 \times 18 \times 91 /{ }^{2}$. 117 VAC. Japan. 10 S 4764 RZ. 60 lbs... 149.95

## Guitar Outfits and Combo Organ..Save Up to ${ }^{\text {s }} 50$



## Gultar Outfit with 5-Watt* Amplifier

$\underset{s 15.00}{\text { Save }} \underset{\$ 5 \text { monhly }}{\$ 49^{90}}$
Separately, 364.30. Our lowest price ever for a 2 -pickup solidbody guitar outfit. Torsion-bar tremolo, steel-reinforced neck, fast action. 5 -watt ${ }^{*}$ amplifier has 2 inputs, $41 / 2^{*}$ speaker. $151 / 2$ $123 / 454^{\prime}$. Guitar, $37{ }^{1}{ }_{2} \times 12 \times 1^{\circ}$. With instruction book, record pick. Japan. 22 lbs.
10 S $0141 \mathrm{L2U}$. 50 Monthly 49.90 10 S 5099 X. Guitar. 7 lbs. 39.95 10 S 5100 U. Amp. 10 lbs. 24.95 10 S 5102 X. Case. 5 lbs... 10.95


## Acoustic Quitar Outfith, Case and Amp

> Save
> $\$ 25.00$

Separately, 8104.90. Acoustic electric guitar has 2 adjustable pickups, steel reinforced Canadian maple neek, torsion-bar tremolo, volume and tone controls. $39 \times 15 \times 1 \frac{1}{2}$. Outfit + includes deluxe case. 10-Watt* amplifier has $8^{*}$ speaker, yolume and tone controls, 3 inputs. $15 \frac{1}{4} \times 12^{3} / 4^{\times 3} 5^{\prime \prime}$. From Japan. Shpg. wt., 30 lbs.
10 S 0140 L2U. So Monthly 79.90 10 S 5076 U. Amp. 12 lbs. 34.95

## Our Most Popular 35Watt* Amp and Fuzz Box

Separately, 884.90 . Versatile piggyback amp delivers 35 watts* through two big $10^{*}$ speakers. Featuresbuilt-in tremolo and reverb. 3 inputs. Volume, bass, treble, dejpth controls. $4 \times 15 \times 53 / 4$ ". Spkr., 26x15x $8^{\prime \prime}$. All-metal fuzz box has volume, attack controls; foot switch. $53 / 4^{\prime \prime}$ dia.. With cable and 9-V battery. Japan. 32 lbs. 10 S 0142 L2U. N5 Monthly 74.90 10 S 4580 RS. Fuzz Box Alone. Cable, 9-V batt. 2 lbs.... 14.95


Separately, $\$ 129.90$. New twin horn solid-body guitar with recessed tremolo. $40 \times 13 \times 11 / 2^{\prime} .20-$ watt* amplifier has 3 inputs, $8^{\prime \prime}$ speaker, tremolo speed and depth controls. $17 \times 16 \times 6^{\prime \prime}$. Outfit $\dagger$ includes strap, mike, guitar case and vinyl dust cover for amp. Jspan. 26 lbs. 10 S 0143 L2U. 55 Monthly.


## Combo Organ with Bass Coupler

Was \$299.95. Portable electronic organ delivers today's sound in 5 voices: flute, wood, brass, reed, string. 49-key 4 -octave keyboard, " C " scale. Coupler drops bass octave to "G". $51 / 2 \pi$ $311 / 2 \times 14^{\prime \prime}$ closed. Legs, $32^{\prime \prime}$ high. Use any bass amp. Japan. Shpd. exp. from Chicago whse. 1054634 RZF. 55 lbs. $\$ 19$ Monthly...... 249.95

## Big Values in Musical Instrument Speakers



## 12" Instrument Speaker Sale

- Reinforced Steel Chassis for Strength and Rigidity
- Rubberized Cone Edge for Smooth Response

Was \$34.50. Model MS-12D. Provides full, rich tonal quality for electric organ, bass guitar or other instruments. Heavyduty construction. Thick steel pot plates use full potential of barium-ferrite magnet. $65 / 8-1 \mathrm{~b}$. magnet structure. Internal dust seal for added protection. Rubberized cone edges smooth frequency response and extend cone life. Oversized voice coil absorbs heat of transient peaks. 60 watts peak power. 8 ohms. Mtg. depth, $61 / 2^{\prime \prime}$. 16 S 3154 RX. Shpg. wt., $101 / 2$ lbs.


## High-Power-Gapacity Instrument Speakers

Model MI-12R2R. Deluxe $1^{\prime \prime}$ musical instrument speaker specially designed for high power handling ability at bass frequencies. Excellent for use in bass guitar and string bass applications. Can even be used with organ or electric guitar with appropriate tweeter. Heat-proof voice coil withstands high-temperature power surges. Pliable treated cone rims for long life. Baked-on enamel finish. Massive $121 / 2 \mathrm{lb}$. magnet structure. Peak power capacity, 80 watts. $2^{\prime \prime}$ coil. Lmp., 8 ohms. Max diameter, 121/4". Mounting depth, $63 / 4$. Shpg. wt., $151 / 4$ liss. 16 S 3534 U. \$5 Montriy.
Model MH 15R2R. Same as above but $15^{\circ}$ speaker, 100 watts peak capacity. Mounting dia., $14^{9}$ 价" depth, $81 / 8^{\prime \prime}$. 16 S 3535 U. Shpg, wt., $178 / 4$ lbs. 85 Momthly.
59.95


## Professional High-Power Speaker

Was $\mathbf{3} 74.97$. Model EM-1520. Deluxe $15^{\circ}$ speaker for bass guitar and string bass. $131 / 4-\mathrm{lb}$. magnet structure. Stress resistant cone; treated edges. Enamel coated voice coil; fiberglass bobbin. Breakproof leads to speaker terminals. 100 watts. 8 ohms. Depth, $81 / 4$.
16 S 3196 RX. Shpg. wt., $171 / 2$ lbs. $\$ 5$ Monthly 44.95


## Portable Folding Sound Column

Model PF-4040. Versatile system for use as fullrange instrument column. Has four $8^{\prime \prime}$ electronic instrument speakers with $3 / 4-\mathrm{lb}$. nagnets. 120 watts peak power. $50-16,500 \mathrm{~Hz}$ response. 8 ohms. Folds in seconds for easy portability. even fits in Mustang trunk. $48 \times 10 \times 8^{\prime \prime}$. Each unit, $24^{\prime \prime}$ long. 47 lbs. 16 S 3560 2. Express. 86 Monthly.
119.95

## Values in Mikes and Guitar Accessories



## Slim Crystal Mike

Was \$2.95. Special value in a low-cost crystal microphone. Slim styling; ideal for hand use. High impedance. On-off switch. $100-9000 \mathrm{~Hz}$. $6^{\prime}$ cable. Japan. Shpg, wt., 8 oz. 24 S 9587 R.
2.65


Wide-response mikewith omnidirectional pickup pattern, on-off switch, "pop-proof", grille. 100 $12.000 \mathrm{~Hz} .50,000$ ohms. $20^{\prime}$ cable, swivel adapter. Japan. Shpg. wt., 1 lb. 24 S 9023 R.


Slim Dynamic Mike
Dynamic cardioid mike perfect for pickup of voice or music. 40-18,000 Hz. 50,000 ohms. Slim $5 / 8^{\prime \prime}$ dia. $\times 65 / 8^{\prime \prime} \cdot 10^{\prime}$ cable, stand adapter. Japan. Shpg. wt., 8 oz . 24 S 9001. $\qquad$ ...... ......


## Remote-Control Mike

Hi-impedance crystal mike with built-in switch. Permits remote operation of portable tape recorders; $13 / 6 \times 13 / 4 x^{3} / 4^{\prime \prime}$. With $3^{\prime}$ cable. From Japan. Shpg. wt., 8 oz.
24 S 9277.
69.4

## Repeat of Sale



## Dual-Impedance

 Dynamic Mike $\$ 895600$ Ohms Features wide $175^{\circ}$ pickup pattern. $50-14,000 \mathrm{~Hz}$. Highimpedance and 600 -ohm outputs. Output, -56 dB . On-off switch. With $20^{\prime}$ cable. Less stand. Japan, 3 lbs. 24 S 9348 R.8.95

## Crystal Mini-Mike



Great value in a miniature crystal microphone-only $21 / 4^{n}$ long, $1^{\circ}$ dia. For recording, general purpose use, 100-10.000 Hz. Hi-Z. With $5^{\prime}$ cable. Japan. Wt., 12 oz .
24 S 9589 R.
2.49

Cardioid Dynamic Mike . . High and Low Impedances


## Full-Feature Mike af Low Price

- Built-in Switch for High/Low Impedance
- Wire Mesh Screen-Wind, "Pop" Filters
- Handsome, Durable Satin Chrome Finish

Excellent value in a dynamic cardioid unidirectional sphere-top mike. Perfect for PA, indoors or out. Dual impedance: $150-250$ ohms or hi-Z. $100-10,000 \mathrm{~Hz}$. Output, -62 dB at 1000 Hz . On-off switch, adjustable swivel adapter, $20^{\prime}$ cable. From Japan. Shpg. wt., $11 / 2$ lbs.
24 S 9222 R.
12.95

Flat-Plug Guitar Cords


Shielded cable has amplifier phone plug on one end, guitar right-angle plug on the other. Shpg. wt., 8 oz.

| Stook No, | Length, Fi. | EACH |
| :---: | :---: | :---: |
| 24 | S 9279 | 10 |
| 24 | S 9280 | $R$ |
| 24 | 59205 | $R$ |
| 24 | 15 | 2.19 |
| 24 | 20 | 3.69 |



Chrome-Plated Metal Mesh Strap. Fas $\$ 9.95$. Dress up your guitar outfit and save $25 \%$ on this $3^{\circ}$ wide adjustable strap. 8 oz . 24 S 9345 R.
Woven Design with Leather Trim. Was $\$ 4.95$. Save $32 \%$ by replacing your old strap now. $3^{\prime \prime}$ wide. Adjustable, 8 oz .
24 S 9346 R.
3.35

Solid-Sfate Mike Mixer

Repeat of Sale
$\$ 5^{88}$
Mixes 4 mikes into single output. Standard 2-conductor phone inputs, phono jack output. 6 dB gain. $23 / \mathrm{s}^{3} 6 \times 3^{1 / 2} 2^{\prime \prime}$. With battery. From Japan. Shpg. wt., 4 lbs.
24 S 9352 R.
5.88

Guitar Microphone


Professional-type with separate volume, tone controls. Mounts under strings without special attachments. Hi-impedance. $8^{\prime}$ cable, phone plug. Japun. 12 oz .
24 S 9270 R....
6.95

Guitar Confact Mike


Make your acoustical guitar sound like an electric. Clip-on mike with volume control, molded plastic plug, $8^{\prime}$ shielded cable for amplifier. Hi-Z. Japan. 8 oz. 24 S 9002 R.......... 1.88

## Crystal Lapel Mike



Fas 98e. Handy crystal mike ideal for use with portable tape recorders. Clips to pocket. $60-5000$ Hz . Hi-impedance. Output, -50 dB . From Japan. Shpg. wt., 6 oz.
24 S 9881 R.
786

# Parts Values for the Experimenter 

## Disc Geramic Capacitors



Quality dise ceramic capacitors. 48 -pc. assortment. Values from 2 pF to 1000 pF at $50-5,000 \mathrm{VDC}$. Parallel wire leads. Manufactured in America. Shpg. wt., 8 oz .
24 S 9958 R.......Pkg. of 48 for 984

## Electrolytic Capacltors


Single-Section Electrolytics. Aluminum cans; $3^{\prime \prime}$ axial leads. Wt., 4 oz.

| Stock No. |  | $\mu F$ | WVDC | EACM |
| :---: | :---: | :---: | :---: | :---: |
| 24 | 59988 | $R$ | 150 | 150 |
| 24 | 59989 | $R$ | 200 | 200 |
| 2459990 | $R$ | 20 | 450 | .98 |
| 24 | $\$ 9991$ | $R$ | 40 | 450 |
| 24 | 59992 | $R$ | 80 | 450 |



Was \$5.98. Ceramic or molded. Fifteen: 01 ; twelve: .05 ; eight: $.005, .02$, 1 ; five: . $001, .002, .047$; two: .0047, .03, 25 , F . Clear plastic case. Wt., 2 lbs.
24 S 9196 R..... Pkg. of 72 for 5.35

## Integrated Circuit Package

1 \begin{tabular}{cc}

Only \& | Designed For |
| :---: |
| Experimenter | <br>

$\$ 545$ \& | Applications |
| :---: |

\end{tabular}

Includes Fairchild NJ716. IC has 11 transistors, 6 diodes, 18 resistors. With booklet, instructions. Shpg. wt., 1 oz .
24 S 9268 R.
5.45

Soldering
Gun
$\$ 779$


30 -watt soldering gun has $3^{\prime \prime}$ longlife copper tip. Balanced handle. $3^{\prime}$ cord. $10^{\prime \prime}$ long. U.L. Listed. $110-$ 120 V. 60 Hz . AC. Japan. Shpg. wt., 2 libs.
24 S 9847 R

## Printed-Circuit Solder Pak <br> (2) 1 (10nn)Save Now $20 \% 55$

Was 69¢. Manufactured from $40 \%$ lead, $60 \%$ tin resin-core solder. 18 ga., 5 cores. Dispenser. 5 oz . 26 S 1599 R.


## Save 10\% Pkg. of $100 \$ 2^{68}$

Was $\$ 2.98$. $1 / 2$ Watt. $\pm 10 \%$ tol. Two each: $3.9,10,12,15,22,27,39,82,120$, $150,180,270,390,470,560,680,820$, $1200,1800,2700,3300,3900,5600$, $6800,8200,12 \mathrm{~K}, 18 \mathrm{~K}, 22 \mathrm{~K}, 27 \mathrm{~K}, 33 \mathrm{~K}$, $39 \mathrm{~K}, 68 \mathrm{~K}, 82 \mathrm{~K}, 100 \mathrm{~K}, 120 \mathrm{~K}, 150 \mathrm{~K}$, $330 \mathrm{~K}, 390 \mathrm{~K}, 470 \mathrm{~K}, 680 \mathrm{~K}, 820 \mathrm{~K}$ ohms; $1,1.5,1.8,2.2,3.3,5.6,6.8,8.2,10$ megs. Shpg. wt., 5 oz .
24 S 9660 R. . . . . . . Pkg. of 100 for 2.68

## Save $28 \%$ Pkg. of $200{ }^{\$ 249}$

Was $58.49 .1 / 4,1 / 2,1,2$ Watt. $251 / 4-$ watt, $1001 / 2$-watt. 251 -watt, $50 \frac{4}{2}$ watt. $\pm 5, \pm 10 \%$ tolerance. Color coded. Shpg. wt., 10 oz .
24 S 9285 R....... Pkg. of 200 for 2.49

## Big Value! Pkg. of 150 \$35

$1 / 2 \mathrm{Wath}$. Two each: $10,12,15,18,22$, $27,33,39,47,56,68,82,100,120$, $150,180,220,270,330,390,470,560^{\circ}$ $680,820,1000,1200,1500,1800,2200$, $2700,3300,3900,4700,5600,6800$, $8200,10 \mathrm{~K}, 12 \mathrm{~K}, 15 \mathrm{~K}, 18 \mathrm{~K}, 22 \mathrm{~K}, 27 \mathrm{~K}$, $33 \mathrm{~K}, 39 \mathrm{~K}, 47 \mathrm{~K}, 56 \mathrm{~K}, 68 \mathrm{~K}, 82 \mathrm{~K}, 100 \mathrm{~K}$, $120 \mathrm{~K}, 150 \mathrm{~K}, 180 \mathrm{~K}, 220 \mathrm{~K}, 270 \mathrm{~K}, 330 \mathrm{~K}$, $390 \mathrm{~K} .470 \mathrm{~K}, 560 \mathrm{~K}, 680 \mathrm{~K}, 820 \mathrm{~K}$; 2 each, $1-15$ megs. Shpg. wt., 10 oz . 24 S' 9377 R........ Pkg. of i's0 for 3.95


## 38-Po. Semiconductor Assortment Cut $10 \%$ $\$ 178$

Was 1.98. 4 PNP transistors; 4 NPN transistors; 2 power transistors (in TO-3 case); 4 silicon rectifiers (rated 2 amps); 20 germanium diodes; 4 zener diodes (rated $8 / 4$ watt). Wt., 4 oz. 24 S 9477 R.

## Heatsink Assortment



12
tor ${ }^{5} 1^{9}$
Dissipate heat from transistors. Eight 10-fin sinks for JEDEC TO-5 transistor cases and four to fit JEDEC TO-18. 4 oz.
24 S 9367 R....... Pkg. of 12 for 1.98

## Save Up to 28\% on Resistor Assortments


#### Abstract

Pkg. of $100 \quad{ }^{\mathbf{5}} \mathbf{1}^{98}$ 25 Resistance Values From 3 to 35 Watts. Wire-wound axial lead power resistors. Value-priced-less than $2 \phi$ each. Stock up now and save. Assortment of most popular values for maximum usefulness. Compact in size. Ceramic case. $\pm 10 \%$ tolerance. Install flat or stacked. Ideal for project and design applications. Shpg. wt., 10 oz . 24 S 9286 R. ....... Pkg. of 100 for 1.98 Save $22 \%$ Pkg. or $100{ }^{\$ 1} 1^{00}$


Was 81.29. $1 / 2$-Watt Values. Handy assortment contains 100 popular values. $=10 \%$ tolerance. Color coded. Shpg. we., 5 oz.
24 S 9699 R. . . . . . Pkg. of 100 for 1.00

## Pkg. of $100 \quad \$ 1^{98}$

$1 / 2,1,2$ Waft. $401 / 2$ watt, 301 -watt, 30 2 watt. $\pm 5 \%$ and $\pm 10 \%$ tolerance. Variety of sizes to meet almost every need. Shpg. wt., 5 oz .
24 S 9329 R.
Pkg. of 100 for 1.98

## Pkg. of $25 \quad 98$

25 Pc. Assortment. Wire-wound axial lead power resistors. Rated 3 to 10 watts. For replacement and design use. Shpg. wt., 6 oz .
24 S 9960 R.
Pkg. of 25 for $98 \%$.


Save $20 \%$ Save 20\% Only $55^{4}$ 78 98 .
(A) Was 69c. Power Transformer. Dual primary winding for 117; $234 \mathrm{VAC}, 50-60 \mathrm{~Hz}$. Secondary plate winding, 420 VCT @ 45 mA . Filament winding, 6.3 VCT (A) 1.68 amps. $2^{3}, 16 \times 25 / 8 \times 2^{7} / 8^{4}$.
24 S 9404 . Wt., 3 lbs.
55ф
(B) Was 98\&. Power Transformer. Use in a variety of projects. Primary, 117 VAC. Secondary, 475 VCT $70 \mathrm{~mA} ; 6.3 \mathrm{~V}$. filament (G) $1.03,1.33,0.6$ amps. Wit., $21 / 2 \mathrm{lbs}$. 24 S 9406. Limited Quanity....78\&

Power Transformer. For many transistor applications. Primary; $115 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC} .\mathrm{Two} \mathrm{sec-}$ ondaries; 6.3 V at $1 \mathrm{amp} ; 65 \mathrm{~V}$ center-tapped at 400 mA . Size, $3 \times 27 / 8 \times 21 / 2^{w}$. Shpg. wt., 4 lbs.
24 S 9966 R.
986

## Stock Up Now On Bargain Counter Specials

## 100-ft. Spools of Wire

22 -gauge hookup wire on $100-\mathrm{ft}$. spools. Stranded, with vinyl insulation. Shpg. wt., 1 lb .

| Stock No. | Color | EACH |
| :---: | :---: | :---: |
| 2459496 R | Yellow | . 98 |
| 24 S 9497 R | White/Black | . 98 |
| 2459498 R | White/Yellow | . 98 |
| 24 S9499 R | White/Blue | . 98 |

25-ft. Wire Coils

10tor $98^{*}$
Stock up now on these convenient coils of stranded copper hookup wire. Assorted colors. 22 gauge. Vinyl insulation. Wt., $13 / 41 \mathrm{bs}$.
24 S 9935 R... . . . Pkg. of 10 for 98 \&

## Phone Jacks <br> $5{ }^{60} 98$.



Great Buy! Convenient, inexpensive, high-quality. Open circuit 2conductor jacks accept standard 1/4"plugs. Shpg. wt., 6 oz.
24 S 9227 R. ...... Pkg. of 5 for $98 \phi$


Nickel-plated brass plugs with screw terminals. $27 / 8^{" ~ l o n g, ~} 1 / 4$ " diameter. Choice of red or black. Shpg. wt., 12 oz .
24 S 9225 R. Black. . . . Pkg. of $4 / 98 \notin$ 24 S 9226 R. Red. . . . . Pkg. of $4 / 98 \not /$


## Telephone Accessories


(A) 4-Prong Ivory Telephone Plug. Use for installation of extension phones. Japan. Shpg. wt., 4 oz. 24 S 9365 R.
[B] Wall-Mounting Jack. Use together with plug above. From Japan. Shpg. wt., 4 oz .
24 S 9366 R .
© Wall-Mounting. Plate. For use with plug and jack above. From Japan. Shpg. wt., 4 oz.
24 S 9389 R.
1.79
[0] 30-ft. Phone Cable. Telephone jack on one end, plug on the other. Japan. Shpg. wt., $11 / 2 \mathrm{lbs}$. 24 S 9368 R . 2.49


Allied CM-S. Was s5.00. Hear shortwave at an amazing low price. Module tunes shortwave stations through your AM radio. Tunes 25, 31, 41 meter bands ( $7-12 \mathrm{MHz}$ ). Use battery below. 24 S 9462 R. Wt., 8 oz... . . . 4.00

## VHF Police Converter <br> Save Now <br> $20 \% \quad \$ 4^{00}$

Allied CM-P. Was 85.00. Hear exciting VHF broadcasts. Module converter lets you receive police, fire calls using AM radio. Tunes $30-50 \mathrm{MHz}$. Use battery listed below.
24 S 9463 R. Wt., 8 oz... . . . 4.00
Knight 9-Volt Bottery. 6 oz .
18 S 5980 R.. . Pkg. of 2 for 59 d Bud CU-2103A Aluminum Minibox. For CM-P, CM-S above. Size, $4 \times 21 / 4 \times 21_{4}^{\text {i }}$. Wt., 4 oz .
42 S 7619 R.

