

SOUND EQUIPMENT

by **STROMBERG-CARLSON**

A DIVISION OF GENERAL DYNAMICS CORPORATION

SIGNET SOUND

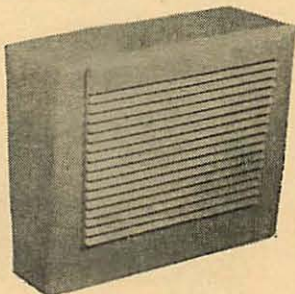
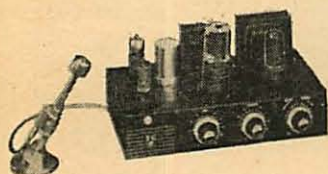
NEW, LOW-COST, COMPLETE . . . THE MOST FLEXIBLE

Signet Sound Systems are designed and engineered by Stromberg-Carlson to provide economical sound reinforcement for many simplified applications in business and industry. These systems are complete, ready-to-use packages that offer tremendous flexibility, easy installation, and excellent fidelity.

SIGNET COMPONENT ASSEMBLIES

A FEW OF THE MANY POSSIBLE SYSTEMS:

**SIGNET 10
ASSEMBLY**



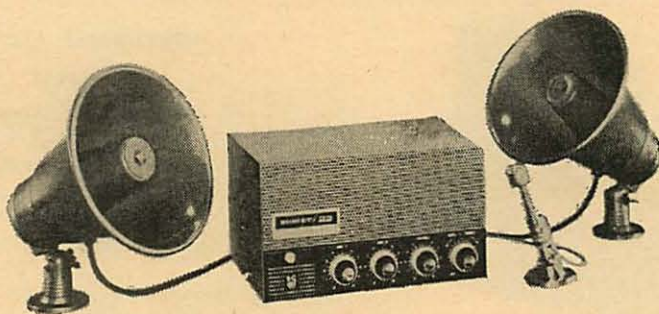
Budget-priced system for many applications. A few examples: restaurants, stores, meeting rooms, taverns, offices, warehouses. Unbeatable in its price range.

Typical Indoor System:

- Signet 10 Ten-Watt Amplifier. LIST PRICE: \$62.00
without top cover
- MCX-55 Crystal Microphone. LIST PRICE: \$15.95
- MS-42 Microphone Stand. LIST PRICE: \$6.50
- RH-28D Speaker Housing. LIST PRICE: \$10.00
- RC-27* 8" Speaker. LIST PRICE: \$10.00

* Four speakers may be used without line-matching transformers; up to 20 speakers with line-matching transformers.

**SIGNET 22
ASSEMBLY**



A perfect matching of high-quality components for any number of applications. A few of many possibilities include: freight docks, amusement parks, parking lots, gymnasiums, garages, bus terminals, railroad stations.

Typical Outdoor System:

- Signet 22 Twenty-two Watt Amplifier. LIST PRICE: \$87.50
- MCX-55 Crystal Microphone. LIST PRICE: \$15.95
- MS-42 Microphone Stand. LIST PRICE: \$6.50
- RS-14* Re-entrant Speakers with built-in driver units LIST PRICE: \$34.50

* Four speakers may be used without line-matching transformers; up to 40 speakers with line-matching transformers.

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**ELECTRONICS CENTER
ROCHESTER, N. Y.**

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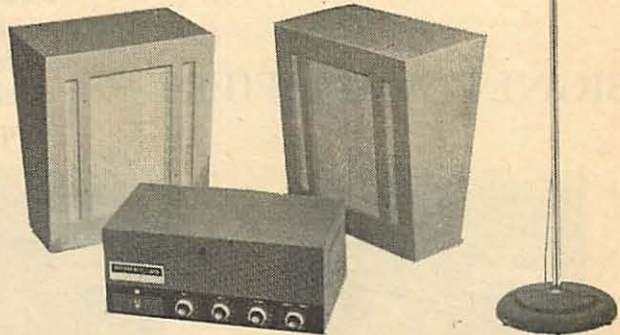
SIGNET 33 ASSEMBLY

Full fidelity performance, with superior audio reproduction. A few of many applications: industrial plants, hotels, motels, hospitals, auditoriums, Field Houses, Churches.

