

the Baronet

KLIPSCH LICENSED FOLDED HORN CORNER ENCLOSURE FOR 8" SPEAKERS

Extends the bass range—highly effective 4-octave pass-band circuit used to resonate frontal air load. Response down to 35 cps.

Lowers distortion—proper loading of driver cone holds voice coil in the flux gap.

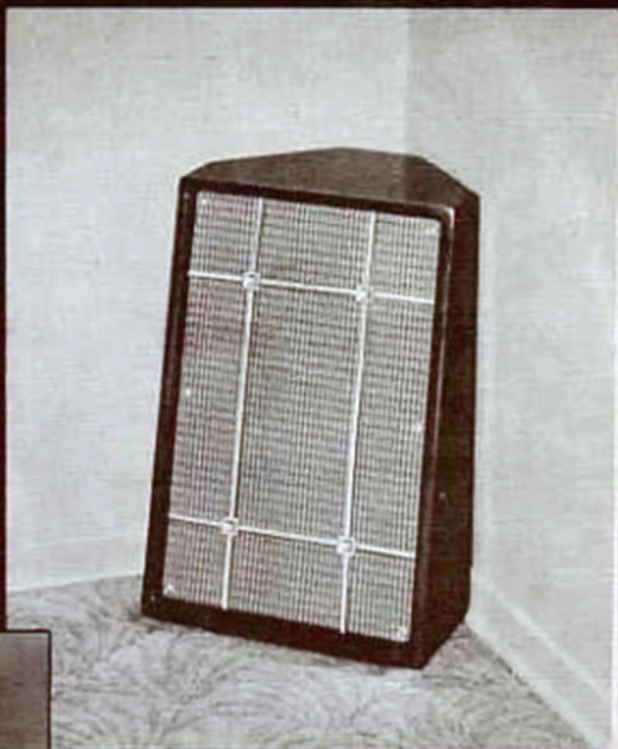
Increases power handling—because effective loading prevents large excursions and "bottoming" of the cone.

More pleasing highs—because musical balance is achieved with the adequate bass. Direct front radiation of high frequencies.

Unusually small size—extremely portable, can be used anywhere.

Eliminates "one note" bass—because of scientifically correct horn loading.

Two octaves more bass from 8" speakers



DIMENSIONS: 22 $\frac{1}{2}$ " high, 14 $\frac{1}{2}$ " wide, 14 $\frac{3}{4}$ " deep
WEIGHT: Net, 18 lbs.; Shipping, 22 lbs.

PRICE: (cabinet only)

MAHOGANY, List, \$65.00, Audio-ophile Net, \$39.00

BLONDE, List, \$69.00, Audio-ophile Net, \$41.40

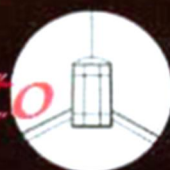
© beim Hersteller

Archiv Michael-Otto

Conservatively modern, the graceful sloping front of the Baronet is at once appealing and functional. The attractive grille is formed of plastic "Lumite", bronze in the mahogany finished model, and ceru in the blonde. Hardwood veneers are used in both finishes, with all exposed surfaces hand-rubbed to a rich mirror gloss. Hardware is lacquered in brushed-brass antique.

Almost unbelievable range in the bass response, at phenomenal efficiency, is the result of the famous Klipsch principle of folded corner-horn loading. Concealed in approximately 1 $\frac{1}{2}$ cubic feet of furniture housing is the throat of a horn formed by the walls of the room itself. Thus, the wavelength of a 30 cps tone can be successfully attained by the horn mouth included by the walls at the quarter wave-length dimension of 111 inches. To achieve required power in the first three octaves, the reactance of the mass of the air in the slot immediately behind the driver, in conjunction with the reactance of the compliance of the cavity, is used to produce resonance. This results in increased power due to the broadly resonant acoustic circuit formed.

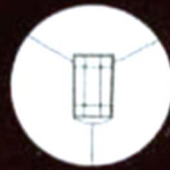
The Baronet is formed of $\frac{3}{8}$ " hardwood plyboard rigidly braced and is equipped with standard RTMA mounting for all 8" speakers.