## Stereo/Mono Pickup Arms



Stereo Was 81.94. Mono Was \$1.64. Turnover cartridge has 2 synthetic sapphire needles. For manual phonos. Japan.
24 S 9580 R. Stereo. 8 oz... . 1.74 24 S 9579 R. Mono. 8 oz...... 1.47

$72^{\prime \prime}$ shielded cable, 2 phono plugs; $9^{\prime}$ cable, phono plug. 2 alligator clips; 2 couplers; 1 adapter; case. Japan. 8 oz. 24 S 9877 R
1.98

## Replacement Cords

## $\left.\begin{array}{cc}\text { Pkg. of }_{10} \\ 984 & 1\end{array}\right\}$

Replace that worn or frayed cord now. For TV, radio, many appliances. $6^{\prime}$ long; plastic; plug; end-stripped. 10 oz .
26 S 1393. Black.... Pkg. 10/98

## $5^{\prime \prime}$ Cooling Fan

Durable, Reliable,
and Economical.. \$298
Extends Tube and
Component Life
Was $\$ 4.98$-Sare 20\%. Economical cooling service. $1750-\mathrm{rpm} 4$-pole motor circulates air at 105 cubic feet per minute. $5^{\prime \prime}$ fan blade. For $110-120$ volt, 60 Hz AC. Shpg. wt., 2 lbs.
24 S 9450.
3.98

## Assorted Switches



Was 98-Save $20 \%$. Includes one (4PDT) ; one (SPST); slide ( 5 ea. SPST, 3 ea. SPDT); 2 others. For jobs where space is limited. Shpg. wt., 10 oz . Limited Quantily.
24 S 9502 R.......... Pkg. of 12 for 78 \&

## Relay Assortment

4 for
${ }^{5} 1^{69}$


A handy selection of four relays with popular coil voltages and contact ratings give the hobbyist or experimenter a variety of uses. Wt., 8 oz . 24 S 9199 R.

Pkg. of 4 for 1.69

## Spaghetti Assortment

59
Versatile insulated assortment includes twenty $30^{\prime}$ lengths. Includes vatious diameters, colors and finishes. Shpg. wt., 8 oz.
2459018 R.

## 12 for Zener Diodes <br> $\$ 198$



Assortment of 12.250 mm . to studmount. 2.7 to 33 volts. Each has 1watt power capacity. Axial leads. $10 \%$ tolerance. Wt., 4 oz.
24 S 9340 R.
Pkg. of 12 for 1.98

## Terminal Strips

100 for gmaxe mem 98

[^3]
## Homeowners, Hobbyists, Bargain Hunters . .



## (A) 30-Drawer Parts Cabinet

Rigid, welded steel frame with enamel finish. "See-Thru" nonspill plastic drawers. Each drawer, $13 / 4 \times 23 / 4^{53} 3^{\prime \prime}$ deep. Plastic dividers, labels. Convenient carrying handle. $93 / 3 \times 17 \times 6^{5} /$ /n $^{\circ} .9 \mathrm{lbs}$.
24 S 9028 RX
4.94

B 12-Drawer Locking Gabinet
Welded steel frame, $61 / 2 \times 10 \times 6^{\circ}$
Handle, door. 12 drawers, $11 / 4 \mathrm{x}$ $23 / 4 \times 5^{3} 4^{\prime \prime}$; adjustable dividers. 26 S 1738 X. Wt., 4 lbs...
3.15


Minlature Audio Amplifier
Was 85.95 . For ministurized equipment. Two voltage stages, push-pull output. One-watt audio power. Four transistors. 9 -volt battery below. 24 S 9207 R. Japan. Wt., 12 oz.... 4.95 2459209 R. Above, 3-Woll Outpul.
TWas \$6.95-Save \$1.00.
1855980 R. Battery. 6 oz. . Pkg. $2 / 59$ \&


Highly efficient miniature fan circulates air at 10 cfm . Quiet operation suitable for equipment cabinets. Two-pole motor. Venturi front and back. For 115 VAC. Shpg. wt., $11 / 2$ lbs.
24 S 9048 R .
7.95
2.8

You'll like the convenience and great performance of this wireless remote-control system. Operates electric appliances up to 800 watts by turning them on and off from a distance up to 30 feet. TV, hi-fi, lights, fans, lamps are just a few of the appliances you can control. Handsome ap-, pearance. With "Teleswitch," "Telewand." Battery below.
24 S 9538. Wt., $11 / 2$ lbs.... . 18.95 18 S 5980 R. Battery . . Pkg. $2 / 59$


Miniature blowtorch develops $3500^{\circ} \mathbf{F}$ pinpoint flame using dispoasble butane cartridges. Holds $1 / 2$-hour fuel supply. Ideal for delicate work. Turns on and off easily. Solder, braze, sweat small pipe joints, perform dozens of other jobs in home or shop.
24 \$ 9263 . Shpg. wt., 10 ox_...... 3.75 2459264. Replocement Coriridges. Shpg. wt., 6 oz...... Pkg. of 4 for 1.09


Headsot Extonsion Cable


Enjoy greater mobility with a headset extension cable. Silver-gray 25 -ft. cable has 3 -conductor phone jack at one end, 3 -conductor phone plug at the other. Japan. Wt., 6 oz.
$24 S 9037$.
1.98

## Roblns NI-FI Shutoff and Record-Gare Pig.

PSG-2 P5-3 MRB. 1<br>PM-1

## Save <br> 

PS-3 Hi-Fi System Shutoff automatically shuts off system after last record is played. Manual switch, 2 AC outlets. 350 watts. $61 / 2 \times 21 / 4 \times 1 \frac{3}{4}$ ". MRB-1 All-Purpose Brush removes dust and dirt. PM1 Stylus Microscope has precision lenses, focus adjustment, slot for needle inspection. PSG-2 Stylus Pressure Gauge measures $11 / 2-10$ grams. Shpg. wt., $21 / 2 \mathrm{lbs}$.
16 S 2200. Model PKA-1...
8.48

Record-Matic Record Rack


Stores your records safely-automatically exposes them for selection Flip first album forward, rest will follow automatically. You stop operation to remove record. No springs, magnets, or motor. Wt., 4 lbs.
16 S 2019 RX.


Automatic "Dust Bug." Specially designed for manual turntables. Preserves valuable records by keeping them free of abrasive dust. Installs in just a few seconds. Wt., 8 oz.
16 S 2022 R.
5.75


Was \$12.95. Zener-regulated power supply converts 110 VAC to 12 VDC. 2 amps. Powers most auto $4-$ and 8-track stereo tape players. 215 4385. Wt., 1 lb .
10.95

## Don't Miss These Values


(A) All-Angle Lamp Kit

Has prefabricated arm assembly. Assembles quickly with just a serewdriver and pliers. Springloaded swivel joints; screw clamp. Gray. Less bulb. $110-120$ VAC.
24 S 9335 RX. Wt., 5 lbs.
9.90

## (B) Magnifier Lamp Kit

Same features as above, but takes fluorescent tube and has $5^{\prime \prime}$ magnifying lens. Ideal for close work. Order tube below.
24 S 9338 RX. Wt., 7 Ibs...... 18.95
24 S 9930 R. Tube for Above. . 2.99

## Intermatio "Time-All" $\$ 8^{95}$



Turns lights on and of automatically; starts and stops coffee-makers, fans, radios. 875 watts. White case, $5 \times 4 \times 3^{\prime \prime}$ 5 -ft. cord. U.L. Listed. 125 VAC.
24 S 9684 . Shpg. wt., $11 / 2$ lbs.
8.95

## Look-A-Plug $\$ 2^{48}$

Combination lock prevents accidents and unauthorized appliance use. Takes 2 -wire or 3 -wire plug. Easily attaches to cond. Unbreakable plastic.
24 S 9685. Shpg. wt., 1 oz.

## Light Dimmer <br> $\$ \mathbf{g}^{95}$ <br> Dims Lamps

Continuous control of one or more 117 VAC lamps up to 600 W incandescent. Cork bottom protects furniture finish. Glow-light. 6 - ft . cord. 26 S 3752 R. Shpg. wt., $11 / 2$ lhs... 9.95

(C) Four-Outlet, four-Switch Box. Rated 15 amps. With 2 -wire plug and outlets. $131 / 2 \times 21 / 4 \times 11 / 2{ }^{\prime \prime}$. 10 -ft. cord. 24 S 9343 R. Shpg. wt., $21 / 4$ lbs.... 4.95
(D) Six-Outlot, One-Switch Box. Above, but has six outlets, one switch.
24 S 9342 R. Shpg. wt., $2 \frac{1}{2}$ Ibs.... 4.95


## $\$ 788$

Astro. Com $\times 100$
Broadcasts to any standard FM radio receiver up to 100 feet away. Tunable 85 through 91 MHz . Response, 3006000 Hz . Detachable antenna screws into top of transmitter. Battery below. 24 S 9299. Shpg. wt., 202.
7.88 18 S 5345 R. Battery. 3 oz.... . o for 1.98


## Save $10 \%{ }^{\$ 85}$

Was $\$ 9.95$. Learn computers by experiments. Instruction manual contains circuit and pictorial diagrams. Also easy-to-follow discussion of logic functions, truth tables, adders, number system conversion, flip flops, more. 24 S 9296. Shpg. wt., 1 lb ..... 8.95


Sets off alarm when fire threatens or door or window is opened. Order 2 batteries below.
24 S 9686 . Wt., $1 / 2 \mathrm{lb} . . . . . . .4 .95$
185 5083. Botteries....Pkg. $2 / 27 \phi$


Separately, 86.80. Eight-book set in slip-case. Covers electric wiring, home appliances and power tools, minor home repairs, facts about television and FM antennas, concrete pouring and patching, interior decorating ideas. Post paid in U.S.
23 S 7229 REP
5.20


## Seven Quality VOM's at Special Low Prices

## 1000 Ohms/Volt Pocket Multimeter

## Save $10 \%$ <br> 

Was 84.95. For quick checks of appliances, radio, TV. Reads AC/ DC volts: $0-10-50-250-1000$. DC ourrent, $0-100 \mathrm{~mA}$. Ohms, $0-150 \mathrm{~K}$. 1000 ohms per volt DC sensitivity; easy-to-read meter; single range / function switch. $31 / 3 \times 21 / 4 \times 1$. With test leads, battery. Japan. 10 oz . 24 S 9590 R.


30,000 Ohms/Volt Pocket VOM

Repeat $\$ 1288$
of Sale
Has mirrored, wide-view scale, bold numbers. D'Arsonval meter movement. 30,000 ohms / volt DC; 15,000 ohms /volt AC sensitivity. Reads AC and DC volts to 1200; DC current to 300 mA ; ohms to 16 megs. -20 to +63 dB . Recessed nylon range selector. Size, $51 / 2 \times 31 / 2 \times 18 / 8$. With leather case, leads, battery. From Japan. Shpg. wt., 1 lb . 24 \$ 9372 R.
12.88

## Save 20\% $\$ 15^{95}$ <br> Was <br> $\$ 19.95$

24 S 9594 R.


- $1 \%$ Resistors for Highest Accuracy and Precision
- Extra-Low DC Voltage Range for Transistors

Deluxe VOM uses precision $1 \%$ resistors for high accuracy. Boasts 50,000 ohms/volt DC sensitivity; 15,000 ohms/volt AC. Reads: DC Volts: 0-0.6-3-12-60-300-600-1200-3000. AC volts: $0-6-30-120-300-$ 1200. DC current: $0-30 \mu \mathrm{~A} ; 0-6-60-600 \mathrm{~mA}$. Ohms: $0-10 \mathrm{~K}-1-10-100$ megs. -20 to +63 dB . Low resistance selector switch; easy-to-read scales. Compact case, $6 \times 4 \times 17 / 8^{\prime \prime}$. With test leads, batteries. From Japan. Shpg. wt., $11 / 2$ lbs.
15.95

## 20,000 Ohms/Volf Pockat VOM

## Repeat of Sale <br> $\$ 777$

Sensitive, handy VOM for quick field checks. Precision resistors. Reads DC volts to 2500 ; AC volts to 1000 ; ohms to 6 megs; -20 to +22 dB. Has recessed nylon range selector; easy-to-read 31/2" 2-color scale; D'Arsonval meter. $41 / 2 \times 31 \frac{1}{4} \times 1^{\prime}$. Carrying case, leads, batt. Japan. 1 lb . 24 S 9318 R.



Was \$34.95. For lab or servicemen. 4" mirrored scale. Reads: DC volts: 0 -$.5-2.5-10-50-250-1000$. AC volts: $0-2.5-10-50-250-1000$. Resistance: $0-20 \mathrm{~K}-200 \mathrm{~K}$ ohms; 0-2 megs. DC current: $0-10-250 \mu \mathrm{~A} ; 0-2.5-$ 25-250 mA; 0-10 A. -20 to +62 dB. Size, $7 \times 51 / 2 \times 31 / 4^{\prime \prime}$. carrying handle. Battery, test leads, manual. Japan. 8 lbs. \$ó Monthly. 24 S 9593 R..
27.95


Save 10\% \$ 985

## (A) Value-Priced 20,000 Ohms/Volf VOM

Was $\$ 10.96$. Has two-color scale. Reads: AC volts: $0-6-30-300-1200$. DC volts: $0-3-15-150-300-$ 1200. Ohms: $0-60 \mathrm{~K}-6$ megs. Current: $0-60 \mu \mathrm{~A}$, 300 mA . -20 to +17 dB. $43 / 4 \times 31 / 8 \times 1 \frac{1}{8} 8^{\prime \prime}$. With case, test leads, battery. Japan. 24 S 9591 r. Shpg. wt., $11 / 2$ lbs. $\qquad$ 9.85

## [B] Quality $\mathbf{3 0 , 0 0 0}$ Ohms/Volt VOM

Was $\mathbf{1 1 7 . 9 5}$. Jeweled meter movement. AC volts: 6-30-120-300-1200. DC volts: $0.6-3-15-60-300$ 1200. Current: $0-3 \mu \mathrm{~A} ; 3-30-300 \mathrm{~mA}$. Ohms: $0-$ $6 \mathrm{~K}-60 \mathrm{~K}-600 \mathrm{~K}$ ohms; $0-6$ megs. -20 to +63 dB . $65 / 8 \times 3 \frac{3}{4} \times 1^{1 / 4}$. Case, leads, battery. Japan. 24 S 9592 R. Shpg. wt., 3 lbs..


Save 15\% \$1525

## Save Up to $25 \%$ on These Special Values



## 12-VDC to 115-VAC Inverter Cut $\$ 10,00$

Whas 89.95 . Tripplite $\mathrm{PV}-150$. Save $\$ 10.00$ on this solid-state inverter that brings 115 -volt 60 Hz house current to any vehicle with a 12 -volt battery. Delivers 150 watts continuously, or 175 watts for up to 5 minutes. Front-panel on/ off switch and replaceable fuse. All metal parts treated for resistance to corrosion and weather. $31 / 2 \times 5 \times 5^{\prime \prime}$. Has mounting studs. Shpg. wt., $5 \frac{1}{2}$ lhs.
21 S 4432 R. 35 Monthly
29.95

Famous-Name Tube/Battery Tester Reduced
Kit Form. Was 829.95 . Tests over 800 radio and TV tubes for cathode emission, shorts, opens, internittents. Sockets for octals, loctals, 7 and 9 -pin miniatures, novars, nuvistors, compactrons. Tests hatteries from $1.5-90$ volts. Bakelite case, $85 / 8 \times 71 / 2 \times 318^{\prime \prime}$. Metal handle. With tube data manual. For 117 V .60 Hz AC . Shpg. wt., 41 bs
21 S 4544 R. Kit, Save $10 \%$. 85 Monthly.
24.95

21 S 4238 R. Assembled. Was 5.44 .95 . 4 lbs. 85 Mronthly 37.50

## Pomona CRT 30-kV Test Probe with Built-in Meter

$\$ 19^{95}$<br>\$5 monthly

FREE!
$\$ 1.95$

## Value

Guide

to TV Servicing Including Color TV
Separatcly, $\$ 21.90$. Fits in a tube caddy. Tests highvoltage in color or black-and-white TV sets. Built-in voltmeter. Range, 0-30,000 VDC. Has 20,000 ohms-per-volt $(50 \mu \mathrm{~A})$ movement. Accuracy, $\pm 3 \%$. Shockproof thermoplastic handle, polystyrene probe. $143 / 4$ " long. Includes Free \$1.95 TV Troubleshooter's Handhook. Shpg. wt., $11 / 2$ Ibs.
21 S 0004 L2X. \& 5 Monthly.
23 S 8917 RE. TV Troubleshooter's Handbook. 12 oz.. . 1.95

> Save on Don Bosco "Mosquito" Pen-Size Signal Tracer

Easily Locates Defective Circuits

## Save $10 \%$

Was 89.95 . Handy pocket-portable signal tracer saves you time and trouble. Small, but does a big job of troubleshooting and locating defective circuits in all typers of electronic equipment. Cordless, detachable probe. Transistor oscillator generates signals rich in IF and RF harmonics. Couples to magnetic circuits without leads. Powered by penlight battery (included). Size, $5 \frac{5}{8 "}$ long, $1 / 2^{\prime \prime}$ diameter. Shpg. wt., 3 oz .
21 S 4301 R
8.95


## Deluxe Transistor Checker Cut $\$ 4.00$

Was 519.95. Midland. Tests NPN, PNP, IF, and RF transistors, plus diodes and rectifiers. Makes standard basic tests, plus leakage, gain, open, and short tests. Leakage (ICO) current is accurate within $1 / 10 \mu \mathrm{~A}$. Beta scale from 0-300. Has $0-500,000$ ohms scale to check forward and reverse resistance of diodes and rectifiers. Black bakelite case, $7 \times 41 / 4 \times 31 / 8 *$. With socket, leads, batteries, instructions. 21 S 4551 R. Japan. Shpg. wt., 2 lbs..


## Solid-State DC Power Supply Cut $\$ 4.00$

Was \$19.95. Midiand. Low-voltage DC supply for powering transistor radios, hearing aids, low-power amplifiers, other equipment. Isolation-type line transformer. Provides $0-10$ volts at $200 \mathrm{~mA}, 0-20$ volts at 150 mA . Panel meter monitors $0-20$ VDC, $0-20 \mathrm{DC} \mathrm{mA}^{0} 0-200 \mathrm{DC} \mathrm{mA}$. AC ripple under 0.025 mV rms. Neon pilot light. Fused. $6 \frac{1}{4} \times$ $35 / 8 \times 11 / 2^{\prime \prime}$. Leads $110-120 \mathrm{~V}, 50-60 \mathrm{~Hz} \mathrm{AC}$. Japan.
21 S 4553 R. Shpg. wt., $1 / \frac{1}{2}$ lbs...