Typical Indoor System:

- Signet 33 Thirty-three Watt Amplifier. LIST PRICE: \$107.50
- MD-56 CS Dynamic Microphone. LIST PRICE: \$41.00
- MS-12 Floor Stand. LIST PRICE: \$13.50
- RH-54 Speaker Housings. LIST PRICE: \$22.00
- RC-58* 12" Speakers. LIST PRICE: \$14.00

* Four speakers may be used without line-matching transformers; up to 60 speakers with line-matching transformers.



SIGNET 70 ASSEMBLY

Practically unlimited applications, with power to spare for all situations. A few examples: stadiums, playgrounds, race tracks, athletic fields, schools, auditoriums, factories, airports.

Typical Outdoor System:

- Signet 70 Seventy-Watt Amplifier. LIST PRICE: \$168.00
- MD-30C Dynamic Microphone. LIST PRICE: \$60.00
- RP-27* Re-entrant Horn with RD-24 Driver Units. LIST PRICE: \$26.00 (RP-27) \$27.50 (RD-24)

* Handles up to 25 horns with RD-21 Driver Units with built-in line-matching transformers.



SIGNET MOBILE ASSEMBLY

Truly mobile-portable system which provides superb coverage over a wide area in countless applications. For example: police, civil defense, sports events, tour guides, field days, etc.

System Features:

- Transistorized AM-666 8-Watt Amplifier. LIST PRICE: \$120.00
- MD-60 Dynamic Microphone. LIST PRICE: \$33.00
- RS-14* Re-entrant Speaker with built-in driver unit. LIST PRICE: \$34.50

* Additional RS-14 Speakers may be used.



MICROPHONES



MODEL MD-60 DYNAMIC

Close-talking, medium impedance, hand-held type. Designed for clear, natural voice reproduction. Ideal for mobile or portable use. Complete with coiled cord and connector. LIST PRICE: \$33.00



MODEL MCX-55 CRYSTAL

Small and inconspicuous, only 4 1/4" high. Rugged high-impedance crystal element. Mounts on standard floor, banquet or desk stand. LIST PRICE: \$15.95



MODEL MD-56CS DYNAMIC

Ideal for sound reinforcement and public address applications. The positive-action on-off switch is of the shorting type. Omni-directional pick-up characteristic at low frequencies; directional at high frequencies. LIST PRICE: \$41.00

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Audio perfection depends on careful selection of the right amplifier for the specific job. The wide selection, plus unsurpassed flexibility, quality, dependability and economy of Signet Amplifiers assures the finest in audio.

SIGNET AMPLIFIERS



SIGNET 10

(illustrated with optional top cover)

POWER OUTPUT: Rated 10 watts, peak 19.6 watts. **RESPONSE:** 30 to 20,000 cps ± 2 db. **REGULATION:** 3.0 db at 1 kc. **INPUTS:** 1 microphone, 1 phono-radio. **GAIN:** 115 db microphone, 77 db phono-radio. **INPUT SENSITIVITY:** Microphone 8 millivolts for rated output. Phono-radio 0.4 volts for rated output. **HUM AND NOISE:** Fundamental — 75 db, microphone — 50 db, phono-radio — 75 db. **TONE CONTROL:** Continuously variable, provides 18 db attenuation at 10 kc. **OUTPUT IMPEDANCES:** 4, 8 ohms, 25 volt line. **POWER CONSUMPTION:** 60 watts at 120 volts, 60 cps. **TUBES:** 1-6AV6, 1-6AU6, 1-6L6GB, 1-5Y3GT. **SHIPPING WEIGHT:** 12 lbs. 8 oz. **DIMENSIONS:** 11 $\frac{1}{4}$ "W, 8"D, 6"H.