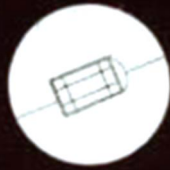
Inconspicuous in the floor corner



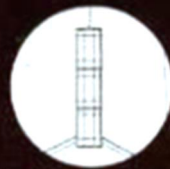
On the table for close listening



Space saving in the ceiling corner



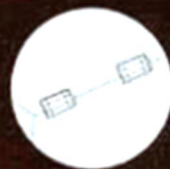
At the ceiling



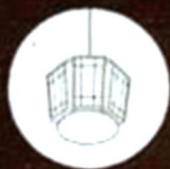
Stack them for additional base because of mutual loading



Against the wall WITHOUT a corner gives the effect of corner loading without the corner



In multiple for excellent low level coverage



Hung from the ceiling in a cluster for 360° coverage

NO FINER CHOICE THAN

Electro-Voice

HI-FI SPEAKER SYSTEMS • MICROPHONES • PHONO-CARTRIDGES • TV BOOSTERS • P.A. SOUND PROJECTORS

coaxial loudspeakers for the Baronet



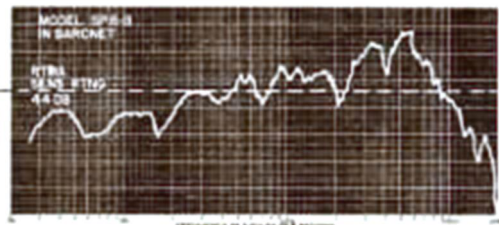
SPECIFICATIONS: MODEL SP8-B

FREQUENCY RESPONSE RANGE: 13,000 cps \pm 6 db in Baronet Enclosure with usable response to 15,000 cps. **FREE SPACE BASS CONE RESONANCE** 72 cps; **SHORT DURATION PEAK-POWER INPUT** 25 watts; **CONTINUOUS PROGRAM LEVEL** 15 watts with minimum distortion. **IMPEDANCE:** nominal 8 ohms at 400 cps. **RADAX CROSSOVER FREQUENCY** 3,000 cps. **FIELD EXCITATION** 1 pound Alnico V Magnet; **MAGNET STRUCTURE WEIGHT** 5 pounds; **FIELD STRENGTH** 10,500 lines per cm². 1½" voice coil. **BINDING POSTS** marked red, positive, black negative, for forward motion of cone with dry cell applied. Cones are compliance damped to prevent reflections from reinforcing and cancelling certain frequencies. Bass and treble cones specially treated for moisture and fungus protection. Frame is drawn, rigid steel with durable polished zinc chromate finish. **RTMA sensitivity rating** 44 db. **Weight, net:** 7½ pounds; **Shipping:** 10 pounds.

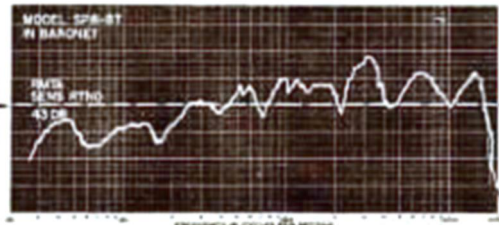
SPECIFICATIONS: MODEL SP8-BT

All specifications for Model SP8-BT are identical with those of the SP8-B with exception of the following: **Frequency Response Range:** 30—17,000 cps \pm 6 db. (See text for listening quality differences). **Radax crossover frequency** 4,000 cps. **RTMA sensitivity rating** 43 db.

RESPONSE RANGE, MODEL SP8-B



RESPONSE RANGE, MODEL SP8-BT



ELECTRO-VOICE MODEL SP8-B AND SP8-BT SPEAKERS

Now you can hear *all* the bass in an eight-inch loudspeaker *plus* high-frequency response extending 2½ full octaves beyond that obtainable from conventional speakers of equal size! The Radax Super-Eights provide full, clean, sparkling reproduction throughout 9 octaves.

Two Cones. In the Radax Principle, an exclusive E-V development, two cones divide the audible spectrum. Each cone reproduces only that portion of the frequency range for which it is specifically designed.

The elimination of interaction between low and high frequencies suppresses generation of disagreeable transient and intermodulation distortion. Distortions are further reduced through special compliance damping material.

Easy to Install. The extended range and convenient size of E-V eight-inch coaxial speakers recommend them for multiple-unit, low-level wired music installations in cafes, department stores, and industrial applications. Minimum depth, 5½" behind mounting panel permits installation in ceilings and between joists without piercing adjacent wall. The Model SP8-BT, a specialized version of the SP8-B, can be used as a "tweeter" unit, or high-frequency driver, for existing loudspeakers, vastly extending the treble range. It may be used for monitoring fine sources or as a full range driver by itself.