## Values in Sencore Test Equipment



## Price Cut on Deluxe Color Bar Generator

Was \$89.95. Model CG-10. Color bars, dots, crosshatch, vertical and horizontal lines. 10 standard RCA-type color bar patterns; NTSC phased colors. RF output pre-tuned to Channel 4-adjustable to 2-6 from outside. Reserve output to $200 \%$ on color bars. Steel vinyl case, $31 / 2 \times 101 / 4 \times 8 \frac{1}{2}$. Order 8 "C" batteries below. Shpg. wt., $5 \frac{1}{2}$ lbs.
21 S 4469 R. 55 Monthly
.79 .95
18 S 5078 R. Botteries. Shpg. wt., 4 oz...... Pkg. of 2 for $33 \phi$


## Save $\$ 11.62$ on Transisfor Tesfer

Was 864.50 . Model TR15A. True AC signal gain test (Beta) without disconnecting leads. Measures AC Beta and Isbo out-of-circuit. Checks diodes and rectifiers in-and-out of circuit. 41/2" meter. Units under test are protected. Switch determines PNP-NPN. Zener diode regulated power supply for high stability. Beta range 2 to infinity. I Ioho reference, $0-5000 \mu \mathrm{A} 5 \times 73 / 16 \times .31 / 16^{\prime \prime}$. For 115 VAC.
21 S 4129 R. Shpg. wt., 8 lbs. \$ō Monthly.
52.88

## New! High-Accuracy FET Multimeter

- 15-Meg Input impedance an DC and 10-Meg Input on AC
- $41 / 2^{*}$ Meter with Mirrared Scales for Accurote Readings

Model FE16. Lab-quality field-effect meter for accurate circuit testing. Minimum circuit loading by high-input-impedance DC and AC ranges. Accuracy, $1.5 \%$ on DC; $3 \%$ on AC. Ranges: 7 DC voltage ranges to 1000 volts-special zero center scale permits half-volt readings, negative or positive; 7 AG voltage ranges to 1000 volts, peak-to-peak readings to 2800 volts; 5 resistance ranges to 1000 megs; 5 DC current ranges to $1 \mathrm{amp} ; 3$ high-voltage ranges: $0-3 \mathrm{kV}$,
 leads. Order "C" cell above, 9 -V battery below 21 S 4183. Shpg. wt., 5 lbs. $\$ 5$ Monthly.
84.50

21 S 4139 R. High-Voltage Probe. Shpg. wt., 1 Ib
9.95

18 S 5980 R. $9-\vee$ Bottery. 6 oz.
Pkg. $2 / 59$

Repeat of Sale! $\$ 59^{50}$
$\$ 5$ monthly


## "Mighty Mite IV" Deluxe Tube Tester

Model TC136. Offered again at this sensational low sale pricel Thoroughly checks over 2800 tube types. Handles octals, loctals, 7 and 9 -pin miniatures, even latest 10 -pin types used in color TV. Burnout-proof taut-band meter. Simplified panel layout and speedy setup books for easy operation. All-steel case, detachable front cover. $10 \times 9 \times 31 / 2^{\circ}$. For $110-130$ volts, 60 Hz AC . Shpg. wt., 9 lbs.

[^4]Make Allied Your Headquarters for Everything in Test Equipment
Model TR139. Get this accurate transistor tester at a low sale price. Tests transistors, diodes, rectifiers in or out of circuit. In-circuit tests are made without disconnecting leads. Measure true beta and I ${ }^{2}$ bo Big $6^{*}$ meter. Ranges: Beta, 2 to infinity; $I_{\text {ebo, }} 0-5000 \mu \mathrm{~A}$. Leatherette-covered steel case, brushed chrome-steel panel. $9 \times 71 / 2 \times 6^{\prime \prime}$. With leads. For 115 VAC. Shpg. wt., 8 lbs.
21 S 4518 R. Limited QuaniutyI.
69.50

# Special Power Drill and Socket Set Values 

Your Choice of $1 / 4^{\prime \prime}, 38^{\prime \prime}$, or $1 / 2^{\prime \prime}$. Drive-R-Drill with 23-pc. Accessory Package
Adjustable Knob Holds the Drill Speed You Wont Control Switch
Save ${ }^{\text {s }} 15$ on Drive-R-Drill Outfits

| $1 / 4 "$ Drill with <br> Accessory Pkg. <br> Separately, $\$ 54.88$ | $3 / 8^{"}$ Drill with <br> Accessory Pkg. <br> Separately, $\$ 61.88$ | $1 / 2 "$ Drill with <br> Accessory Pkg. <br> Separately, $\$ 64.88$ |
| :---: | :---: | :---: |
| $\$ 088$ | 8 | 888 |



## Reversible Drive-R-Drill with Variable Speed Control

Drive-R-Drill operates in forward or reverse at any speed. It's a power drill, power wrench, electric serewdriver, sander, buffer. Drill and thread holes in any materialmetal to glass. Just squeeze the trigger harder for higher speed; also has adjustable knob to hold speed. Lightweight. $14^{\prime \prime}$ has 2.5-amp motor; $3^{\circ} 8^{\circ}$ and $1 / 2^{\prime \prime}$ have 3 -amp motor. Speed: 1/4 $0-2000 \mathrm{rpm}$; $8 / \mathrm{s}^{\prime \prime}$ -$0-1000 \mathrm{rpm} .1 / 2=0-750 \mathrm{rpm} .6^{\prime} 3$-wire cord, plug. Accessory package includes 6 screwdriver bits, 7 nutdriver bits, and 5 drill bits in fitted case, plus dial saw, drill stand. grinding wheel, arbor adapter. U.L. Listed 115 VAC. Shpg. wt., $91 / 2 \mathrm{lbs}$.
26 S 0035 L2X. Complete $1 / 4$ * Drill Pkg. 39.8826 S 0036 L2X. Compiete $3 / /^{*}$ Drill Pkg. 46.8826 S 0037 L2X. Complete $1 / 2^{*}$ Drill Pkg. 49.8826 S 1192 R. $1 / 4$ "Drill Alone. 4 lbs..... . 31.8826 S 1194 R. $3 / \mathrm{y}^{*}$ Drill Alone. $41 / 2 \mathrm{lbs}$. . . 38.8826 S 1201 R. $1 / 2^{\prime \prime}$ Drill Alone. $41 / 2$ Ibs... . 41.88
26 S 3115 R. Drill Case Alone. 1 lb . ..... 4.95
26 S 3116 ..... one.
Wt., 1 lb ..... 8.50
26 S 1285. Dial Sow Alone. 1 lb . ..... 5.95
26 S 1295. Drill Stand Alone. 10 oz. ..... 1.80
26 S 1352. Grinding Wheel Alone. 10 oz .1 .05


## HUSKY 194-Piece Professional-Quality Socket Wrench and Tool Set

$\$ 288$ - Sockels Protected with Triple-Plated Chrome Finish - Includes 50 Sockets and Accessories for Every Job<br>- Metric Socket Set for Working on Foreign Cars

The perfect selection of precision-made tools for virtually any mechanical job. Alloy Sockets and Handles: $1 / 2^{\prime \prime}$ drive-ten sockets ( $7 / 16^{\prime \prime}$ to 1). ratchet, $19^{\circ}$ speeder, $5^{\prime \prime}$ extension; $3 / 8^{\circ}$ drive-seven sockets $\left(3 / 8^{* *}\right.$ to $8 / 4^{\prime \prime}$ ), $1 / 2^{\prime \prime}$ to $8 / 8^{\prime}$ adapter; $1 /{ }^{\prime \prime}$ drive-eight 6 -point sockets ( $3 / 16^{\circ}$ to $1 / 6^{\prime \prime}$ ), three 8 -point sockets ( $1 / 2^{\circ}$ to $3^{3} 8^{7}$ ), $6^{7 \prime}$ extension, $6^{7}$ flex handle. Carbon Sockets and Tools: $1 / 2^{\prime \prime}$ drive-seven sockets ( $7 \mathrm{~Tb}^{\circ}$ to $7 / 8^{\prime \prime}$ ); " L " handle; metric drive-seven sockets ( 7 mm to 14 mm ), " L " handle; $1 / 4^{\prime \prime}$ drive-seven sockets ( $1 / 4^{*}$ to $1 / 2^{\text {" }}$ ) with " $L$ " handle and rack; ${ }^{13} / 16$ spark plug socket and bar.
Other Tools Included: 5-piece open-end wrench set ( $5 / 6{ }^{\prime \prime}$ to $3 / 4$ "); 24 -piece automotive ignition set; 8 -piece ignition wrench set; 18piece hex key set; hacksaw frame with 24 extra blades; 17 -piece screwdriver set; 13 -piece drill set; $3 / 8^{\circ}$ tempered steel cold chisel; $6^{*}$ combination plier; shop knife and five blades; fine and medium armature paper for "turning" armatures. Rugged metal tool box with tote tray holds complete socket and tool set.
26 S 2412 RX. Shpg. wt., 30 lbs. 85 Monthly.
38.88

## Exciting Offers on Power Tools, Labelmakers

## with FREE 3-Jaw Chuck <br> - Eleven Speeds ( 900 to 7200 rpm ) <br> - Headstock Can Be Rotated $360^{\circ}$ <br> - Spindle Accurate to $.0005^{\text {" }}$

Unimat 5-in-I Miniature Machine Shop Lathe

It's a lathe, drill press, milling machine, polisher and grinder . . . all in one compact, precision unit. Headstock removes from bed for vertical set-ups. Ball bearing idler assembly powered by self-contained 1/10-hp 115 VAC motor.
Lathe handles $3^{\prime \prime}$ dia. pieces, 6.9" between centers. Drill takes pieces $61 / 4^{\prime \prime}$ high, drills to center of $61 / 4^{*}$ circle. With Jacobs-type drill chuck, roughing bit, wood chest, 40 -page handbook, plus free 3 -jaw universal lathe chuck that centers round shank tools and workpieces from $118^{*}$ to 21/4". Overall, $141 / 2 \times 5 \times 5^{\prime \prime}$. Austria. 26 S 0038 L2U. Wt., 38 lbs. . . 139.50 26 S 2442 R. 1001 3-Jow Universal Chuck Alone. 214". Wt., 1 lb... 24.95 You con turn, face, grind, buff, saw, sand, thread, mill, drillquickly converts from one operation to another

## Moto-Tool Kit/Free Router

Powerful tool for hobby and shop work. $71 / 4$ " long, only 11 oz . $0.9-\mathrm{amp}$ motor; 30,000 rpm. no load. With 34pc. access. kit: hi-speed steel cutters, grinding wheels, polisher, brushes. sanding dises, drum sander, mandrels, dressing stone, wrench, 4 collets ( $1 / 8^{*}$, 3/52", 1/16", 1/32), case, phas router (order bits below). 115 VAC. 26 S 0050 L2X. Wt., 3 lbs...
44.95 26 S 3261 R. 280 Moto-Tool Alone. Shag. wt., 2 lbs. 55 Monthly. . . . . . . . 38.95 $26 \$ 1025$. Router Alone. $1 \mathrm{lb} . . . . .9 .95$ 26 S 1063. $1 / 2$ " Cutter. 4 oz......... 2.75 26 S 1204. 3/6" Cutter. 4 oz. 2.75 265 1124. $1 / 4$ " Cutter. 4 oz.......... 2.75 26 S 1291. Convex Edger. 4 oz! .... 2.75 26 S 1292. "V" Grv. Bit. 4 oz........ 2.75 26 S 1135. Veining Bit. 4 oz......... 2.75



## Dymo M-20 Deluxe Labelmaker Kit

Wras 834.95 . Versatile labelmaker is ideal for any tape job. Embosses both horizontally and vertically. Easily handles those large-tape jobs. Kit includes precisionmade embossing tool. 3 wheels (for $3 / 8^{\prime \prime}, 1 / 2^{\prime \prime}$, and vertical characters), five $3 / 8^{\prime \prime}$ and five $1 / 2^{\prime \prime}$ tapes, case. (Order extra tapes from Cat. 280, p. 280 .)
26 S 3185 R. Shpg. wt., 4 libs. $\$ 5$ Monthly.
. 19.95


## Dymo M-6 Low-Cost Labelmaker Kit

Was 59.88. Just dial each letter, number, or symbol and squeeze the handle. When finished, squeeze trigger to snip off label. Kit includes high-impact plastic embossing tool, two wheels (for $1 / 4{ }^{\circ}$ and $3 / 8^{\prime \prime}$ characters), three $3 / 8^{\prime \prime}$ and two $14^{\prime \prime}$ tapes, carrying case. (Order extra tapes from Cat. 280, p. 280.) 2653183 R. Shpg. wt., $11 / 2 \mathrm{lbs} .$.
6.88

## Latest Values in Famous-Name Power Tools



AMT $8^{\text {n }}$ Tilt Arbor Saw with Motor

- With I-hp Motor - 2 Precision Mitre Slots - Cuts to $21 / 4{ }^{\text {" Depth }}$

Model 2164. Big Value! Amazingly versatile precision table saw-crosscuts, rips, bevels, mitres; cuts compound angles; makes dadoes, mouldings, coves. Perfect for precise woolworking and cabinetmaking. Solid-ground $101 / 2 \times 13^{\prime \prime}$ cast iron table has 2 precision mitre gauge slots. Cuts to $21 / 4^{"}$ depth; blade tilts to $45^{\circ}$. Ball and sintered bronze bearings. With 1 -hp motor, blade, rip fence, blade guard. $10^{\circ}$ table extensions. 115 VAC . Wt., 38 lbs . 26 S 1430 RU. 55 Monthly.
54.95

## AMT 4-Ft. Wood Lathe with $12^{\prime \prime}$ Swing

Was \$29.95. Industrial-quality, full-size lathe for big wood-turning jobs. Has swing of $12^{\prime \prime}$ for pieces up to $12^{\circ}$ dia. with $36^{\circ}$ maximum between centers. Graduated T-rest assembly, screw-action tailstock ram. Headstork spindle is $3 / 4^{\prime \prime}$; tailstock spindle, $5 / 8$ ". Heavy duty spur center, ball thrust cup center. $49^{\circ}$ bed. Order 1 -hp motor below.
26 S 3268 RX .27 lbs . Monthly.
22.95

26 S 3274 RX. 1-hp G.E. Motor. 17 lbs.


Vertical

AMT Belf and Disc Sander
Model 271. Wias 524.95. Rugged belt sander operates horizontally or vertically; unique track/tension adjustment. Disc sander table tilts to $45^{\circ}$. Drive spindle for $1 / 4^{\prime \prime}$ tools. 115 VAC. Order 1-hp motor below. Shpg. wt., 17 lbs.
26 S 1282 RX. 55 Monthly... . 19.95 26 S 3274 RX. Motor. 17 lbs. . 22.95

## Save Over 15\% ${ }^{8} 14^{99}$

## Black \& Decker Jig Saw

U-153. Was 817.77. Makes straight, curved, seroll cuts in wood, metal, plastics. $1 / 7-\mathrm{hp}, 2.4-\mathrm{mmp}$ motor operates at 3000 strokes/minute for fast cutting. Stroke length, $5 / 8^{\prime \prime}$. With rough wood cutting blade, hex wrench. $110-120$ VAC. 26 S 2349 R. Wt., 4 lbs.

## Thor Roto-Blade Speedsaw

Cuts Scrolls and Tight Curves-Just Twist the Knob to Change Direction
$\$ 39^{95}$
\$5 monthly


Fingertip power steering cuts any direction without turning tool-or lock blade in position. $3400 \frac{5}{8}{ }^{\text {" }}$ strokes/minute. 2 wood blades, 3 -wire cord. 115 V AC/DC. 26 S 1458 X. 5 lbs. $\$ 5$ Monthly. ..... 39.95

## Bargain Prices on Shopcraft Portable Power Tools



## Varlable Speed $3 / 8^{\prime \prime}$ Drlll

Model 9756. Amazing home workshop value! Heavy-duty, compact drill provides fingertip control of $0-1000 \mathrm{rpm}$ speed. Rugged 2-amp motor has dou-ble-reduction gears, oil-impregnated bronze-type bearings. Auxiliary handle. Less bit. 115 VAC. U.L. Listed. 26 S 1232 R. Shpg. wt., 4 lbs. . . 16.88


## 3/8" Stroke Sabre Saw Kit

9150. Cuts everything from $2 x 4$ 's to delicate seroll work, even in metal3050 strokes/minute for fast cutting. Rear-grip handle for precision control, less fatigue, 2 -amp motor, oilimpregnated bronze-type bearings. 3 blades, compartment. 115 VAC. 26 S 1456 X. Wt., 8 lbs.......... 17.88


## 7-Inch Circular Saw

9157. Cuts $21 / 2^{\prime \prime}$ at $90^{\circ}, 2^{\circ}$ at $45^{\circ}$. $9-$ amp motor develops 1 hi hp-plenty of power for toughest jobs. Has overload clutch, sawdust ejection chute, Visiport so you can see blade at all times. $7^{\prime \prime}$ combination blade, graduated rip guide. 115 VAC. Wit., 15 lbs. 26 S 1457 X. si Monthly. ...... 23.88

## Special Bargains in Popular Auto Accessories



Auto Lamps

| Save | $\$ 9^{98}$ |
| :--- | :---: |
| $23 \%$ | Fog or Driving |

Was \$12.98. Extremely powerful fog and driving lamps for safer night driving. Ultra-thin, $5 \frac{3}{4}$ " dia. Tempered white glass lens, longlife quartz-iodine element. 12 VDC. 2 lbs. Imported. 19 S 4557 R. Fog Lamp. 9.98 19 S 4558 R. Driv. Lamp. 9.98


## Two-Tone Horn Set



Was 819.95. Two chromeplated brass horns play con-tinental-type alternating signal or single blast. Powerful, distinctive. Range, $1 /$ mile. $9^{\prime \prime}$ trumpets. Cycle switch, heavy-duty compressor. 12 VDC neg. gnd. 19 S 4187 RX. 5 lbs. . . 15.95


## DC Powor Timing Light

Save<br>$\$ 5.00$

\$5 monthly

Was \$29.95. Accurately checks timing, distributor action, etc. Solid-state. Slim, well-balanced. Automatically adjusts to 6 or 12 V systems. Brightly focused beam; non-polarized. Pushbutton trigger. $31 / 2$ libs. 19 S 4134 R., ......... . 24.95

Auto Dwell/Tachometor


Was \$39.95. Monitors rpm, dwell angle. Tach reads 01000, 0-5000 rpm. Dwell meter indicates point condition, timing. For 4, 6, $8-$ cyl. engines; 6 or 12 V , pos. or neg. gnd. Solid-state. With leads. $31 / 2$ lbs. 19 S 4135 R............ 29.95


Tripplite Burgiar Alarm

$$
\begin{array}{ll}
\text { Save } & \$ 19^{95} \\
\$ 5.00 & \$ 5 \text { monthly }
\end{array}
$$

Was $\$ 24.95$. Police-type siren sounds when door is opened, hood or trunk lid is raised. Can be wired to blast when emergency brake is released. Stays on until reset by pickproof lock. Tough plastic siren. With all switches, brackets, wire and instructions. For 6, 12 or 24 volt negative gnd. Shpg. wt., 5 lbs.
19 S 4569 R.
19.95


## Capacitlve-Discharge Ignition

Separately, \$49.90. Delta "Mark 10" system features SCR switching- 3 to 4 times more energy, spark rise-time 10 times faster. Boosts performance, gives easier starts. Installs in 10 minutes. 12 VDC neg. gnd. With bonus manual. 19 S 0030 L2X. 8 lbs. 85 Monthly. 39.95

FREE!<br>With Either Ignition SystemChilton's 1969 1400-page Auto Repair Manual.<br>Reg. $\$ 9.95$



## Electronic-Magneto Ignition

Separately, \$49.83. Judson silicon-transistor system for faster starts, better high-rpm performance. Like a magneto -voltage increases as engine rpm increases. Requires just 2 wires from coil. $6 / 12 \mathrm{~V}$ neg. gnd. With bonus manual. 19 S 0053 L2X. $8 \frac{1}{2}$ lbs. s5 Monthly 39.88


## Portable Spot-Lite

$\$ 5^{95}$
Hand spotlight plugs into 12 -volt cigarette lighter socket. Sealed heam provides 35,000 candle power illumination anywhere around car, with 6 -ft. cord. Essential for emergencies. Chrome plated, die-cast aluminum housing. 3 lbs . 19 S 4603.


## Side Marker Lights <br> Set of 4 $\$ 4^{49} \begin{aligned} & \text { Save } \\ & 10 \%\end{aligned}$

Was sh.95. Bring your car up-to-date; required on all 1969 cars. Gives added safety by warning autos approaching from the side. Easy to install: waterproofed: uses S.A.E. lenses and bulbs, two red, two amber. 12 VDC. $11 / 2$ Ibs. 19 S 4021 R. Set of 4 for 4.49

$270^{\circ}$ Auto Tachometer $\begin{array}{ll}\text { Save } & \$ 24^{95} \\ \$ 5.00 & \$ 5 \text { monthly }\end{array}$
Was *29.95. Custom-styled $31 /{ }^{2 \prime}$ tach has full-sweep $270^{\circ}$ dial. Adjustable pointer can be set to shift points. Reads 0-9000 rpm. Universal panel mount, chromed case. Zener diode controlled. For 6 or 8 -cyl. engines, 6 or 12 V. Shpg. wt., 3 lbs. 19 S 4431 R..