LIST PRICE: \$62.00
(without top cover)



SIGNET 70

POWER OUTPUT: Rated 70 watts, peak 138 watts. **RESPONSE:** 20 to 20,000 cps ± 2 db. **REGULATION:** 3 db at 1 kc. **INPUTS:** 2 microphones (2 meg. input impedance); 1 phono-radio (0.5 meg. input impedance). **GAIN:** 127.6 db microphone, 85.9 db phono-radio. **INPUT SENSITIVITY:** Microphone 6 millivolts for rated output. Phono-radio 0.35 volts for rated output. **HUM AND NOISE:** Fundamental — 75 db, microphone — 55 db, phono-radio — 70 db. **TONE CONTROL:** Separate continuously variable bass and treble controls. **Bass Control** — 15 db boost at 50 cps; 14 db cut at 50 cps. **Treble Control** — 13 db boost at 10 kc; 16 db cut at 10 kc. **OUTPUT IMPEDANCES:** 4, 8, 16 ohms, 70 volt line. **POWER CONSUMPTION:** 180 watts at 120 volts, 60 cps. **TUBES:** 1-7025, 1-12AX7, 1-6U8, 2-6E50, 1-5U4GB, 1-5Y3GT. **SHIPPING WEIGHT:** 31 lbs. **DIMENSIONS:** 16 $\frac{1}{2}$ "W, 10"D, 8"H.

LIST PRICE \$168.00



SIGNET 22

POWER OUTPUT: Rated 22 watts, peak 40 watts. **RESPONSE:** 30 to 20,000 cps ± 2 db. **REGULATION:** 3.0 db at 1 kc. **INPUTS:** 2 microphone (2 meg. input impedance), 1 phono-radio (0.5 meg. input impedance). **GAIN:** 122.5 db microphone, 80 db phono-radio. **INPUT SENSITIVITY:** Microphone 7 millivolts for rated output. Phono-radio 0.35 volts for rated output. **HUM AND NOISE:** Fundamental — 75 db, microphone — 55 db, phono-radio — 70 db. **TONE CONTROL:** Continuously variable, provides 15 db attenuation at 10 kc. **OUTPUT IMPEDANCES:** 4, 8, 16 ohms, 70 volt line. **POWER CONSUMPTION:** 75 watts at 120 volts, 60 cps. **TUBES:** 1-7025, 1-12AX7/EC83, 2-6BQ5/EL84, 1-5Y3GT. **SHIPPING WEIGHT:** 13 lbs. 8 oz. **DIMENSIONS:** 11 $\frac{1}{4}$ "W, 8"D, 6"H.

LIST PRICE: \$87.50



SIGNET 33

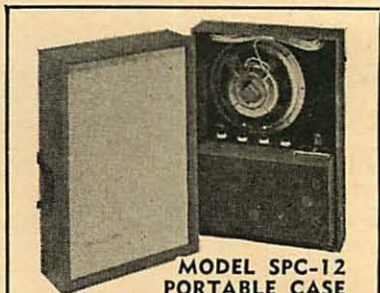
POWER OUTPUT: Rated 33 watts, peak 64.5 watts. **RESPONSE:** 30 to 20,000 cps ± 2 db. **REGULATION:** 2.5 db at 1 kc. **INPUTS:** 2 microphone (2 meg. input impedance); 1 phono-radio (0.5 meg. input impedance). **GAIN:** 122.5 db microphone, 80 db phono-radio. **INPUT SENSITIVITY:** Microphone 7 millivolts for rated output. Phono-radio 0.35 volts for rated output. **HUM AND NOISE:** Fundamental — 75 db, microphone — 55 db, phono-radio — 70 db. **TONE CONTROL:** Separate continuously variable bass and treble controls. **Bass control** — 13 db boost at 50 cps; 15 db cut at 50 cps. **Treble control** — 13 db boost at 10 kc; 18 db cut at 10 kc. **OUTPUT IMPEDANCES:** 4, 8, 16 ohms, 70 volt line. **POWER CONSUMPTION:** 120 watts at 120 volts, 60 cps. **TUBES:** 1-7025, 1-12AX7, 1-6U8, 2-6L6GB, 1-5U4GB. **SHIPPING WEIGHT:** 24 lbs. **DIMENSIONS:** 16 $\frac{1}{2}$ "W, 10"D, 8"H.