## Deluxe Aufo Analyzer Repeat $\$ 59^{95}$ of Sale $\$ 5$ monthly

Big value! Solid-state analyzer combines 7 instruments in one! Tachometer; dwell meter; voltmeter; ammeter;ohmmeter;condenser checker; ignition tester. 6" meter. For 4, 6, 8-cyl. engines; 6 or 12 V . With batteries, leads. 8 lbs. 19 S 4208 RX..

## Big-Value FM-AM Car Radios, FM Tuners ...

Save ${ }^{s} 10.00$
Deluxe FM-AM Radio
$\$ 5095 \underset{\substack{\$ 5 \\ \text { monthly }}}{\substack{50}}$
(A)


Save ${ }^{s} 10.00$
Volkswagen $\operatorname{FM}$-AM $\$ 59^{95}$
$\$ 5$
monthly

## Repeat of Sale! <br> Inland Stereo Radio <br> $\$ 89^{95}$ <br> \$5 <br> monthly

Save ${ }^{s} 2.00$
AM Pushbutton Radio (0)
$\$ 27^{95}$ monhly

Save ${ }^{5} 5.00$
Shortwave Car Tuner
$\$ 24^{95}{ }^{\text {s5 }}$ monly
(B)


## ALIIED Trunk or Dash Mount Tunable Reverb Specials!




Repeat
of Sale! $\$ 1995 \underset{\substack{\text { monthly }}}{\$ 5}$

## Accessories for All Cars... Save Now!

## (4) FM-AM Automatic Pushbutton Radio

Was 869.95. Solid-state radio gives you static-free FM plus AM. Sensitive circuit for strong, clear signals. Pushpull output provides plenty of volume without distortion. Mounts easily under dash in all cars, trucks, boats, and in the dasli of many autos. Includes volume, tone controls; Automatic Frequency Control for drift-free FM. $5 \times 7^{\circ}$ speaker, $51 / 8^{\prime}$ knob centers. For 12 VDC, positive or negative ground. $2 \times 7 \times 7^{\circ}$. From Japan. Wt., 10 lbs,
19 S 4254 RX. 85 Monthly
59.95

## [ ${ }^{\text {B }}$ Custom FM-AM Volkswagen Radio

Was $\$ 69.95$. Add the pleasure of FM and AM radio reception to your Volkswagen at this low sale price! Mounts in dash of 1958-1907 Volkswagen sedans. Five easy-set pushbuttons, three for AM and two for FM. Instant-play solidstate circuit has seven tuned stages, plus RF stage for outstanding reception. AFC; tone control; $6^{\circ}$ speaker. Includes everything for easy installation. For 6 or 12 volt. From Japan. Shpg. wt., 9 lbs.
19 S 4456 RX. 85 Monthly.
59.95

## © Inland Deluxe Stereo FM Car Radio

Add the exciting realism of true stereo FM to your car. Solid-state circuit gives 30 watts peak output ( 15 watts per channel); 20 dB or more channel separation. Pulls in stereo FM plus monophonic FM. Four double-tuned IF stages, AFC for drift-free tuning. Noiseless, electronic stereo-mono switching. Balance control, mono-stereo switch, tone and volume controls. Mounts under dash. For 12 VDC, negative or positive ground. From Japan. 19 S 4539 RU. Shyg. wt., 7 lbs. $\$ 5$ Monthly.
89.95

## [0 Lowest Priced Pushbutton AM

Was $\$ 29.95$. Solid-state AM radio with high-gain circuit has five pushbuttons for fingertip control. Mounts under dash in any 12 VDC vehicle. Will mount in-dash in some cars. $5 \times 7^{"}$ external speaker. $51 / 8^{\prime \prime}$ knob centers. Large slide-rule dial for positive, on-station tuning, Size, 2x $5 \times 63 / 8^{\prime \prime}$. For 12 VDC, negative or positive ground. From Japan. Shpg. wt., 9 lbs.
19 S 4235 RX. \&5 Monthly.
27.95

## [ Pushbutton 9-Band Shortwave Tuner

Was $\$ 29.05$. Receive $3.1-22 \mathrm{MHz}$ shortwave in your car Solid-state tuner pulls in Voice of America, Hams, more. Pushbuttons select $90,60,49,41,31,25,19,16$, and 13 meters. Tune your AM radio to 1000 kHz , select desired band, then tune with your regular radio. Plugs into antenna socket of AM radio, uses its antenna. Size, $15 / 8 \times 81 / 9 \times 31 / 2^{2}$. 6 or 12 V, neg/pos. gnd. Japan. Shpg. wt., $31 / 2$ lbs.
19 S 4041 R. 55 Monlhly
24.95

## (6) Trunk Mount Tunable Reverb

Tunable reverberation control mounts on the dashboard panel. Double-spring system gives you "stereo" effect. Control unit with pilot light has two recessed knobs on die-cast panel. Variable control on dash panel lets you adjust reverberation to any level for thrilling "live" sound. With speaker. Reverb mounts in trunk. 12 volt, neg. gnd. 19 S 4541 R. Shpg. wt., $51 / 2 \mathrm{lbs}$. $\$ 5$ Mouthly
22.95

## (G) Dash Mount Tunable Reverb

Enjoy brilliant "concert-hall" sound in your car. Mounts under dash, connects to radio. Double spring reverb with tuning control. Styled in chrome and non-reflective pebble grain. Safety knobs, pilot light. $11 / 2 \times 7 \times 51 / 2^{*}$. Variable control on dash panel lets you adjust reverberation to any level for thrilling "live" sound. With speaker. For 12 volts, negative ground. Shpg. wt., 6 lbs.
19 S 4543 R. 85 Monthly

## Utah Rear Deck Speaker Kit Improves Car Radio Tone

## Save <br> Over 23\%

Was $\$ 12.9 \bar{s}$. Finest 2-way rear deck kit. Has 6x9 woofer with 6-oz. magnet for good bass, plus $3^{\prime \prime}$ tweeter for better highs. For 10,20 , or 40 ohms wiring. Cap., 15 watts peak. Chrome grille, $5 \frac{1}{2} \mathrm{x}$ $9^{\prime \prime}$. Depth, $3^{\prime \prime}$. Screw terminals for no-soldering hookup. Grille, escutcheon, fader contol, hardware, wire, instructions. Shpg. wt., $21 / 2 \mathrm{lbs}$.
19 S 4571 R.
.9 .88

Save
\$5.00
s24 ${ }^{95}$
\$5 monthly


## Tratfic Radar Detector

Was 899.95. Handy, easy-to-install device that gives audible warning when triggered by police radar. Alerts you when driving into dangerous area, makes you aware of speed limits for extra safety. Small and compact, it clips to sun visor. Has 8-transistor circuit powered by two 1000hour mercury batteries. Volume control. Size, $21 / 4 \times 35 / 8 \times 314^{*}$. Beige color. Use may be regulated by state laws. Shpg. wt., $11 / 4$ lbs.
19S4132R. s5 Monthly
24.95


## Water-Oil-Amps Gauge Kit

## Save ${ }^{\text {s }} 3.00$ <br> $\$ 14^{95}$

Was sif.95. Panel with trio of $270^{\circ}$ wide-sweep gauges for efficient monitoring of your engine's operation. Lets you spot trouble before it begins. Includes $0-80 \mathrm{lb}$. oil pressure gauge, $100-250^{\circ}$ water ternperature gauge, and 60-0-60 amineter Illuminated. In deluxe chrome panel with black and walnut inlays. 12 VDC.
19 S 4564 R. Shpg. wt., 2 lbs
14.95

# 8-Track Stereo Cartridges FOR HOME OR CAR STEREO TAPE PLAYERS 


$\underset{\text { As }}{\text { Low }} \$ 5^{89}$
*indicates
Twin-Pack,
Equal to two LP's

## Convenient

## Stereo Tape Cartridge Holder $\$ 4^{95}$

## Save ${ }^{8} 1.00$

Was 85.95 . Convenient cartridge holder provides ideal storage for 4 - or 8 -track cartridges. Has room for up to 10 cartridges. Keeps your tape library organized and keeps cartridges dust-free. Molded carrying handle. Rugged plastic case, walnut-vinyl top. $13 \times 5 \times 6^{*}$.
19 S 4118 RX. Shpg. wt., 2 lbs
4.95

8-TRACK STEREO TAPE CARTRIDGES (Shpg. w.., 6 oz .)

INSTRUMENTALS-EASY LISTENING

| Stack No. | Tille | Artist | EACH |
| :---: | :---: | :---: | :---: |
| 1954271 RS | Whipded Croam and Others | Tijuana Brass | 5.89 |
| 1954390 RS | Sounds Like the Tijuana Brass | Tijuana Brass | 5.89 |
| 1954474 RS | Going Plares | İjuana Brass | 5.89 |
| 19546145 | The Beat of the Brass | Tijuana Brass | 5.89 |
| 1954475 RS | Goiden Hits | Mantovzni | 5.89 |
| 19546155 | Memories | Mantovani | 5.89 |
| 19546165 | Mantovani Touch | Mantovaní | 5.89 |
| 1954281 RS | Best ol H. Mancini | H. Mancini | 5.89 |
| 1954284 RS | *Lovers/Martinis/Memories | Jackie Gleason | 8.49 |
| 1954062 F | How Sweet it is /Music Round the W | Jackie Gleason | 8.49 |
| 1954477 RS | The Best of Billy Vaughn | Billy Vaughn |  |
| 1954480 RS | Boots with Strings | Boots Randoiph | 5.89 |
| 1954481 RS | Best of Al Hirt | Al Hirt | 5.89 |
| 1954091 RS | Loye Rhapsodies | Midnight String Quartet | 5.89 |
| 19546175 | The Look of Love | Midnight String Quartet | 5.89 |
| 1954092 AS | Grestest Hits | Leonard Bernstein |  |
| 1954093 RS | Greatest Hits | Eugene Ormandy | 6.89 |
| 19546185 | Fool on a hill | Sergio Mendes | 5.89 |
| 19546195 | Do You know the Way to San Jose | Baja Marimba | 5.89 |
| 19546205 | Bloomin Hits | Paul Mauriat | 5.89 |
| 19546215 | Prevalling Airs | Paul Mauriat | 5.89 |


| 19 S 4296 RS Time Out | $\overline{\text { Dave Brabeck }}$ | 9 |
| :---: | :---: | :---: |
| 1954486 RS A Day in the Lite | Wes Montzomery | 5.89 |
| 1954487 RS Best of | Wes Montromery | 5.89 |
| 19546225 Willow Weep for Me | Wes Montgomery | 5.89 |

## SOUNDTRACKS

| 19 S 4297 RS | Sound of Music | Original 1 rack | 6.89 |
| :---: | :---: | :---: | :---: |
| 1954301 RS | Or. Zhivaso | Original Track | 6.89 |
| 19546235 | Space Odyssey 2001 | Original Track | 7.89 |
| 19546245 | Funny Girl | Original Track | 6.89 |
| 19546255 | Finian's Rainbow | Orlginal Track | 6.89 |
| 19546265 | Camelot | Original Track | 6.89 |
| 19546275 | Mission Impossible | TV Soundtrack | 5.89 |

## PIANO AND ORGAN

| $\begin{aligned} & 1954404 \text { RS } \\ & 19546285 \\ & 19546295 \\ & \hline \end{aligned}$ | EDD Tide <br> Only For Lovers <br> More ithan a Miracle | Earl Grant Roger Williams Roger Williams | 5.89 <br> 5.89 <br> 5.89 |
| :---: | :---: | :---: | :---: |
| POPULAR VOCALS |  |  |  |
| 19546305 | Happening in Central Park | Barbra Streisand |  |
| 1954333 As | The Very Best of Connie Francis | Connie Francis | 5.89 |
| 1954103 RS | Valiey of the Dolls | Dionne Warwick | 5.89 |
| 19546315 | Promises Promises |  | 5.89 |
| 1954102 RS | Lady Soul | Aretha Franklin | 5.89 |
| 1954501 RS | That's Life | Frank Sinatra |  |
| 19546325 | Greatest Hits Vol. I | Frank Sinatra | 5.89 |
| 1954633 S | Cycles | Frank Stnatra | 5.89 |
| 1954326 RS | Everybody Loves Somebody | Dean Martin | 5.89 |

POPULAR VOCALS (Cont.)

| Stock No: | Title | Artist | EACH |
| :---: | :---: | :---: | :---: |
| 19546345 | Gentle on my Mind | Dean Martin | 5.89 |
| 19546355 | GreatesI Hits, Vol. I | Dean Martin | 5.89 |
| 1954505 RS | My World | Eddy Arnold | 5.89 |
| 1954506 RS | Best of Eddy Arnold | Eddy Arnold | 5.89 |
| 19546365 | Walkin in Love Land | Eddy Arnold | 5.89 |
| 1954507 RS | My Cup Runneth Over | Fd Ames | 5.89 |
| $19546375$ | Apologize | Ed Antes | 5.89 |
| 1954508 RS | Grealest Hits | Johnny Cash | 5.89 |
| 19S4638S | TV Special | Eivis Presley | 5.89 |
| 19546395 | Golden Records I | Elvis Presley | 5.89 |
| 19546405 | Golden Records IV | Elyis Presiby | 5.89 |
| 19546415 | Wichita Lineman | Glen Campdell | 5.89 |
| 19546425 | By the Time I Get to Phomilx | Glen Campbell | 5:89 |
| 19546435 | Gentle on my Mind | Glen Campbell | 5.89 |
| 19546445 | Feliciano | Jose Feliciano | 5.89 |
| 19546455 | Souled | Jose Feliciano | 5.89 |
| $19546465$ | Special Request | The lettermen | 5.89 |
| 19546475 | Going Out of my Head | The Lettermens | 5.89 |
| 19546485 | Greates! Hits I | Johnny Mathis | 5.89 |
| 19546495 | Honey | Johnny Mathis | 5.89 |

## TODAY'S SOUND-TEEN FAVORITES

| $\begin{aligned} & 19 S 4069 \text { RS } \\ & 1954070 \text { RS } \\ & 9 \$ 4650 S \\ & 1954651 S \\ & 954513 \text { RS } \end{aligned}$ | Grealesi Hits, Voi. 1 Greatest Hits, Vol. 2 Join the Templations Love Chid Golden Hits | Supremes <br> Supremes <br> Supremes <br> Suprames <br> The ventures | $\begin{aligned} & 5.89 \\ & 5.89 \\ & 5.89 \\ & 5.89 \\ & 5.89 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| \|954518R5 | Greatest Hits | The Temptations | 5.89 |
| 1954071 RS | Sounds of Silence | Simon/Garfunkle | 5.89 |
| 1954072 RS | Parsley. Sage, Etc. | Simon/Gariunkle | 5.89 |
| 19546525 | - Beatles | The Beatles | 11.89 |
| 19546535 | Yellow Submarine | The Beatles | 5.89 |
| 19546545 | Sgt. Pepper's Lonely Hearts Clut Band | The Beatles | 5.89 |
| 19546555 | Begrars Banquet | Rolling Stones | 5.89 |
| 19546565 | Supder Session | Milte Bloomfield | 5.89 |
| 19546575 | Electic lady Land | Jimi Hendrix | 8.89 |
| 19546585 | Realization | Johnny Rivers | 5.89 |
| 19546595 | Greatest Hits | James Brown | 7.89 |
| +9546605 | Boogie with | Canned Heat | 5.89 |
| +9546615 | Living the Blues I | Canned Heat | 5.89 |
| 19546625 | Living the Blues II | Canned Heat | 5.89 |
| 19546635 | Steppenwolf 2 nd | Steppenwolf | 5.89 |
| 19546645 | Witd Flowers | Judy Collins | 5.89 |
| 1954665 | Greatest Mits | Petula Clark | 5.89 |
| $+9546665$ | Golden Ear 11 | Maines and Papas | 5.89 |
| 19546675 | Greatest Hits | Rascals | 5.89 |
| 19546685 | Greatest Hits | Association | 5.89 |
| 19546695 | Wheels of Fire Vol. II | The Cream | 5.89 |
| 19546705 | Disraeli Gears | The Cream | 5.89 |
| 19546715 | In-A-Gadda-Da-Yida | Iron Butterliy | 5.89 |
| 19546725 | Stone Soul Picnic | 5th Dimension | 5.89 |
| 19546735 | Incredible | The Union Gap | 5.89 |
| 19546745 | Super Hits Vol. I | Various Artists |  |
| 19546755 | Super Hits Vol. II | Various Artists | 5.89 |
| 19546765 | Super Hits Vol. III | Various Artists | 5.89 |
| 19546775 | Late Arain | Peter, Paul \& Mary | 5.89 |

SELECTED STEREO TAPE CASSETTES (Shpg. wr., 4 or.)

| Stock Mo. | Title | Artist | EACH | Stock No . | Title | Artist | EACH |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19546785 | Wichits Lineman | Glen Campbell | 5.19 | 19546885 | Greatest Hits Vol. 1 | Dean Martin | 5.19 |
| 1954679 S | By the Time I Get to Proenix | Glen Campbell | 5.19 | 19546895 | Greatest Hits | Frank Sinatro | 5.19 |
| 19546805 | Steppenwolf 2 nd | Steppenwolf | 5.19 | 19546905 | Greatest Hits | Templations | 5.19 |
| $\begin{array}{r} 19546815 \\ 9546825 \end{array}$ | Super Hits Vol. I | $V$ arious Artists | 5.19 | 19546915 | Whid Flowers | Judy Collins | 5.19 |
| $19546825$ | Greatest Hits | Association | 5.19 | 19546925 | Live at Talk of the Town | Supremes | 5.19 |
| 19546835 |  | Sergio Mendes | 5.19 | 19546935 | Promises Pramises | Dionne Warwick |  |
| 19546845 | Beat of The Brass | Tijuma Brass | 5.19 | 19546945 | Beggars Banquet | Rolling Stones | 5.19 |
| 19546855 | Brogie with | Canned Heat | 5.19 | 19546955 | Memories | Mantovani | 5.19 |
| 19546865 | Reafization Do You Know the Way to San Jose? | Johnny Rivers | 5.19 5.19 | 19546965 | Space Odyssey 2001 | Soundtrack | 5.89 |
| $19546875$ | Do You Know the Way to San Jose? | Baja Marimba | 5.19 | 19546975 | Beatles | The Beatles | 10.49 |

# Great Values in Car Stereo Tape Players 

## Automatic Radio Cassette Car Stereo Tape Player

\author{

- Flush Front <br> - Solid-State <br> - Compact <br>  <br> $\$ 5$
}

Was \$99.95. Madel ACS-6000. Enjoy the luxury of playing your own stereo selections wherever you drive. Player takes shirt-pocket-size pre-recorded cassettes. Flush-front panel has volume, tone, balance controls. Fast-forward and reverse controls allow you to choose exact selection desired. 8-watt power output provides virtually distortion-free reproduction at normal level. Built-in security device automatically locks in cartridge when ignition key is removed. With two $5^{\prime \prime}$ speakers. Response: $80-10,000 \mathrm{~Hz}$. $25 / 8 \times 6^{3} / 4 \times 7^{\prime \prime} .12$ VDC neg. gnd. Japan. 19 S 4116 RU . 10 lbs. 85 Monthly.... 84.95



> 8-Track Car Stereo Tape Player 95095
> - Compact Design
> - Two Automobile Speakers FREE!

\$5 monthly


Save $\$ 12.50$
Pair af aur best car speaker/chrome grille combinations FREE with RR-45T or RR-59


## Compact 4- and 8-Track Player



Separately, si2.45. Ranger RR-45T. Mini 8-track cartridge player gives you magnificent stereo sound in your car. Features 10 -watt solid-state stereo amplifier; balance control; dual-channel volume control; tone control; illuminated channel selector switch; automatic electronic channel transfer; fine-tuning control to eliminate crosstalk. Response : $50-10,000 \mathrm{~Hz}$. With mounting bracket. $3 \times 5 \times 67 / 8^{\circ}$. 12 VDC neg. gnd. With two $51_{4}$ " speakers and chrome grilles FREE! Shpg. wt., 13 lbs. Japan.
19 S 0066 L2X. 85 Monthly
59.95


## 8-Track Stereo Tape Player with FM Radio

$\begin{array}{cc}\begin{array}{c}\text { Save } \\ \$ 15.00\end{array} & \$ 11495\end{array} \begin{aligned} & \text { - } 25 \mathrm{~dB} \text { Stereo FM Chan- } \\ & \text { nell-Seporation } \\ & \text { - Channel Selector }\end{aligned}$
\$6 monthly

- Channel Selector

Was $\$ 129.95$. Gibbs CR-627. Combination solid-state 8track car stereo tape player with built-in stereo FM radio. 12-watt solid-state stereo amplifier, track indicator lights, manual channel selector. Volume, tone and balance controls. Stereo FM radio has illuminated slide-rule tuning dial, power and stereo indicator lights. Requires speakers. Response: $70-10,000 \mathrm{~Hz}$. With mtg, brkt. Size, $31 / 8 \times 83 / 4 \times 8^{\prime \prime}$. 12 VDC neg. gnd. Japan. Shpg. wt., 13 lbs. 1954057 RU. $\$ 6$ Monihly.