LIST PRICE: \$107.50



AM-666 MOBILE

POWER OUTPUT: 8 watts, less than 5% distortion. **RESPONSE:** 100 to 10,000 cps ± 3 db. **INPUTS:** 1 microphone, medium impedance (150-600 ohms); 1 phono, high impedance (500,000 ohms). **GAIN:** 97 db. **NOISE LEVEL:** 65 db below rated output. **CONTROLS:** On-Off Switch, microphone-phono selector switch, gain control. **OUTPUT IMPEDANCES:** 4, 8, 16 ohms. **POWER SUPPLY:** 12 volts car battery or dry battery pack, current drain 0.15 amperes standby, 0.3 amperes speech, 0.5 amperes music. **Power leads,** 3 feet, identified for polarity; positive lead has in-line fuse. **TRANSISTORS:** 1-2N214, 2-2N226, 2-2N257. **MOUNTING:** "L" brackets furnished for fastening to bulkheads. **WEIGHT:** 3 lbs. **DIMENSIONS:** 6 $\frac{1}{8}$ "W, 4 $\frac{1}{8}$ "H, 3 $\frac{1}{8}$ "D. **LIST PRICE: \$120.00**



MODEL SPC-12 PORTABLE CASE

Includes 2 high-quality 12" speakers in split portable baffles which double as a carrying case for amplifier. Mounts Signet 22 or 33. Includes 25 feet of cable for each speaker. 18"W x 24 $\frac{1}{2}$ "H x 11 $\frac{1}{2}$ "D.

LIST PRICE: \$85.00



Model PR-5 Phono Table

This three-speed record player is available for the Signet 10, 22, Signet 33 and Signet 70 Amplifiers. **LIST PRICE: \$42.50**

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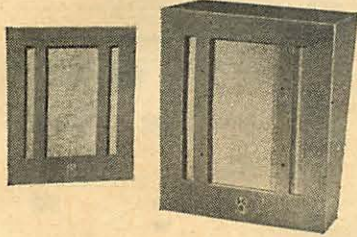
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SIGNET SPEAKER HOUSINGS

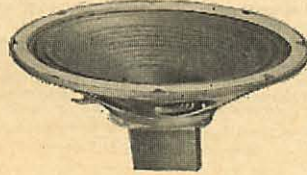


Models RH-34 and RH-54

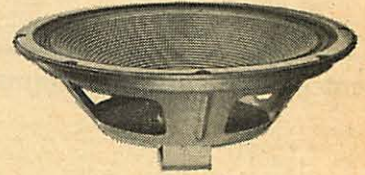
Rugged tilt-type wall mounting cabinets in Desert Sand finish. 7½ degree tilt on each side. RH-34 designed for 8" speaker. RH-54 designed for 12" speaker. RH-34 easily converts to two-way use by addition of RA-8 Back Panel

LIST PRICE: RH-34 \$12.00
RH-54 \$22.00

SIGNET CONE SPEAKERS



MODEL RC-27 8"
PERMANENT MAGNET SPEAKER



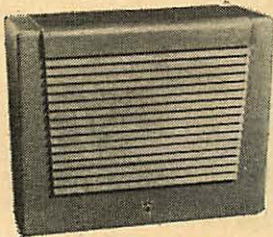
MODEL RC-58 12"
PERMANENT MAGNET SPEAKER