Separately. 99.45. Ranger RR-59. Small but mighty car tape player plays your favorite tape cartridges in fulldimensional stereo sound. Designed to take up little space, yet features powerful 20 -watt solid-state stereo amplifier! Fully automatic operation, illuminated channel indicator, fine-tuning control to eliminate crosstalk, thumbwheel volume controls. Response: $50-10,000 \mathrm{~Hz}$. Mounting bracket. Size, $3 \times 5 \times 678^{*} 12$ VDC neg. gnd. With two $51 /{ }^{*}$ speakers and chrome grilles FREE! 14 lbs. Japan.
19 S 0067 L2X. $\$ \hat{0}$ Monthly.
79.95


## Convertible Home/Gar Stereo Tape Player

FREE ! Five
Pre-Recorded $\$ 10995$ - Tapes include $\begin{gathered}\text { Today's Po }\end{gathered}$
Tape Cortridges
\$6 monthly
Recording Artists
Autamatic Rodio GES-8111. 4*/8-track car stereo tape player converts to home player (with AC adapter below). *Gidget adapter for 4-track tapes (included). Volume, tone. balance controls. Channel selector. $50-15,000 \mathrm{~Hz}$. With brkt., 4 speakers. 5 recorded tapes. $33 / 4 \times 8^{1 / 2} \times 8^{\prime \prime} .12$ VDC. 1950071 L2U. Shpg. wt., 13 lbs. $\$ 6$ Monthly. ...... 109.95 19 S 4250 R. 117 VAC Adopter. 4 lbs.
27.95

## New Values in Car Stereo Tape Players

Crown "Musicruiser" Compact Fully Automatic Car Stereo Tape Cassette Player


$\$ 5$ monthly

- Solid-State Circuir
- Stop-Eject Controls
- Key-Lock Mounling Brocket

Model CSC-1000. Styled to complement your car's interior-sleek-lined 10 -watt stereo tape cassette player provides superb stereo entertainment. Narrow-gap heads virtually eliminate distortion. Plays all tape cassettes automatically. Keyboard type function controls permit manual play, stop and eject operation. Fast-forward and rewind control lets you choose and change selections on tape. Volume, balance and tone eontrols. Under-dash bracket is equipped with key-lock for built-in security against theft. Response: $70-10,000 \mathrm{~Hz}$. With two $5^{\circ}$ speakers, grilles. 12 VDC neg. gnd. 8 lbs. Japan. 19 S 4604 U. sin Monthly.
99.95
$\$ 99^{95}$
$\$ 5$ monthly

> Stereo Cartridge Tape Players by CRAIG


## Craig 4- and 8-Track Deluxe Stereo Cartridge Player

Model 3104. Add stereo entertainment to your car. Fully automatic operation with powerful 22 -watt output. Plays all 8 -track and $1 / 2$-hour 4 -track cartridges in full stereo. Automatic program selector; program-indicator lights; cartridge ejector; volume, balance, and tone controls. Response: $50-10,000 \mathrm{~Hz}$. Order speakers from facing page With mtg. bracket. $27 / 8 \mathrm{x}$ $73 / 4 \times 91 / 2^{*}$. 12 VDC neg. gnd. 10 lbs. ios 4605 X . Japan.

## Graig 4- and 8-Track Stereo Cartridge Player

Model 3116. Compact, powerful $22-$ watt stereo tape cartridge player. Plays all 4-and 8-track cartridges in brilliant stereo. Function controls include convenient program button for changing tape selections, cartridge ejector, volume, balance, and tone controls. Response: $\mathbf{7 0 - 1 0 , 0 0 0} \mathrm{Hz}$. Order speakers from facing page. With mitg. bracket. $27 / 8 \times 7^{3} / 4 \times 101 / 2^{7}$. 12 VDC neg. gnd. Japan. 10 lbs. 19 S 4606 X. s5 Monthly..
89.95

## Craig 4- and 8-Track Tape Player with Stereo FM Radio

Model 3117. Stereo tape player and stereo $\mathbf{F M}$ radio offers magnificent mobile entertainment. 22-watt player features automatic operation and track selection. Stereo FM radio has AFC, slide-rule dial. $70-10,000 \mathrm{~Hz}$. Order speakers from facing page. $33 / 4 \times 73 / 4 \times 101 / 2^{\circ} .12$ VDC neg. gnd. $19 \$ 4607$ U. 10 lhs. Japan...... 139.95 Croig Model 3119 . B-Trock Ployer/ Stereo FM Rodio. As above, less 4 -track. 1954608 U. 10 lbs. \$6 Monthly 119.95

## Automatic Radio 4-* and 8-Track Stereo Tape Player and Stereo FM Radio

 tape cartridge player and stereo FM radio surrounds you in full stereo sound as you drive. Plays all 8-track tape cartridges, and any 4 track cartridge with ${ }^{*}$ Gidget (included). Fully automatic. 8 -watt player has illuminated indicator to show exact tape being played; control button to change tape selections. Slide-rule dial on stereo FM radio; volume, tone and balance controls. Response: $60-12,000 \mathrm{~Hz}$. Order speakers from facing page. Size: $21 / 2 \times 71 / 2 \times 7^{\circ} .12$ VDC neg.
gnd. Japan. 10 liss. 19 S 4601 U. 56 Monthly.

# Spring Specials! Equip Your Car with Stereo! 



## Automatic Radio 4*- and 8-Track Player

\$4995<br>$\$ 5$ monthly<br>- Solid-State Circuit<br>- 8-Watt Audio Output<br>- Automatic Chonnel Switching

Model SEL-9606. 8-watt stereo tape player plays all \&track cartridges and any 4-track cartridge with *Gidget adapter (included). Automatic channel control for changing tape selections; cartridge ejector; volume, tone, balance controls. Response: $70-12,000 \mathrm{~Hz}$. Order speakers, below. Mounting Bracket. Size: 3x51/2×7 . 12 VDC neg. gud. Shpg. wt., 10 lbs. Japan.
19 S 4609. \$5 Monthly..
49.95

Cut ${ }^{\$ 5.00}$


## ALIIED Car Stereo Reverb System $\$ 24^{95}$ <br> - Solid-State Circuit <br> - Adjustable Audio Delay <br> \$5 monthly <br> - $6^{\prime \prime}$ Speaker Included

Was \$29.95. Add the acoustical effect of reverberating concert-hall sound to your car stereo tape player or stereo FM radio. Mixes sound from each stereo channel and delays it through rear speaker. Infinite control selections. Mounts easily under dash. With $6^{\circ}$ speaker on $6 \times 9^{*}$ adapter board. $13 / 4 \times 8 \times 534^{\prime \prime}$. 12 VDC negative ground. Shpg. wt., 6 lbs .
19 S 4579 R. 85 Monthly.
24.95


## Automatic Radio 4*- and 8-Track Player

Was $\$ 79.95$. Model SCE-6804. Sensational price reduction! Hear your favorite music in superb stereo. Plays all $8-$ track cartridges and any 4-track cartridge with *Gidget adapter (included). Compact 8-watt player has thumbwheel controls, illuminated program indicators, program selector button. Response: $50-15,000 \mathrm{~Hz}$. Order speakers, below. Size: $3 \times 7 \times 8^{*} .12$ VDC neg. gnd. Shpg. wt., 10 lbs. Japan. 1954598 RX. 85 Monthly.
64.95

## Panasonic 8-Track Car Stereo Tape Player

Five-Cartridge Bonus famous artists' recordings-FREE! Model CX-807. Plays all 8-track cartridge tapes in magnificent stereo sound. Fully automatic operation; 8-watt solid-state amplifier; illuminated channel indicator. Automatic and manual program selector; volume, tone, balance controls. Response: $70-10,000 \mathrm{~Hz}$. Order speakers, below. Size $31 / 16 \times 81 / 4 \times 81 / 8^{\circ \prime} .12$ VDC neg. gnd. 18 lbs. Japan. $19 \mathrm{~S} 0068 \mathrm{L2U}$. 85 Monthly.


Low Profle Speaker Enclosures

## Save 15\%

## "Instant-Mount" Car Stereo Speakers

Was $\$ 7.95$ Pair. Highquality $51 / 4^{\prime \prime}$ speakers for use with car stereo systems. Low-profile enclosures mount anywhere. Deliver wide-range sound. Enclosures, $71 / 2 \times 71 / 2^{\prime \prime}$, tapered $3^{\prime}$ to $11 / 4^{\prime \prime}$. Wt., 4 lhes.
19 S 4259 RX. . .Per Pair 6.35

## Your $\$ 6^{75}$ Per CHoICE ${ }^{\$} \mathbf{b}^{75}$ Pair

## Deluxe Car Stereo Speakers \& Grilles

Was $\$ 7.98$ Pair. Deluxe car stereo speaker outfit. $5^{\prime \prime}$ speakers have 3 -oz. ceramic magnet. Mount easily in car doors. $4-8$ ohms impedance. With plastic grilles, mounting hardware. Shpg. wt., 3 lbs.
19 S 4120 R.... Per Poir 6.75


# SPRING SALE ON ALLIED TAPE! Save 10\% When You Buy 6 Reels 

1. Head-Cleaning Tape Spliced to End of Reel
2. Sensing Foil at Each End of Tape Actuates Recorder with Reverse Mechanism
3. Color-Coded Leader af Each End of Tape

$$
\left.\begin{array}{c}
\text { Low } \\
\text { As }
\end{array}\right\} 88 \begin{gathered}
\text { Each in } \\
\text { Lots of } 6 \\
\text { or More }
\end{gathered}
$$

- Deep Lubrication for Lowest Head Wear
- Special Miero-Polishing Cuts Abrasion to Minimum

Save when you buy six reels of Allied's best tape. Professional quality for optimum frequency response, finest recordings, and years of reliable use. Precision wound on $7^{\prime \prime}$ reel. Latest binder system with homogenized lubrication. Identifying red and green polyester leaders attached to each end. Ultra-thin bonded sensing foils actuate recorders equipped with automatic reverse. Head cleaning tape is spliced to one end. With book of silicone-impregnated tape
cleaning pads that extend tape and head life. $13 / 2$-mil acetate tape for general recording, 1 mil and $1 / 2$-mil polyester extra-strength tape.

| Stock No. | Foot | Bas* | Wt., Lbs. | Reg. | 6-UP, EACH |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 15S8269 R | 1275 | 11/2-mil Acetate |  | 2.09 | 1.88 |
| 1558270 R | 1875 | 1-mil Polyester | 1 | 3.19 | 2.87 |
| 1558271 R | 2475 | 1/2-mil Polyester | $11 / 2$ | 4.60 | 4.14 |



Save when you buy 6 or more reels! Continuous length, guaranteed splice-free. Deep-lubricated for minimum recorder head wear. Full frequency response with high signal-to-noise ratio. Moisture and heat resistant. Ideal for transcribing from pre-recorded tapes, records, tuners, and microphones. *Tensilized.

| Stoek No. | Reel Sire | Feet | Base | We., Lbe. | Reg. | $\begin{aligned} & \text { G-Up } \\ & \text { EACH } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1558740 R | 31/4* | 600 | 1/2-mil Polyester | 1/2 | . 89 | . 80 |
| 1558741 R | 5" | 900 | 1-mil Polyester | $3 / 4$ | 1.18 | 1.06 |
| 1558742 R | $7{ }^{\text {7 }}$ | 1200 | 11/2-mil Acetate | 1 | 1.49 | 1.34 |
| 15 S8743 R | 7" | 1800 | 1-mil Polyester | $11 / 4$ | 2.14 | 1.93 |
| 1558744 R | 7 | 2400 | 1/2-mi] Polyenter* | , | 3.49 | 3.14 |
| 1558745 R | 7" | 3600 | 1/1-mil Polyester* | 1 | 4.98 | 4.48 |



Save when you buy 6 or more reels of this good quality all-purpose tape. Extra-strong polyester or acetate. Special oxide formula helps to assure full-fidelity recording. Lubrication on tape reduces wear of expensive tape recorder heads. Uniform sensitivity throughout. Hightensile strength virtually eliminates tape breakage. Excellent for dictation, lectures, family, childrens voices, duplicating LP's, radio-TV broadcasts.

| Stock No. | Reel | Feot | Base | We., Lbs. | Reg. | $\begin{aligned} & \text { G-UP } \\ & E A C H \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1558275{ }^{\prime \prime}$ | 31/4' | 375 | 1-mil Acetate | 1/2 | . 69 | . 62 |
| 1558276 R | $5{ }^{\circ}$ | 900 | 1-mil Acetate | 1/4 | . 84 | . 76 |
| 15 S 8277 R | $7 *$ | 1200 | $11 / 2-\mathrm{mil}$ Acetate | $11 / 2$ | . 99 | . 89 |
| 15 S 8278 R | $7{ }^{\prime \prime}$ | 1800 | 1-mil Acetate | $11 / 2$ | 1.59 | 1.43 |
| 15S8279 R\| | J* | 2400. | $1 / 2-\mathrm{mil}$ Polyester | 12 | 2.99 | 2.69 |

## Allifed Tape Cassettes with FREE Bonus



Allied's tape cassettes meet the exacting demands of recording enthusiasts. The deep lubrication preserves tape life and protects tape recorder heads. Excellent frequency response and uniform output. Smooth playback and record operation. Strong polyester base resists temperature, humidity extremes. Cassette head cleaner free with morchase of 5 Allied cassettes.
15 S 8001 R. Type C-60. Records Up to $60 \mathrm{~min} .1 / 2 \mathrm{lb}$. 1-11.............Eoch 1.79 12-Up....... Eoch 1.61 15 S 8002 R. Type C -90 . Records Up to $90 \mathrm{~min} .3 / 4 \mathrm{lb}$. 1-11............... Each 2.69 12-Up....... Each 2.42 15 S 8003 R. Type C-120. Records Up to 120 min .1 lb . 1-11..............Each 3.65 12-Up....... Each 3.28

## Sensitive Scotch "Dynarange" Series Recording Tape

Sensitive tape lets you use slower speeds without fidelity loss. $15 \%$ longer life; low-noise; good hifrequency response; low rub-off. Superior signal/noise ratio. Ideal for transcribing from prerecorded tapes and records. Polyester, except *acetate. Av. shpg. wt., 1 lb .


| Stock No. | Type | Base | Feet | Reel | 1-11, EA. | 12-Up, EA. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1558535 月 | 201-6 | 11/2-mil* | 600 | 5 | 1.87 | 1.68 |
| 1558504 R | 201-12 | $11 / 2-m i l *$ | 1200 | 7" | 2.93 | 2.64 |
| 1558536 R | 2026 | $11 / 2$-mil | 600 | $5{ }^{\prime \prime}$ | 1.90 | 1.71 |
| $15 \$ 8537 \mathrm{R}$ | 202-12 | $11 / 2$-mil | 1200 | $7{ }^{*}$ | 3.40 | 3.06 |
| 15 S 8538 P | $203-9$ | $1-m i!$ | 900 | 5" | 2.83 | 2.55 |
| 1558505 R | 203-18 | 1-mit | 1800 | $7{ }^{\prime \prime}$ | 4.90 | 4.41 |

## Scotch Cassettes

For Allied 1100, 1150; Aiwa TP707, Ampex "Micro"'Series, Concord F100. Mercury TR800. Norelco 150, Wollensak 4100,4200 snd others. + Recording time, both directions. Wt., 3 oz .


| Stook No. | Type | Foer | +Minutes | 1-11, EA. | 12-UP, EA. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1558311 A |  |  |  |  |  |
| 15 58314 | 272 | 450 | 90 | 4.28 | 3.81 |

## 8-Track Blank Recording Tape Cariridges

- High Signal-to-Noise Ratio
- Extra-Strong Polyester Base
- Lubricoted to Cut Weor on Heads
- Dust-Resistant Plastic Magazine


Quality blank tape cartridges for 8-track cartridge recorders. Contain high-strength polyester tape. Uniform oxide costing for wide-response, high signal-tonoise ratio, outstanding recording results. Lubricated to reduce wear on tape recorder heads. Shpg. wt., 3 oz. Buy in Quantity and Save.

| Stock No. | Playing Time | EACH |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 1.5 | 6.11 | 12-Up |
| 15 S 8644 | 64 minutes | 1.98 | 1.79 | 1.49 |
| 1558645 | 32 minutes | 1.69 | 1.49 | 1.29 |

# BASF Extra-Strength Deluxe Recording Tape for Full-Range Sound 



- Luvitherm ${ }^{(8)}$ or Polyester
- Prestressed
- High Response
- Not Affected by Humidity
- No Rub-Off
- No Print-Thru
- Colored leoders
- Auto-Stop Foil
- High Strength


Packed in Plastic Library Box
Has Inner Box ond Index
High-quality tape features Luvitherm unplasticized polyvinyl chloride film or polyester base. Prestressed (tensilized) for exceptional strength and dimensional stability. Luvitherm types are unaffected by humidity and temperature variations, and are extremely supple for superior tape-tohead compliance. Excellent frequency response. Mirror finish-no drop outs, no rub off. No print through. Automatic stop switch foil. Colored leader tape on each end. Packaged in plastic library storage container.

$$
\text { I } 1 / 2 \text {-mil Luvitherm Tape (Standard Play) }
$$

| Stock No. | $\begin{aligned} & \text { Type } \\ & \text { No. } \\ & \hline \end{aligned}$ | Feer | Reel | Wt. | EACH |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1.10 | 11-Up |
| 1558816 | LGS-52 | 000 | $5{ }^{\circ}$ | 10 oz . | 1.79 | 1.59 |
| $15 \$ 8817$ | LGS 52 | 1200 | 7 | 1 lb . | 2.69 | 2.39 |


| $\begin{aligned} & 1558818 \\ & 1558819 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { LGS-35 } \\ & \text { LGS }-35 \end{aligned}$ | $\begin{array}{r} 900 \\ 1810 \\ \hline \end{array}$ | $5$ | $\begin{array}{r} 9 \mathrm{oz} \\ 18 \mathrm{oz} . \end{array}$ | $\begin{aligned} & 2.39 \\ & 3.89 \end{aligned}$ | $\begin{array}{r} 2.09 \\ 3.49 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |


| 1558820 | LGS-26 | 300 | $3^{\circ}$ | 3 oz . | 1.09 | . 89 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1558821 | LGS-26 | 1200 | $5{ }^{\circ}$ | 10 oz . | 3.49 | 3.09 |
| 1558822 | LGS-26 | 2400 | 7 | 18 oz . | 5.59 | 4.99 |

1-mil Polyester Tape (Double Play)

| $1558823\|\operatorname{PES} 35\| 1800 \mid$ |
| :--- |

$1 / 2 \cdot$ mil Polyester Tape (Triple Play)

| 1558824 | PES-18 | 1800 | $5^{\circ}$ | 10 oz | 5.49 | 4.89 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1558840 | PES-18 | 3600 | $7^{\circ}$ | 19 oz. | 8.49 | 7.49 |

## BASF Luvitherm-Base Casseftes

Standard library-box cassettes with Luvitherm tape for extra strength, full response, high signal-noise ratio. In plastic container.

| StookNo. | Typo No. | Time | $\begin{gathered} \text { Wt., } \\ \mathbf{O r}_{\mathbf{x}} \end{gathered}$ | EACH |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1-12 | 13-Up |
| 1558841 | C. 60 | 60 minutes | 4 | 2.21 | 1.85 |
| $15 \$ 8842$ | C-90 | 90 minutes | 4 | 3.64 | 3.05 |
| $15 \$ 8843$ | C-120 | 120 minutes | 5 | 4.48 | 3.75 |

## 8-Track Stereo Tape Cartridge Equipment

Handsome
Woinut Case

Viking 8 -Track Stereo Tape
artridge Record/Playback Deck $\$ 5995$
Model 8IIR. Solid-state deck records and plays 8 -track stereo cartridges at $33 / 4$ ips through your system or console. Has pushbutton or automatic track selection, stereo headphone jack, level meter: record gain for each channel. balance and tone controls. Logic circuit for continuous play or automatic stop. Response: $40-15,000 \mathrm{~Hz}$. Flutter and Wow: $0.3 \%$. Signal-to-Noise Ratio: $50 \mathrm{~dB} .41 / 2 \times 15 \times 11^{\prime}$. Leas mikes. For 117 VAC. Shpg. wt., 25 lis. 15\$7440 U. \$8 Monthly.
159.95