Both speakers employ high-efficiency Alnico V magnets, aluminum voice coil forms and one-piece ribbed molded diaphragm cones. Model RC-27: FREQUENCY RESPONSE: 55-13,000 cps; POWER RATING: 10 watts (program); CONE RESONANCE: 105 cps; FLUX DENSITY: 8,000 gauss; VOICE COIL IMPEDANCE: 8 ohms; SENSITIVITY: 88 db; SIZE: 8½" dia., 3½" deep; WEIGHT: 2 lbs. LIST PRICE: \$10.00

Model RC-58: FREQUENCY RESPONSE: 55-13,000 cps; POWER RATING: 16 watts (program); CONE RESONANCE: 80 cps; FLUX DENSITY: 8,500 gauss; VOICE COIL IMPEDANCE: 8 ohms; SENSITIVITY: 85 db; SIZE: 12½" dia., 4¾" deep; WEIGHT: 2½ lbs. LIST PRICE: \$14.00

COMPLETE RE-ENTRANT SPEAKERS

Ideal for paging and intercommunication under adverse weather conditions and in high-noise areas.



Model RH-28D

Modern plastic housing for 8" cone speakers. Molded in solid Desert Sand color. Will withstand extreme abuse without breakage. Designed with sloping front and horizontal louvers. Bracket available for wall mounting. LIST PRICE: \$10.00



Model RS-14

Re-entrant, with built-in driver. Effective in noisy locations. Suitable also for outdoor installation.

LIST PRICE: \$34.50

Model RS-5 & RS-6

Small re-entrant speakers with built-in driver units. For paging, etc. Ideal for loading platforms and exposed locations.

LIST PRICES: RS-5 \$26.00
RS-6 \$27.25



Model	Size	Air Col. Equiv.	Input Capacity	Voice Coil Impedance	Freq. Response	Distribution Angle	Mounting	Weight	Finish
RS-5	Bell 6" Length 7"	14"	5 watts	8 ohms	400-13,000 cps	120°	Ratchet Bracket	3½ lbs.	Gray
RS-6	Bell 6" Length 7"	14"	5 watts	45 ohms	400-13,000 cps	120°	Ratchet Bracket	3½ lbs.	Gray
RS-14	Bell 9" Length 9"	18"	15 watts	8 ohms	300-13,000 cps	90°	Ratchet Bracket	5 lbs.	Glacier Gray

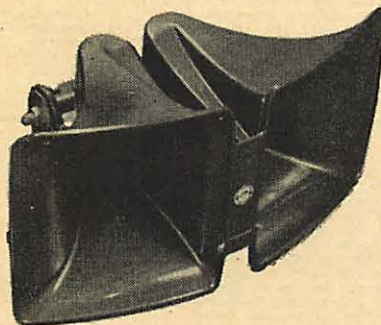
DRIVERS



Model RD-24: INPUT CAPACITY: 25 watts. FREQUENCY RANGE: 85-6,500 cps. VOICE COIL: 16 ohms. LIST PRICE: \$27.50
Model RD-21: INPUT CAPACITY: 30 watts. FREQUENCY RANGE: 80-10,000 cps. VOICE COIL: 16 ohms. Built-in transformer. LIST PRICE: \$47.50

Model RD-23: INPUT CAPACITY: 30 watts. FREQUENCY RANGE: 80-10,000 cps. VOICE COIL: 16 ohms. LIST PRICE: \$36.00

SIGNET RE-ENTRANT HORNS



The Signet Line includes models of various sizes distribution angles and low-frequency cutoffs.

Model RP-48. 9¼" x 18½" mouth.
LIST PRICE: \$38.35

Model RP-27. Bell 15½", Length 12½".
LIST PRICE: \$26.00

Model RP-34. Bell 20", Length 16¼".
LIST PRICE: \$31.00

Model RP-40. Bell 24¾", Length 19½".
LIST PRICE: \$47.00

Model RP-44. Bell 25½", Length 19".
LIST PRICE: \$44.50

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