## 8-Track Stereo Tape Cartridge System with Speakers

## $\$ 89^{95}$

Model 8400. Budget-cost system plays cartridges at $3 \frac{3}{4}$ ips. Silicon transistors, headphone jack, push-button or automatic track selection, lighted track indicators. Volume, balance and tone controls. Speaker systems have 4" woofer and $3^{\prime \prime}$ midrange/tweeter. Deck, $41 / 4 \times 91 / 2 \times 10^{\prime \prime}$. Systems, $9 \times 6 \times 5{ }^{\prime \prime}$. Walnut. $110-120$ VAC. Japan. 20 lbs. 1557004 X. 85 MmLhly. ............................... 89.95

## Sony 8-Track Stereo Tape Cartridge Record/Playback Deck <br> $\$ 129^{50}$

Model TC-8. Feature-packed solid-state deck records and plays 8 -track stereo cartridges at $3 \frac{3}{4}$ ips through your music systerm or console. Also plays pre-recorded 8-track cartridges. Has stereo headphone jack, level meters, automatic shutoff and visual channel indicator. Frequency response: $40-12,000 \mathrm{~Hz}$. Flutter and Wow: under $0.17 \%$. Less mikes. $81 / 2 \times 12 \times 41^{\prime \prime}$. For $117 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$. From Japan. Shpg. wt., 11 lbs .
15S7047 RU. \&7 Monthly. .
129.50


Model BllW. Solid-state system plays cartridges at $33 / 4$ ips. Pushbutton or automatic track selection, tone and volume controls, headphone jack, 10 -watt-IHF stereo amplifier. Speaker systems have $51 / 4^{\circ}$ high-compliance speakers. $40-15.000 \mathrm{~Hz}$. Flutter/Wow: $0.3 \%$. Walnut. Deck, $41 / 2 \times 15 \times 11^{*}$. Speakers, $71 / 2 \times 11 \times 3^{*} .117$ VAC. 301 bs. $15 \$ 7150 \mathrm{U}$. s\% Monthly.
139.95


## Viking Eight-Track Stereo Tape Cartridge Playback Deck

High-Fidelity Solid-State Cartridge Deck
$\$ 89^{95}$

Model 811. Attractive table-top unit has highfidelity playback preamp for playing pre-recorded 8 -track cartridges through your music system or console. Has pushbutton or automatic track selection, numerical track indicators, headphone jack, Response: $40-15,000 \mathrm{~Hz}$. Flutter and Wow: $0.3 \%$. Signal-to-noise ratio: 50 dB . Output: $0.75 \%$ low impedance. $41 / 2 \times 15 \times 11^{*}$. $110-120$ VAC. Shpg. wt., 20 lbs. 15 S7441 X. 85 Monthly...
89.95

## Save s20.00 on Our Best Allien Battery/AC Tape Cassette Recorder

## Solid-State Recorder Operates Anywhere Using Handy Cassettes

Now $\$ 9.95 \$ 5$ Only \(\$ 0.92 \begin{gathered}\$ 5<br>monthly\end{gathered}\)

- Easy Pop-Up Cassette Loading and Removal
- Switchable Automatic Level Control
- Wide 200-11,000 Hz Frequency Response
- Powerful 1 $1 / 4$-Watt Music Power Output

Model 1150. Was 889.9. Tape it now-tape it the easy way with the Allied 1150, and save $\$ 20.00$, too. Solid-state portable battery/AC cassette recorder runs on six "C" batteries or 120 VAC. Records and plays up to two hours, monophonically, on standard tape cassettes. Snap-in cassette loading and pop-up removal make clumsy tape handling a thing of the past. Delivers $1 \frac{1}{4}$ watts music power with wide-range frequency response of $200-11,000 \mathrm{~Hz}$.
Five pushbuttons for stop-open, rewind, fast forward, play, pause. Also has tone control, monitor switch, battery/level meter, and auxiliary input for recording from radio-phonoTV. With built-in AC power supply, remote stopstart dynamic mike, C-60 (1-hr.) cassette, leatherette carrying case, and shoulder strap. Order batteries below. Size, $93 / 8 \times 6 \times 25 / 8{ }^{\prime \prime}$. From Japan. Shpg. wt., 5 lbs.
15 S 7116 RX. $\$ 5$ Monthly ................. 69.95
18 S 5078 R. "C" Batteries. 4 oz.... Pkg. of $2 / 33$

## ALLIED 1100 Low-Cost Cassette Recorder with Snap-On AC Adapter

Repeat of Sale ${ }^{8} 39^{95}$

- Convenient Keyboard Pushbutton Controls
- Tape Cassettes Snap In and Out Easily
- Precision Battery/Record Level Meter
- With Stylish Vinyl Portable Carrying Case

[^5]

## (A) Roberts 3-Head Stereo Tape Deck and Bonus

- Silicon-Transistor Circuit
- Monitoring - Sound-on-Sound

Model 450. Separately, \$215.70. Deck plus Allied 4525 mike outfit for only $\$ 10.00$ more. Three heads permit monitoring and sound-on-sound. Records, plays through stereo system or console. Digital counter, automatic shutoff, pause control, recording meters, stereo headphone jack. $71 / 2$, $33 / 4,17 / 8$ ips. $50-15,000 \mathrm{~Hz}$ at $71 / 2 \mathrm{ips}$. Wow and flutter: $0.2 \%$ at $71 / 2 \mathrm{ips}$. With wood case, $7^{\circ}$ takeup reel. 2 mikes and case. $117 / 8 \times 153 / 4 \times 512^{\circ}$. 100250 V, $50-60 \mathrm{~Hz}$ AC. Japan. 29 ibs. 15 S 0161 L2U. \$10 Monthly. .. 189.95 15 S 7032 RU. Deck Alone. 26 lbs. 179.95

## B Roberts Stereo Tape Recorder and Bonus

## - Electrical Speed Switching <br> - Handsome Walnut Wood Case

Model 1725 WII. Separately, $\$ 208.95$ Recorder plus Allied H876 Stereo Headphones for only $\$ 1$ more than the 1725 alone. Automatic shutoff, pause control, 2 recording meters, 2 buit-in $5 \times 7^{*}$ wide-range speakers. $71 / 2$. $33 / 4,17 / 8 \mathrm{ips}$. Operates vertically or horizontally. Deluxe tube-type circuit delivers flawless stereo. Response: $40-$ $18,000 \mathrm{~Hz}$ at $71 / 2$ ips. Wow and flutter: $0.2 \%$ at $71 / 2$ ips. With 2 mikes, $7^{\prime \prime}$ takeup reel, and Headphones. $131 / 4 \times 71 / 2 \times 13^{3} \%^{\circ}$. For $115 \mathrm{~V}, 50-60 \mathrm{~Hz}$ AC. Japan. Wt., 3514 lbs .
15 S 0160 L2U. $\$ 10$ Monthly ... 190.00 15 S 7379 U. 1725 Alone. 34 lbs. 189.00

## © Tandberg 4-Head Stereo Tape Deck and Bonus

Model 64 X . Separately, $\$ 646.95$. Superb tube-type deck plus Allied H885 Stereo Headphones and Allied 3310 Directional Mike Outfit with desk stands and case as a free bonus. Record, play, bias, erase heads. Monitoring, sound-on-sound. Automatic shutoff, dual eletronic eyes, hysteresissynchronous motor. $71 / 2,3 \frac{3}{4}$, and $17 /$ ips. Response: $20-25,000 \mathrm{~Hz}$ at $71 \%$ ips. Wow and flutter: $0.15 \%$ at 71,2 ips. Teak case, $153 / 8 \times 115 / 8 \times 65 / 8^{\prime \prime}$. $7^{2}$ takeup reel, Sterco headphones and mike ondfú bonus. 117 VAC. Norway Shpg. wt., 31 lbs.
15 S 0162 L3U. $\$ 23$ Mouthly . . . 549.00

## [ New Tandberg Deluxe

## Stereo Recorder and Bonus

Model 1241 X. Separately, s582.35. For tape connoisseurs! Solid-state stereo recorder plus Allied H885 Stereo Headphones and Allied 3310 Mike Outfit as a free bonus. Directional inike set includes stands and case. Erase, record/playback, and bias heads for extended response. Synchronous motor assures low wow and flutier, $0.10 \%$ @ $71 / 2$ ips. $71 / 2,33 / 4$, and $17 / 8$ ips. Response: $20-25,000 \mathrm{~Hz}$ @ $71 / 2 \mathrm{ips}$. $153 / 8 \times 11^{13} / 6_{6} \times 6{ }^{3} 4^{\prime \prime}$. With $7^{\prime \prime}$ takeup reel. Headphones and Mike Outfit bonus. Norway. 115 VAC. Wt., 31 lbs.
15 S 0163 L3U. \&21 Monihly.
485.00

## Teac Stereo Deck with Deluxe Extras



NEW

## Teac Stereo Tape Decks Feature

- 3 Motors for Faster and Smoother Tape Handling - Professional Hysteresis Synchronous Motor
- Separate Record and Playback Preamplifiers
- Tape Monitoring Facility
- 100 kHz Bias for Beat-Free Stereo FM Recording
- Stereo Headphone Jack
- Walnut Wood Case


## $\$ 299^{50}$

$\$ 1.5$ monthly

- Pushbutton-Controlled for Easy Operation
- Double Protection Against Accidental Erasure
- Stainless Steel Panel for Everlasting Beauty

Model A-1200. Teac's lowest priced model offers the same exceptional quality of their more expensive models. 4-track stereo deck features separate solid-state record and playback preamplifiers, pushbutton operation, hys-teresis-synchronous capstan drive, 2 eddy current reel motors, 3 heads for monitoring and special effects, automatic shutoff, digital counter, two level meters, electrically switched speeds ( $71 / 2$ and $33 / 4 \mathrm{ips}$ ). Response: $30-20,000$ Hz @ $71 / 2 \mathrm{ips}$. Wow and flutter: $0.12 \%$ © $71 / 2 \mathrm{ips}$. Walnut case, $17 \times 15 \frac{1}{2} \mathrm{x}$ $93 / 4^{\prime \prime} .110-115$ VAC. Japan. Wt., 46 lbs.
15S 7450 Z. \$16 Monthly.
299.50


## Superb Teac Stereo Deck with Automatic Reverse

## $\$ 6650 \begin{aligned} & \text { - Plug.in Heads } \\ & -31 / 2^{\nu} \text { VU Meters }\end{aligned}$

Model A-6010. Professional-quality automatic reversing stereo deck features silicon-transistor separate record and playback preamps. Records in one direction; plays in either. Hysteresis-synchronous motor assures low wow and futter, $0.08 \%$ @ $71 / 2 \mathrm{ips}$. Also has tape tension switch, automatic shutoff, large VU meters, digital counter. Independent mike and line inputs provide more versatile mixing facilities. Response: $30-20,000 \mathrm{~Hz}$ (a) $71 / 2 \mathrm{ips}$. Signal-to-noise ratio: 55 dB . Walnut case, $20^{7} / 8 \times 17^{1 / 2} \times 8 \frac{1}{4} 4^{\prime \prime} .110-115 \mathrm{VAC}$. Froin Japan. Shpy, wt., 52 lbs 15 S7453 Z. \$28 Monthly. .... 664.50


## Deluxe Teac Stereo Deck with Automatic Reverse

$\$ 469^{50}$

- Headphone Jack - $31 / 2^{\prime \prime}$ VU Meters

Model A-4010 S. Precision-made 4track stolid-state stereo tape deck records in one direction-plays in either. Features electrically switched speeds ( $71 / 2$ and $33 / 4 \mathrm{ips}$ ), tape tension switch, automatic shutoff, digital counter, oversize VU meters, and hysteresis-synchronous motor capstan drive. Four premium heads plus 100 kHz bias deliver flawless stereo recordings. Response: $30-$ $20,000 \mathrm{~Hz}$ @ $71 / 2 \mathrm{ips}$. Wow and flutter: $0.12 \%$ (14) $7 \frac{1}{2} \mathrm{ips}$. Wood case, $171 / 4 \times 171 / 2 \times 93 / 4$. For $100-115$ VAC. From Japan. Shpg wt., 48 lbs . 15 S 7087 Z. 820 Monthly. .... 469.50

ALLIED
117

(D)

New!
$\$ \mathbf{5 S}$ montly


## (A) Concord Battery/AC 31/4" Reel Recorder/AM Radio

Model F-90. Was 859.50 . Exciting value! Concord's solid-state "Radiocorder" combines recorder with deluxe AM radio. Record your programs on tape as you listen. Radio and recorder may be used separately or together. $17 / 8$ and $33 / 4$ ips. Monophonic. Pushbutton controls. $33 /^{\circ}$ reels. Level/ battery meter. $4 \times 81 / 2 \times 9^{7}$. With remote control mike, 5 " C " batteries. Plays on batteries or AC. Japan. Wt., 7 lbs. $15 \$ 7022 \times$. $\$ 5$ Monthly. . . .... 39.50

## Save s 30.00

## $\$ 69^{50}$

$\$ 5$ monthly

## B Concord Battery/AC Casseffe Tape Recorder

Model F-50. Solid-state with automatic level control, electronically regulated speed, single-knob control, large speaker. Uses tape cassettes for up to 2 -hour recording time. Monophonic. Flux-field heads. $83 / 4 \times 9 \times 4^{4}$. With inike, C-60 tape cassette, carrying case, shoulder strap. Operates on 6 "C" batteries (order below) or AC. Japan. Wt., 43/2 lbs.
15 S 7023 X. 55 Monthly
39.50

18 S 5078 R. Batteries. 10 oz. .....2/334

## [D Concord Battery/AC Deluxe Cassette Recorder

Model F-98. Dual power monophonic cassette recorder. Pushbutton transport, servo motor electronic speed control, autornatic level control, acoustically matched speaker. Level meter, tone control, tape counter, monitor. $12 \times 9 \times 41 / 2^{\prime \prime}$. With remote mike and stand, and cassette. Operates on 6 "C" batteries (order below) or 117 VAC. From Japan. Shpg. wt., 5 lbs.
15 S 7021 X. 85 Monthly... ..... 69.50 1855078 R. Batteries. 10 oz. . . . . 2/33 ${ }^{\text {d }}$

## (E) Concord Teak-Cabinet Stereo Tape Cassetfe Deck

Model F-105. Was $\mathbf{3} 99.50$. For use with home stereo music system. Play prerecorded tapes, make your own tapes. Records and plays 4-track stereo at $17 / 8 \mathrm{ips}$. Solid-state circuit. $50-10,000$ Hz response. Capstan drive. Two recording level meters. Cuing device. Cassette ejector. Inputs: 2 mike, 2 aux. Outputs: 2 preamp, headphones. Solid teak cabinet with dust cover. $3 \times 91 / 2 \times 8 \frac{1}{2} .117$ VAC. Japan. 5 lbs. 15 S 7523 RX . F 5 Monihly.
69.50


## (6) Concord Battery/AC Stereo Cassetfe Recorder

Model F-400. Deluxe portable tapes stereo or mono on handy cassettes. Switch-controlled automatic level control. Pushbutton operation, tape counter, level meters. Built-in speakers, has outputs for auxiliary speakers, plus preamp output. 8-watt stereo amplifier. $93 / 4 \times 12^{3} / 8 \times 3 \frac{8}{4}$. With remote mike, one blank cassette, 6 batteries. Operates on batteries or 117 VAC. Japan. 12 lbs. 15 S 7322 RU. \&T Monthly... \&.... 139.50

## E Concord Extra-Compact Cassette Tape Recorder

Model F-101. A small wonder! Features automatic level coutrol for top-quality monophonic recordings. One-hand op-eration-you can even record with mike in its case-side pouch. Integrated circuits, flux-field heads, servo speed control. $41 / 2 \times 67 / 8 \times 2^{\prime \prime}$. With mike, case, shoulder strap, earphone, cassette. Order 4 "AA" batteries below. From Japan. Shpg. wt., 3 lbs.
I5 S 7497 X. \&5 Monthly. . . . . . . 99.50 IB S 5083 R. Botteries. 10 oz. .... 2/27


## $\$ 160^{50}$

## Save ${ }^{3} 9.74$

Stereo Cassette Recorder/FM-AM Radio

Crown CSC-9350. Separately, 8170.24 . Solid-state battery/ AC portable includes stereo FM-AM receiver, stereo cassette tape recorder, and detachable speakers. You can record AM and stereo or mono FM, make "live" recordings from mikes, or listen to the radio alone. Pushbutton operation, tone control, level meters. AFC. Aus. input, preamp output, headyhone jack. $121 / 2 \times 4 \times 17 \frac{1}{2}{ }^{\mu}$. With mikes, batteries, plus bonus of six cassettes. Japan.
15 S 0164 L2U. Wt., 14 liss. $\$ 9$ Monthly....
15 S 7530 RU. Without Cosseffe Bonus. 11 lbs.
159.50


Model CTA-4100. Automatic telephone answering and mes-sage-taking, at a budget price! Voice induction device automatically answers phone, delivers your pre-recorded message on endless-loop tape cartridge. Records caller's message, using any standard tape recorder with remotecontrol facilities. Wood-grain steel cabinet, $33 / 8 \times 81 / 2 \times 107 / 16^{\prime \prime}$. With microphone. $117 \mathrm{~V}, 50 / 60 \mathrm{~Hz}$ AC. Japan. 15 57527 U. Shpg. wt., 7 lbs. $\$ 6$ Monthly.

Crown Stereo Cassette Recorder/FM-AM Radio

$$
\$ 10095 \begin{gathered}
\$ 10 \\
\text { monthly }
\end{gathered}
$$

Model SHC-44. Stereo cassette tape recorder, stereo FM-AM tuner, and two speakers, all in handsome walnutgrain cabinets. Speakers separate for full stereo realism. Solid-state 7 -watt stereo amplifier. Recorder takes easyloading tape cassettes, features pianokey pushbutton controls.
Tuner has slide-rule dial, stereo indicator light, distant/local switch, tone control. 100-10,000 Hz. Recorder, $31 / 2$ x $131 / 4 \times 9^{\prime \prime}$; tuner, $31 / 4 \times 4 \frac{1}{4} \times 9^{\prime \prime}$; speak ers, $13 \times 88 /<x^{1} / 4^{\prime \prime}$. With 2 mikes. Operates on 6 " $D$ " batteries (order below) or AC. 8 lbs. Japan.
15 S 7513 U. 10 Monthly. . . . . 199.95
18 S 5779 R. Bafteries. 10 oz. . . . . $2 / 33 \nmid$

Recorder/ Player

## Save ${ }^{\text {s }} 20.00$

## Player Alone $\$ 1995$

## Crown Cassette Recorder with AC Adapter

Model CTR-9000. Was $\$ 59.95$. Solid-state monophonic recorder at sale savings. Tapes up to two hours on pop-in cassettes. Operates on batteries or from AC adapter included. Pushbutton controls; constant-speed capstan drive; tone control; record level meter. $23 / 8 \times 43 / 4 \times 89 / 16^{\prime \prime}$. With batteries. remote mike, earphone, cassette, patch cord, case, AC adapter. From Japan.
15 S 0084 L2X. Shpg. wt., 5 lhs. 85 Monthly.
39.95

CTP-9500 Player. Above, playback only, no AC adapter.
15 S 7310 S. Shpg. wt., $31 / 2$ lbs. If Monthly.
19.95

- Answers Phone and Delivers Your Message
- Records Caller's Message for Playback
$\$ 199^{95}$
$\$ 10$ monthly


Built-In Cassetfe Recorder

## Crown Telephone Answerer and Recorder

Mode! CTA-4400. Automatically answers phone, gives up to 30 -second message pre-recorded on endless-loop tape, also records caller's message on built-in cassette recorder for playback later. Voice-activated recorder usable separately. Uses standard cassettes. Installs in minutes, no re-wiring. Walnut cabinet, $35 / 16 \times 101 / 16 \times 1213 / 16$. With tape, cassette, built-in mike. For 117 VAC. Japan.
15 S 7541 RU. Shpg. wt., 9 lbs. 810 Monthly.


## Panasonic Solid-State Recorders and Deck



- Record Direct from FM-AMRadio or with Mike
- Wide $70-10,000 \mathrm{~Hz}$ Response


## $\$ 7995$

\$5 monthly

Model RQ-232. Get all the convenience of a cassette tape recorder, plus FM-AM radio. Use easv-loading cassettes to record directly from the FM-AM radio or from mike, or just listen to the radio. Record and play anywherehome or office, car, school, at parties. Automatic level control adjusts for over-loud sounds, gives you distortionfree recordings every time. Cassette pops up for easy change.
Monophonic constant-speed eapstan drive. Frequency response, $70-10,000 \mathrm{~Hz}$. Inputs: mike. auxiliary. Extension speaker output. Excellent performance in either vertical or horizontal position. Operates on 6 "C" batteries or AC. Includes dynamic microphone with remote start-stop switch, microphone stand, earvhone, prerecorded cassette, and batteries. Size $3 \times 91 / 2 \times 11^{\prime \prime}$. From Japan. Shpg. wt., 6 lbs.
15 S 7227 X. 85 Monthly.
79.95

## Three-Head Stereo Tape Deck

$\$ 9$ monthly


Model RS-768. Records and plays 4-track stereo and mono thru music system or console at $7 \frac{1}{2}, 33 / 4,17 / 8 \mathrm{ips}$. Sound-on-sound. Easy threading, automatic stop, level meters, counter, tape/source monitor. $30-21,000 \mathrm{~Hz}$ at $7 \frac{1}{2} \mathrm{ips}$. Inputs: 2 mikes, 2 aux. Outputs: 2 line, headphone. Wood cabinet, cover. $7^{*}$ takeup reel, reel holders, splicing tape, patch cords. 117 VAC. $14 \times 10^{1 / 2 \times 73} /^{\prime \prime}$. Japan.
15 S 7494 U. Shpg. wt., 23 lbs. $\$ 9$ Monthly.
179.95

## Cassette Recorder/ AM Radio

$\$ 5$ monthly
Model RQ-233S. Battery-powered monophonic model boasts pop-up cassette ejection, automatic level control, speaker monitor, capstan drive, fast forward and rewind. Response, $80-8000 \mathrm{~Hz}$. Records from the good-sounding AM radio, or mike. Mike and aux. inputs. Built-in speaker, extension speaker output. Remote-control mike, pre-recorded cassette, $6{ }^{\prime \prime} \mathrm{C}$ ' batteries. $3 \times 91 / 2 \times 11^{\prime}$. Japan. 15 S 7226 X. Shpg. wt., $5 \frac{1}{2}$ lbs. \$ 5 Monthly........ 49.95


Model RQ-209S. Monophonie recorder has pushbutton controls, pop-up cassette ejection, automatic recording level, capstan drive. Plays on 4 "C" batteries or AC. Fust forward and rewind. Response, $80-8000 \mathrm{~Hz}$, Built-in speaker. Mike and aux. inputs. Monitor output. With remote start-stop mike and stand, pre-recorded carsette, earphone, batteries. $2 \frac{3}{3} \times 51 / 2 \times 101 / 4$. Japan.
I5 S 7225 X. Shpg. wt., 3 Ibs. $\$ 6$ Monthly. .
39.95

## Battery Powered Cassetfe Tape Recorder $\$ 29^{95}$ $\$ 5$ monthly <br> - Cassette Ejector <br> - Automatic Level Control



Model RQ-204S. Super-value! Plays on batteries or optional AC adapter. One-lever operation, cassette ejector, battery/level meter. Built-in speaker, plus preamp output. Response, $80-8000 \mathrm{~Hz}$. $9 \times 10 \times 28 /^{\prime \prime}$. With remote start-stop mike, cassette, 6 "C" batteries. Japan.
15 S 7477 S. Shpg. wt., 5 libs. कठ Monthly........... 29.95


## High-Performance Recorders by Wollensak

## Stereo Recorder with Latest Features

Model 6300 . Records and plays stereo and mono at $71 / 2$. $38 / 4$, and $17 / 8 \mathrm{ips}$. Solid-state. Delivers 16 watts to detatchable speaker systems. Has two motors, electro-dynamic brakes, tone and pause controls, automatic shutoff, counter, stereo headphone jack, and level meters. Diecast aluminum chassis. Response: $40-20,000 \mathrm{~Hz}$ at $71 / 2$ ips. Flutter and wow: $0.15 \%$ at $71 / 2$ ips. With two mikes, takeup reel, $7^{\prime \prime}$ reel of tape. $141 / 2 \times 16 \frac{1}{2} \times 10^{1} / 2^{\prime} .115$ VAC. Shpg. wt., 35 lbs.
15 S 7580 U . f11 Monthly....

- Open-Front Threading - Two Precision Motors - Electro-Dynamic Braking - Automatic Shutoff


Model 6100 . Solid-state deck records and plays stereo or mono through your music system at $71 / 2,33 / 4$, and $1 \frac{1}{8}$ ips. Open-front threading, two motors, electro-dynamic brakes, tone and pause controls, automatic shutoff, counter, stereo headphone jack, level meters. Response: $40-20,000 \mathrm{~Hz}$ at $71 / 2$ ips. Flutter/wow: $0.15 \%$ at $71 / 2$ ips. Mike and preamp inputs. Line outputs. With 7 takeup reel. $13 \times 16 \times 5^{\circ} .115$ VAC. Shipg. wt., 23 lbs. 15 S 7582 U. \& 8 Monthly.
149.95


## New: Advanced-Design Solid-State Stereo Tape Cassefte Deck

Model 4700. Records and plays mono or stereo through your music system at $17 / 8$ ips. Features interlock controls to permit changing the function of the machine without stopping it. Has two level meters, digital counter, cassette ejector. Response: $\pm 3 \mathrm{~dB}, 60-12,000 \mathrm{~Hz}$. Wow and flutter: $0.25 \%$. Signal-to-noise ratio: better than 46 dB . Mike and phono inputs. Preamp output. With $60-$ minute cassette. $137 / 8 \times 91 / 4 \times 41 / 2^{\prime \prime} .115$ VAC. Wt., 13 lbs. is 57338 X. s8 Monihly.


Model 6200. Solid-state recorder has 16 -watt stereo amplifier and built-in speakers. Records and plays stereo or mono at $71 / 2,3 \frac{3}{4}$, and $17 / 8$ ips. Has two motors. electro-dynamic brakes, open-frout threading tone and pause controls, automatic shutoff, stereo headphone jack, and level meters. Response: $\mathbf{4 0 - 2 0 , 0 0 0 ~ H z ~ a t ~} 71 / 2$ ips. With two dynamic mikes, $7^{\prime \prime}$ reel of tape, takeup reel. Size, $13 \times 16 \times 5^{*}$. 115 VAC. Shpg. wt., 32 lbs. 15 S 7581 U. 810 Monthly
199.95


## Deluxe Solid-State

 Stereo Cassette Recorder
## $\$ 199^{95}$

Model 4800. Records and plays mono or stereo cassettes at $17 / 8 \mathrm{ips}$. Interlocked controls permit changing the function of the machiue without stopping it. Two level meters, counter, cassette ejector. Mike and phono inputs. Preamp output. Delivers 8 watts to two com-pression-loaded speaker systems. Response: 60-12,000. Recorder, $41 / 2 \times 13^{7} / 8 \times 91 / 4^{" \prime}$, speakers, $41 / 8 \times 131 / 2 \times 81 / 8^{"}$. 115 VAC. With 2 mikes, $60-\mathrm{min}$, cassette. Wt., 221 lbs . 15 S 7583 U. s10 Monthly..
199.95


## BELL \& HOWELL

## Portable Gassetfe Recorder

Model 294. Solid-state cassette tape recorder features keyboard controls. Record level/ battery condition meter. Mike and auxiliary inputs. With carrying case, shoulder strap, remote control mike, stand, earphone, patch cord, tape cassette. Order batteries below. $8 \times 41 / 2 \times 21 / 40$. Shpg. wt., 5 lbs.
$15 \$ 7036 \times$. $\$ 5$ Monthly.................. 49.95
18 S 5078 R. "C" Botteries. (Uses 5 ). 6 oz. 2/33k


BELL \& HOWELL Stereo Cassette Recorder System

## Model 3278. Solid-state recorder in walnut-

 finish cabinets. Play prerecorded tapes, or make your own tapes. Two $6^{\prime \prime}$ air-suspension speakers. Level controls, digital counter, level meter, pause control, balance control. With two mikes. $80-15,000 \mathrm{~Hz}$. Recorder. $61 / 2 \times 131 / 2 \mathrm{x}$ $10^{\prime \prime}$; speakers, $131 / 2 \times 10 \times 61 /{ }^{*}$ ". 115 VAC. 15 S 7038 U. Wt., 14 lbs. s 10 Mmthly. . 189.95

> AIWA Cassetfe Recorder/ FM Radio $\$ 69^{95}$

- Battery and AC
- Automatic Cassette Pop-Up, Shutoff

TPR-104. Cassette recorder and FM radio. Record direct from built-in radio, record from mike, or just listen to the radio. Pushbutton controls, monitor switch, tone control, antenna. For 4 "C" batteries $/ 115$ VAC. With remote start-stop mike, cassette, batteries, earphone. $101 / 4 \times 71 / 2 \times 31 /{ }^{* \prime}$.Japan.
15 S $716 \delta$ X. Wt., 5 lbs. $\$ 5$ Monthly. .
.69 .95

## Save! BELL \& HOWELL Tape Equipment

## (A) Aułomatic-Reversing Siereo Recorder

Model 2265. Was $\$ 314.95$. Solid-state 4-track recorder performs superbly in vertical or horizontal positions. Two built-in $8 x 4^{\prime \prime}$ speakers. Automatic reverse, reversible heads. Three-position cycle programmer permits selection for either standard play, autonatic reverse, or repeat. 5-position master tape control. Automatic tape lifters, shutoff, head depaussing. Pause control, level meters, digital counter. $7^{81 / 2,}$, $38 / 4,17 / 8{ }^{15} / 640-17,000 \mathrm{~Hz}$ at $71 / 2$ ips. Flutter/Wow: $09 \%$ at $71 / 2 \mathrm{ips}$. $1315 \times 152 / 28^{1} / /^{\prime \prime} 2$ mikes, $7^{\prime \prime}$ takeup reel. 117 VAC.
15 S 7029 RU. Shpg. wt., 25 lbs. s14 Monthly.
249.95

## (B) Automatic-Reversing Stereo Tape Deck

Model 2291. Was $\$ 3.99 .95$. Solid-state deck has reversing head assembly for identical record and playback in both directions. Three-position cycle control. Records and plays 4-track stereo or mono through your music system. Fully automatic tape threading. Shutoff, head degaussing, and tape lifters all automatic. Pause control. Dual record/playback level meters. $71 / 2,3^{3} / 4,17 / 8,15 / 5$ ips. Response. $40-$ $17,000 \mathrm{~Hz}$ at $71 / 2 \mathrm{ips}$. Mike, aux. inputs. $135 / 16^{2} \times 15^{11} 16^{\times} 81 / 22^{*}$. With case, $7^{\prime \prime}$ takeup reel. Less mikes. For 117 VAC .
15 S 7031 RU. Shpg. wt., 39 lbs. $\$ 14$ Monthly.
279.95

## (C) Deluxe Automatic-Reversing Stereo Recorder

Model 2295. Wus \$969.95. Loads in seconds as stream of air transports the tape across and attaches it onto the takeup reel. Automatic reverse, reversible heads. Master tape control directs 4-track playing both right and left, fust forward, reverse, stop. Automatic head degaussing, tape lifters, shutoff. Pause control, two V U meters, digital counter, sound-with-sound. Two built-in speakers. $71 / 2,33 / 4,17 / 8$, $15 / 16$ ips. $40-17,000 \mathrm{~Hz}$ at $\overline{1} / 2$ ips. Flutter/Wow: $09 \%$ at $7 \frac{1}{2}$ ips. $131 / 3 \times 152 / 3 \times 81 / 2^{\circ} \cdot 2$ mikes. 115 VAC.
15 S 7027 RU. Shpg. wt., 38 lbs. $\$ 16$. Monthly.
329.95

## Prices Slashed on AIWA Tape Recorders

## (D) Battery/AC 5" Recorder with ALC

Model TP-705. Was fi4.95. Monophonic portable tape recorder boasts Automatic Level Control to reduce fading and blasting. Capstan drive at $33 / 4$ or $17 / 8$ ips. Operates on battery or standard household current. Convenient pushbutton controls permit easy finger-tip recording. Recording/battery meter, tone control, and counter. With stop/start mike. earphone, $5^{\prime \prime}$ tape, takeup reel, batteries, AC cord. $35 / 8 \times 103 / 8 \times 12^{\prime \prime}$. From Japan. Shpg. wt., 12 lhs , 15 S 7272 RX. s 5 Monehly.
59.95

## (E) Lightweight Battery/AC 5" Recorder

Model TP-537. Wa* 879.95 . Easy-to-carry quality tape recorder records and plays two-track mono at $33 / 4$ and $17 / 8$ ips. Operates on batteries or 117 VAC. Features constant speed capstan drive, $4^{*}$ dynamic speaker, recording level meter. Mike and aux. inputs. Extension speaker jack. $5^{\prime \prime}$ reel capacity. With stop/start mike, $5^{\text {; }}$ reel tape, takeup reel, earphone, six "D" batteries, AC cord. Size, $111 / 2 \times 11 \times 41 /{ }^{\prime}$. From Japan. Shpg. wt., 6 lbs . 15 S 7469 RX. 85 Monthly.
59.95

## (5) Battery/AC Stereo Cassefte Recorder

Model TP-1004. Was $\$ 109.95$. Compact system records and plays 4track stereo or mono on handy cassettes. Pushbutton controls, level and tone controls for each channel. Two record level meters. Two $3 \times 5^{\prime \prime}$ speakers in matching enclosures. Handy accessory storage compartment. Records from mikes, radio/phono/TV. With 2 dynamic mikes (one remote start-stop), C-60 cassette. two earphones. For 115 VAC or batteries (included). Size, $123 / 4 \times 13 \times 31 / 2^{2}$. From Japzn. Shpg. wt., 9 lbs.
15 S 7162 RU. $\$ 5$ Monthly.
.99 .95

## (6) Low-Cost Portable Gassette Recorder with ALC

Model TP-736. Was \$39.95. Full-feature portable cassette recorder boasts Automatic Level Control to reduce fading and blasting. Records and plays mono at $17 / 8$ ips, using easy-loading. drop-in cassettes. Capstan drive. Four-position selector for forward, stop, rewind, fast-forward. Built-in $21 / 4^{\prime \prime}$ speaker. Solid-state circuit. Operates on 4 "C" batteries. With stop-start dynamic mike, batteries, earphone. $21 / 2 \times 5 \times 814^{\circ}$. Japan. Shpg. wt., $41 / 4 \mathrm{lbs}$.
15 S 7033 RU. $\$ 5$ Monthly.
34.95


# SONY Solid-State Reel and Cassette Recorders <br> <br> © Three-Speed Three-Head Stereo Deck 

 <br> <br> © Three-Speed Three-Head Stereo Deck}


## 4-Speed Battery/AC Recorder

## FOR PROFESSIONAL MONOPHONIC RECORDINGS

Model 800-B. Built-in electret-condensor microphone with integrated circuit amplifier for high sensitivity and sharp directivity; plus cardioid dynamic mike with remote start/stop. 3-position switch selects internal mike, external mike, or both. $71 / 2,33 / 4$, $17 / 8,15 / 16 \mathrm{ips}$. Vari-speed tuning, servo-control motor, level/battery meter. 2-position Souymatic record mode (voice or musie) plus manual. Record interlock, tone control, monitoring. $41 / 2 \times 121 / 4 \times 101 / 2^{\prime \prime}$. With batteries, $5^{n}$ takeup reel. 117 VAC. Japan. 15 S 7586 U. Wt., 15 lbs. $\$ 10$ Monthly.
199.50


## Stereo Cassette Recorders

Model 124-CS. Battery/AC stereo cassette recorder with built-in speaker plus two detachable wide-range speakers for true separation. Features convenient pushbutton operation; pop-up cassette ejector; Sonymatic recording control. Has record level/ battery indicator; separate tone and volume controls; balance control. PA capability. Microphone and auxiliary inputs; stereo speakers, headphone outputs. 4 -track stereo (compatible with 2-track mono) recording system at $17 / 8 \mathrm{ips}$. Response, $50-$ $10,000 \mathrm{~Hz} . \mathrm{S} / \mathrm{N}$ ratio, 45 dB or better. Flutter/wow, $0.28 \%$. Stereo mike, C-60 60-minute cassette. earphone, two patch cords, batteries, AC power cord, carrying case. $2^{11 / 16^{x} 6^{11} / 16^{2} 9^{25} / 2^{*} \text {. Japan. } 12 \text { lbs. }}$ 15 S 7589 U. 89 Monthly.
.175 .00
Model 124 Stereo Cassette Recorder. As above, with built-in speaker, stereo speaker outputs, but no detachable speakers. Shpg. wt., 5 lbs.
15 S 7590 U. $\$ 8$ Monthly.
149.50

Model 355. Solid-state preamps for record/playback of 4-track stereo and mono at $7 \frac{1}{2}, 3 \frac{3}{4}$, or $17 / 8$ ips. Erase, record, playback head arrangement permits direct monitoring, sound-on-sound, echo. Scrape flutter filter and non-magnetizing head circuit help eliminate tape modulation and hiss. Level meters, digital counter, automatic tape lifters. Retractable pinch rollers. Noise suppressor switch. $20-22,000 \mathrm{~Hz}$; flutter/wow, less than $0.09 \%$ at $71 / 2$ ips. Vertical, horizontal operation. $153 / 16 \times 7 / 16 \times 14^{\prime \prime}$. With walnut case, dust cover, $7^{* \prime}$ takeup reel. 117 VAC. Japan.
15 S 7567 RU. Shpg. wt., 26 lbs. \$10 Monthly.
199.50

## B Deluxe Three-Head Stereo Deck

Model 630-D. Records/plays 4-track stereo and mono at $71 / 2,33 / 4$ or $17 / 8$ ips. Features built-in switching for sound-on-sound and echo effects; non-magnetizing record head; scrape flutter filter. 4-digit tape counter, pause control with lock for easy editing. Tape/source monitor; professional VU meters. Slide controls for recording volume. Automatic tape lifters; retractomatic pinch rollers. Automatic shutoff. $20-22,000 \mathrm{~Hz}$; futter/wow, 0.097 at $71 / 2 \mathrm{ips}$. In handsome walnut case, $71 / 4 \times 16 \times 19^{\prime \prime}$. Dust cover. With 7 takeup reel, patch cords, reel caps. 117 VAC. Japan. 15 S 7584 U. Shpg. wt., 26 lbs. $\$ 14$ Monthly.
279.50

## © Deluxe Three-Head Stereo Recorder

Model 630. Professional-quality 4-track stereo and mono recording system. Three-head design for echo, sound-on-sound, direct monitoring. $71 / 2,33 / 2,17 / 8$ ips. Non-magnetizing record head, scrape flutter filter. 4 -digit tape counter; pause control with lock. Builtin, lid-integrated full-range stereo speakers are rated 40 watts dynamic power. Separate bass and treble tone controls; record interlock. P'A capability. Two stereo headphone jacks; left, right, stereo mode switch. $30-22,000 \mathrm{~Hz}$; flutter/wow, $0.09 \%$ at $71 / 2 \mathrm{ips}$.
 15 S 7585 U . Shpg. wt., $461 / 2$ lbs. $\$ 18$ Monthly.
. 379.50

## - XL-4 Quadradial-Sound Stereo Recorder

Model 540. 4-track stereo and mono recording system with extrahigh frequency XL-4 quadradial sound system rated at 20 watts dyuamic power. Speakers are built into the lids. $71 / 2,33 / 4,17 / 8$ ips. Built-in sound-on-sound, provision for sound-with-sound. Separate bass and treble controls; stereo headphone jack. Functional computer-style controls. Noise suppressor switch; record interlock; retractomatic pinch rollers; automatic shutoff. $30-$ $20,000 \mathrm{~Hz}$; flutter/wow, $0.09 \%$, at $71 / 2$ ips. Leather-grained case, $9{ }^{9} 5,16 \times 911 / 6 \times 157 / 6^{\prime \prime}$. Two mikes, $7^{*}$ reel. 115 VAC. Japan. 15 S 7240 U. Shpg. wt., 42 lbs. $\$ 15$ Monthly.
299.50

## [ Sonymatic Stereo Cassette Deck

Model TC-125. Connects easily to your present stereo system to provide complete cassette record and playback facilities. Records and plays 4-track stereo cassettes (compatible with 2-track mono) up to 120 minutes. Automatic level control prevents blasting, assures even volume while recording. Two mike, two aux. inputs; stereo headset outputs. Response, $50-10,000 \mathrm{~Hz}$. Flutter/wow, $0.2 \%$ at $17 / 8 \mathrm{ips}$. Convenient pop-up cassette ejector. Handsomely styled case, $33 / 8 \times 13 \times 73 / 8^{\circ}$. With C-60 60 -minute cassette, patch cord. For $110-130 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. From Japan.
15 S 7588 U. Shpg. wt., $71 / 2 \mathrm{lbs} . \$ 6$ Monthly.
109.50

## [7] "Easymatic" Stereo Cassette-Corder

Model 130. Has full cassette recording facilities, plus matching oiled walnut speakers with 15-watt dynamic power. Pop-up cassette ejector; speaker monitor switch; stereo balance, volume and tone controls. Pushbutton operation. Noise suppressor switch; record interlock. PA capability. Speaker monitor switch; stereo headphone jack. $17 / 8$ ips. $50-10,000 \mathrm{~Hz}$. Records, plays to two hours with C-120 cassette. Pause control, digital tape counter. $315 / 16 \times 135 / 16 \times 97 / 16^{"}$. With two speakers, "one-point" stereo mike, C-60 60-minute cassette, patch cord. 117 VAC. Japan.
15 S 7587 U. Shpg. wt., $91 / 2 \mathrm{lbs} . \$ 10$ Monthly.
. 199.50

(0) $\begin{gathered}\text { 3-Head Stereo } \\ \text { Tape System } \\ \$ 37950\end{gathered}$ Tape System

HEW
${ }^{(0)} \begin{gathered}\text { Solid-State } \\ \text { Stereo Recorder }\end{gathered} \$ 29950$

${ }_{\underset{\text { E }}{\text { Solid-State }}}^{\substack{\text { Sossette Deck }}} \$ 10950$


NEW
(1) 3-Piece Stereo $\$ 19950$

## Save s19.95 on Tape Recorder/Tuner Package



## ALLIED TR-1035 Stereo Recorder and Crown FM-300 Stereo FM Tuner

Save $\$ 19.95$ on this offer of Allied 1035 solid-state stereo recorder and Crown stereo FM tuner. Allied 1035 records and plays 4 -track stereo and mono. Two built-in widerange speakers. Separate volume controls for each channel, tone control. Record from mikes included or direct from FM tuner. Can be used as a deck. Instant stop, automatic tape lifters, counter, level meters, automatic shutoff Speaker on-off switch. $71 / 2,33 / 4,17 / 8$ ips. Inputs: 2 mike, 2 aux Outputs: preamp, 2 extension speakers, headphones.

40-15,000 Hz at $71 / 2 \mathrm{ips}$. Vinyl covered case, $12 \frac{1}{2} \times 153 / 4 \times$ $738^{*}$. With $7^{\prime \prime}$ takeup reel, 2 mikes, patch cords. For 117 V, 60 Hz AC. Solid-state FM tuner has stereo switching. indicator light, AFC. $23 / 8 \times 115 / 8 \times 4^{3} / 4^{n}$. Wood case. $117 / 220$ V, $50-60 \mathrm{~Hz} \mathrm{AC}$. Recorder, tuner from Japan. Shpg. wt., 37 lbs.
is S 0 i58 L2U. $\$ 10$ munthly. ......................... . . 189.95
15 S 7577 RU. Allied TR-1035 Alone. 32 libs............... 149.95
1352258 RU. Crown FM-300 Tuner Alone. 5 lbs
59.95

Model 1055. Was $\$ 09.95$. Solid-state portable records anywhere. Records and plays two-track mono at $33 / 4$ and $17 / 8$ ips. Keyboard-type pushbutton controls. Switchable automatic level control prevents overload distortion. Built-in $3 \times 6^{\prime \prime}$ speaker for wide-response sound and good music reproduction. Tone control. Speaker monitoring. Counter; fast forward; level meter Inputs: mike and aux. Outputs: ext. spkr., headphone. $114 / 591 / 2 \times 31 / 2^{\prime \prime}$. With remote start-stop dynamic mike, 6 "D" hatts., AC cord, patch cord. 5 " reel of tape, $5^{\text {" }}$ takeup reel. From Japan. Shpg. wt., 9 lbs. 15 S 0016 RX. $\$ 5$ Monthly

> Allifn $5^{\text {"*Reel }}$ Battery/AC Recorder


Model 1050. Records and plays two-track mono at $71 / 2$ and $33 / 4 \mathrm{ips}$. Solid-state amplifier delivers two watts peak output power to built-in $4 \times 6^{\prime \prime}$ wide-range speaker. Tone control. Line output for use as a deck, Automatic level control prevents distortion from over-load sounds. Recording level meter; speaker monitor switch; counter; pause/fast forward control. $50-12,000 \mathrm{~Hz}$. External speaker jack; reel locks; accessory compartment; carrying strap; dust cover. $131 / 2 \times 131 / 8 \times 3 / 8^{\prime \prime}$. With mike, $5^{\prime \prime}$ reel of tape, $5^{\prime \prime}$ takeup reel. splicing tape, patch cord for recording direct from radio or TV. For $110-120$ VAC. From Japan. Shpg. wt., 18 lbs.
IS S 7575 RU, 55 Monthly.

## Save on ALLIED Reversing Stereo Recorders



## AILIED Solid State Automatic-Reversing Stereo Tape Recorder

Model TR-1080. Price slashed $\$ 50.00$ on this automaticreversing recorder! Records and plays in both directions without reel turnover. Can be set for one complete play and shutoff, continuous replay; or automatic stop at any point. Wide-range speaker enclosures separate for stereo, form cover for recorder. Features sound-with-sound for special effects. Has preamp output so that recorder can also be used as a deck. Pause control with instant release, digital counter. Modern rocker switches and fast, positive-
acting solenoid operation. Volume control for each channel, bass and treble controls. Speaker on /off switch. Automatically equalized response at $71 / 2,33 / 4,17 / 8 \mathrm{ips}$. Automatic tape lifters. Level meters. Inputs: 2 mike, 2 aux. Outputs: preamp, 2 external speakers, headphones. $40-19,000 \mathrm{~Hz}$ at $71 / 2$ ips. Vinyl-covered case. $123 / 4 \times 191 / 8 \times 121 / 4^{\prime \prime}$. With $7^{\prime \prime}$ takeup reel, 2 mikes, patch cords, sensing tape. 110-120 V, 60 Hz AC. Japan.
$15 \$ 7579$ RU. Shpg. wt., 45 lbs. $\$ 15$ Monthly
.299 .95


## ALIIED Solid-State

 Reversing Stereo Tape Deck and Deluxe Mike Outfit BonusModel 10-1070. Separately, 312.80. Solid-state automatic-reversing tape deck, plus dynamic mike outfit. Records and plays in both directions without reel turnover. Has solid-state preamps for playback through music system or console, plus stereo headphone amplifier with volume control. Modes: one complete play and shutoff, continuous replay, or automatic stop at a predetermined point. Fast solenoid operation. Fold-down panel conceals recording interiocks and inputs. Automatically equalized at $71 / 2,33 / 4$, and $17 / 8 \mathrm{ips}$. Response: $30-$ $20,000 \mathrm{~Hz}$ @ $71 / 2$ ips. Four heads (two in each direction), sound-with-sound, level meters, digital counter. Inputs: 2 mike, 2 aux. Outputs: 2 line, headphones. Oiled walnut-veneer wood case. $125 / 8 \times 19 \times 71 / 2^{\prime \prime}$. With $7^{\prime \prime}$ takeup reel, patch cords, plus two 3310 mikes, stands, swivel mounts, $5^{\prime}$ cables, in beige plastic case, $13^{1 / 2} \times 11^{3} / 4 \times 2 \frac{1}{2} 2^{*} .117 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. From Japan. 15 S 0159 L2U. Shpg. wt., 41 lbs. $\$ 14$ Monthly..
269.95

Save ${ }^{\text {s }} 42.85$

Both for Model 3310 P CardioidDynamic Mike Outfil

## BUY NOW..LOWEST PRIGES EVER!



ALIIED TR- 1040 Stereo Tape Recorder

## Save ${ }^{3} 30.00$

## $\$ 149^{95}$

\$8 monthly

ALLIED TD- 1030 Stereo Tape Deck Save ${ }^{115.50}$
$\$ 1=50$
\$6 monthly

(B)

# Save ${ }^{5} 30.00$ on ALIIED Deluxe Solid-State Stereo Tape Recorder 

- Built-In Solid-State Stereo Amplifier
- Instant Stop Feature for Editing
- Portable Scuff-proof Vinyl Case
- Three-Speed Capstan Drive
- Detachable Stereo Speakers
- Volume and Tone Controls

Model IR-1040. Was $\$ 179.9 \overline{5}$. Cut $\$ 30.00$ to its lowest price ever! Now's the time to buy this feature-packed solid-state stereo tape recorder and enjoy outstanding stereo tape performance. Clean, uncluttered styling provides a handsome, modern appearance and simplicity of operation. Playback pre-recorded stereo tapes with amazing clarity and realism, or make your own 4-track stereo or monophonic tapes. Record from any radio, phonograph, or "live" using mikes included.
Has 10 -watt-peak solid-state stereo amplifier. Two detachable widerange speakers can be separated for full stereo realism. Speaker enclosures close to form cover of recorder for easy portability. Preamplifier outputs let you use recorder as a deck to play through your stereo sys tem for even greater fidelity. Stereo headphone jack lets you listen privately, without disturbing others.
Three-speed capstan drive. Convenient, easy-to-use single-knob function control includes instant-stop feature for editing. Recording controls and inputs are neatly concealed behind a fold-down panel. Separate volume and tone controls for each channel. Two large, professional type level meters assure you of quality recordings every time. Has highly accruate, push-to-reset digital counter Automatic tape lifters protect heads during rewind and fast forward

## SPECIFICATIONS

Speeds: $71 / 2,33 / 4,17 / 8$ ips. Inputs: 2 mike, 2 aux. Outputs: preamp, 2 extension speakers, headphone. Response: $40-16,000 \mathrm{~Hz}$ at $71 / 2 \mathrm{ips}$. Flutter and Wow : under $0.15 \%$ at $71 / 2 \mathrm{ips}$. Vinyl case. $135 / 8 \times 181 / 2 \times 97 / 8^{*}$. With 7-inch takeup reel, two microphones, patch cords. For 110-120 V, 60 Hz AC. From Japan. Shpg. wt., 34 lhs. 15 S 7104 RU. 88 Monthly.
149.95

## Save s15.50 on ALLIED Solid-State Stereo Tape Deck

- Built-In Stereo Headphone Amplifier
- Automatic Tape Lifters
- Smart Oiled Walnut Wood Veneer Cose
- Full Seven-Inch Reel Capacily
- Two Level Meters
- End-of-Tape Shutoff

Model TD-1030. Was $\$ 185.00$. First time ever offered at this low sale price! Allied's own high-quality solid-state stereo tape deck, including smart-looking oiled walnut wood veneer case. For superb music recording and reproduction, just plug it into vour high-fidelity component system or console. The serious music lover will be thoroughly delighted at the fine quality recording results.
The Allied TD-1030 deck features record and play preamplifiers for four-track stereo and monophonic play through your stereo system. If you don't wish to disturb others while listening to music. simply plug in stereo headphones and listen to music in your own private world-this deck has a built-in stereo headphone amplifier with its own volume control. Tailor music to your personal taste.
Boasts full frequency response for brillimit stereo. Has easy-to-use single-knob control, two level meters, recording ready light, and accurate, push-to-reset digital counter. Automatic tape lifters and end-ofreel shutoff. Operates in either a vertical or horizontal position. Inputs: two microphones; two auxiliary.

## SPECIFICATIONS

Speeds: $71 / 2,33 / 4$ and $17 / 8 \mathrm{ips}$. Response: $\pm 3 \mathrm{~dB}, 30-18,000 \mathrm{~Hz}$ at $71 / 2$ ips; $\pm 3 \mathrm{~dB}, 40-12,000 \mathrm{~Hz}$ at $33 / 1 \mathrm{ips}$. Flutter and Wow: less than $0.15 \%$ at $71 / 2 \mathrm{ips}, 0.25 \%$ at $33 / 4 \mathrm{ips} ; 0.45 \%$ at $17 / 8 \mathrm{ips}$. Signal-to-Noise Ratio: 50 dB . Harmonic Distortion: below $1 \%$. Equalization: NAB at $71 / 2 \mathrm{ips}$. Size: $151 / 2 \times 131 / 2 \times 63^{3} 4^{\prime \prime}$. With walnut wood veneer case, takeup reel, patch cord, splicing tape, and dust cover. For $117 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Japan. Shpg. wt., 23 lbs .
15 S 7103 RU. $\$ 0$ Monthly.

## FREE Stereo Tape Library with Either of These Ranger Car Stereo Tape Players



## Free Tapes

Save ${ }^{\text {s }} 17.67$

Choose any one of these 8track, 3-tape libraries-each worth $\$ 17.67$--free with purchase of either tope player on this page!


## (4) 4, 8-Track Stereo Tape Player

Modern stereo tape player fills your car with thrilling music. Plays all 4-and 8-track stereo tape cartridges, automatically. Powerful 20 -watt solid-state stereo amplifier. Non-protruding volume, tone and balance thumbwheel controls for safe, convenient use. Fine-tuning control assures full channel separation. Illuminated channel selector. Handsomely styled metal case mounts easily under dash. $27 / 8 \mathrm{x}$ $71 / 8 \times 8^{\prime \prime}$. With four $514^{"}$ round speakers, chrome grilles, mounting bracket plus your choice of any three-tape library listed at left, FREE. 12 VDC positive or negative ground. From Japan. 13 lbs. 19 S 0069 12X. si Momthly.
89.95

Also specify stock no. of one Tape library

## (B) 4, 8-Track Tape Player/FM Radio

Hear your favorite music anywhere, anytime on 4 - or 8 -track stereo tape cartridges. Enjoy clear monophonic FM, too (or stereo FM with optional adapter below). Solid-state 20 -watt stereo amplifier surrounds you with full, rich sound. Slide-rule FM tuning dial flips back when cartridge is inserted; automatic operation. Modern thumbwheel controls provide extra safety. Metal case mounts under dash. $27 / 8 x^{7} / 8 \times 8^{\prime \prime}$. With four $53 / 4^{\prime \prime}$ round speakers, chrome grilles, mounting bracket. Plus your choice of any three-tape library listed at left, FREE. 12 VDC neg. gnd. From J̌apan. Shpg. wt., 14 lbs. 19 S 0070 L2U. 87 Monthly.
129.95

Also specify stock no. of one Tape library
19 S 4434 R. Sterec FM Adapter for Above. Mounts on rear of tape player. 3 lbs.
29.95

## New s15 Price Cut on Allien 3-Piece Stereo FM-AM Radio

Was \$94.50. Model 2690. Lowest price ever! Solid-state radio delivers 20 watts total music power to two speaker systems, each with $61 / 2^{\prime \prime}$ woofer and $2^{\prime \prime}$ tweeter. Speakers separate up to 14'. Handsome walnut-finish wood cabinets.
Features lighted slide-rule dial, stereo indicator light, pushbuttons for power and AFC, volume, balance, ganged bass and treble controls. Five-position switch selects AM, FM, stereo FM, ceramic phono and aux. (tape). Has stereo headphone jack, recording outputs, built-in AM and FM antennas, provision for external AM and FM antennas. Receiver, $43 / 8 \times 163 / 8 \times 97 /{ }^{\prime \prime}$; speakers, $13 \times 81 / 4 \times 712^{\prime \prime \prime}$. Japan. 34 lbs. 10 S 4268 RU . $\$ 5$ Monthly. .... 79.50 10 S 4712 RX. BSR 4-Speed MiniChanger, Base, Dust Cover. Ceramic stereo cartridge, synthetic sapphire styli. England. 115 VAC. 8 lbs. 39.95 10 S 4703 RS. 45 -rpm Spindle. 6 oz. 1.95

Optional Mini-Changer has low-mass arm, automatic shutoff.
 $12 \times 8 \frac{1}{2}$ ".

## OUR MOST POPULAR RADIOS!

## Repeat Sale on 5-Band Battery/AC Portable

Allied 2671 . Solid-state radio tunes $540-1600 \mathrm{kHz}$ AM, $5-12 \mathrm{MHz} \mathrm{SW}, 88-$ 108 MHz FM, $108-135 \mathrm{MHz}$ Aviation Band, and 147-175 MHz Police/Public Service Band. Fine-tuning on SW, tone control, pushbutton dial light. AFC on FM. $3 \times 6^{\prime \prime}$ speaker. Built-in AM/SW antennas, telescoping VHFFM antenna. Motorola-type jack for external SW antenna. Leatherettecovered case, $73 / 8 \times 101 / 2 \times 3$ ". For 4 "C" batteries or 117 VAC. With earphone and batteries. Japan. Wt., 9 lbs. 10 S 4362 RX. $\$ 5$ Monthly ..... 49.50 11 S 1749 R. Deluxe Outdoor SW Antenna. For $1.8-30 \mathrm{MHz}$. With Motorolatype plug. Shpg. wt., 4 lbs.
7.95 11 S 1239 R. Economy SW Antenna Kit. $100^{\prime}$ wire, access. Wt., $21 / 2 \mathrm{lbs}$. . 2.39 10 S 4051 RS. Motorola-type Antenna Plug. For economy antenna. $1 \mathrm{oz} . .11 \mathrm{C}$ 18 S 5078 R. Extra "C" Batteries. Shpg. wt., 6 oz............ Pkg. of 2 for 33¢

allifd radio
100 N. Western Ave.,
Chicago, Illinois 60680

JC BOWEN
5014 PINE TRAIL
DURHAM NC 2770:


## With $\$ 9050$ Package

## Radio $\$ 8950$ Alone

## ALLIED ${ }^{8}$ 8-Band Battery/AC Radio and ${ }^{5} 1$ Bonus

 Tunes FM, AM, Marine, SW, VHF Police/Public Service and Aircraft BandsModel 2682. Separately, \$103. 5 . Musnificent 8 -band portable opens up a new world of listening eutertaimment to you. Tunes, FM, AM, 1.7-5 $\mathbf{~ M H z}$ marine, 5-12 and $12-24$ MHz sW, 29 50 and 147-176 MHz VIIF Police Public Service, and $107-136 \mathrm{MHz} \backslash \mathrm{HF}$ Aircraft bands. Operates on batteries or 117 VAC . Deluxe features include:
fine-tuning, squelch, AFC. noise lim iter, tone switch, tuning/battery meter, map/time chart in lid. Leatherete calse. $125 / 8 \times 95 / 8 \times 41 / 2^{\prime \prime}$. With batteries, earphone, plus Bonus Accessory Package. From Japan. Shpg. wt., 20 lbs See VHF Note on page 131
10 S 0141 L3U. $\$ 5$ Monthly


[^0]:    Scparately, 8510.25. Outstanding compor ent system delivers stunning stereo sound it a typically low Allied price. Features the Allied 335 32 -Watt Solid-State Stereo FM-AM Recerver with advanced FET frontend, tutomatic stereo/mono FMI switchingeircut, tape monitor, loudness contour, tuning meter, stereo indicator ligkt, and stereo headphone jack. With metal case; takes optional walnut waod case below.
    Deluxe Garrard SL75 3-Speed Automatie Turntable has Synchro-Liab motor, cuing, antiskate, and stylus forze adjustments. With Base. Pickering V15/AME-3 Stereo Cirtridge has .0003x.0009" elliptical diamond stylus and "Dustamatic" record leaning brush.
    Goodmans G-10 Walmut 3-Way Acoustic Susp ension Speaker Systems have $12^{\prime \prime}$ woofer, $6^{\prime \prime}$ midrange, and $3^{\prime} 2^{\prime \prime}$ tweeter With brilliance control. With cables, hi-fi booklet. Shpg. wt., 127 Iis.
    14 S 0199 D5Z. s17 Monthly

[^1]:    Separately, \$708.75. High-performance system features Sherwood S-7800 solid-state stereo receiver with FET's, "Micro-Circuits", muting, deluxe preanp, and mighty 140-watt IHF output. Takes optional case above. Garrard SL65 4-Speed Automatic Turntable has cuing, anti-skate. Synchro-Lah motor, Base and Dust Cover. Shure M93E Stereo Elliptical Cartridge. Argos TX-4 Walnut 3-Way Speaker Bystems have $12^{\prime \prime}$ Jensen woofer, $8^{\prime \prime}$ midrange, $31 / 2^{2}$ tweeter. Cables, hi-fi book. Shpg. wt., 107 lbs . 13 S 0909 D6Z. s21 Monthly.
    489.95

[^2]:    Save
    s4.55
    $\$ 17^{95}$
    ALLIEO 29

[^3]:    Assorted bakelite strips with 1 to 6 terminals each. $8 / 8^{\prime \prime}$ wide. Many electronic applications. For hobbyist or shop. Shpg. wt., 12 oz.
    24 S 9582 R. . . . . . . . Pkg. of 100 for $98 \not \subset$

[^4]:    21 S 4403 R. Limited Quantity.....................

[^5]:    Compact solid-state monophonic cassette recorder is perfect for the recordist on the go. Tape cassettes snap in and out easily. Records and plays up to two hours on standard cassettes. Operates on five "C" batteries or 120 VAC with convenient snap-on AC adapter. Recorder has cord storage compartment for use when adapter is not in use.
    Easy-to-use keyboard-type pushbutton controls with fast forward and reverse. Also has record interlock button, record level/battery condition meter, $31 / 2^{\prime \prime}$ speaker, extension speaker jack. With remote stopstart dynamic mike, snap-on AC adapter, C-60 (1-hour) tape cassette, batteries, earphone, and vinyl carrying case. Order extra batteries below. Only $12 \times 6 \times 4^{*}$. From Japan. Shpg. wt., 7 lbs.

    $$
    15 \text { S } 7138 \text { RX. s5 Monthly . . . . . . . . . . . . . . . . . . . . . } 39.95
    $$