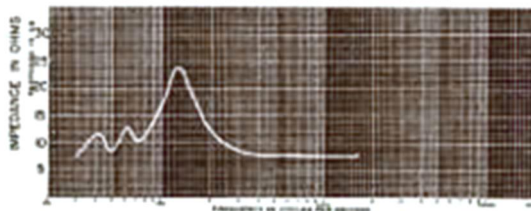
MODEL SP8-B, List Price, \$47.50, Audio-ophile Net, \$28.50

MODEL SP8-BT, List Price, \$47.50, Audio-ophile Net, \$28.50

Listening differences between SP8-B and SP8-BT

Listening Character. Because the Radax principle allows considerable flexibility in design, the frequency response curve shape can be influenced to a high degree by changing the length and weight of the high-frequency cone. The short high frequency cone of the SP8-B allows for augmented response and efficiency in the "presence" region 2-6 KC, as shown in the curve. The roll-off in response past 9 KC subdues the effects of sibilant distortion and background noise in recorded sources of the usual commercial type. The SP8-BT, with the longer high-frequency cone, transfers the added efficiency of the SP8-B in the 2-6 KC "presence" range to the last half octave, extending the high-frequency response to 17 KC, actually beyond the range of hearing. This means that the SP8-BT delivers superb results on very fine tape recordings, and finds favor when used as a direct monitor for live broadcast and TV. Because high level monitoring is the rule, the usual "presence" rise is not incorporated in this model to equalize the ear characteristic in this region for low levels of operation. For average home use, the SP8-B model is usually selected by the user.

IMPEDANCE OF BARONET WITH SP8-B AND SP8-BT DRIVERS



response and impedance data

It is important to note that curves of themselves are difficult to use as the sole means of evaluating loudspeaker performance; proper correlation can be achieved best by consideration of the published data in conjunction with listening tests of the drivers playing known source material.

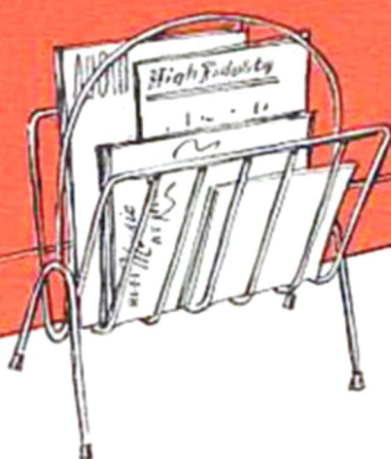
THE PHENOMENAL



Baronet

DIRECT-RADIATOR, FOLDED-HORN CORNER ENCLOSURE

for 8-in. Speakers
and Separate Systems
(Klipsch Licensed)



GREATLY EXTENDS THE LOW BASS RANGE...Reproduces at least one octave more from 8-in. speakers, with phenomenal efficiency.

GIVES MORE PLEASING HIGHS...Added bass provides proper balance for treble range.

INCREASES POWER HANDLING...Effective horn-loading prevents large cone excursions and "bottoming."

UNUSUALLY SMALL SIZE...True high-fidelity in compact design, for versatile use.

Music lovers are constantly amazed at the almost unbelievable bass reproduction achieved in the BARONET. Through scientific folded-horn corner design, the throat of a horn formed by the walls of the room is concealed in approximately 1½ cubic feet of furniture housing. With phenomenal efficiency, the bass range is adequately extended and over-all musical balance properly achieved.

Conservatively modern, the graceful sloping front of the BARONET is at once appealing and functional. The attractive grille, formed of plastic "Lumite," is bronze in the mahogany cabinet and ecru in the blonde. Hardwood veneers are used and all exposed surfaces are hand-rubbed to a rich furniture finish.

The wave-length of a second-octave tone can be successfully attained by the horn-mouth area of the BARONET by including the walls of the room as an integral part of the reproducer. To achieve required

power in the lowest octaves, frequency selective resonant sinuses are employed in the rear horn-loading path. This results in increased power due to the formation of a broadly resonant acoustic circuit.

The Baronet cabinet is formed of ¾-in. laminated hardwood and is braced rigidly. It is equipped with standard RETMA mounting for all 8-in. speakers. Size: 23½ in. high, 14½ in. wide, 10½ in. deep at the top and 14 in. deep at the bottom. Shipping weight: 24 lb.

THE BARONET. Corner enclosure only

Mahogany Net, \$44.00
Blonde (Limed Oak)..... Net, \$47.00
Walnut Net, \$49.35
SP8B 8-in. Coaxial Driver Net, \$29.50

Recommended Additions

T35B. VHF Driver Net, \$21.00
X36. Crossover Network... Net, \$9.50
AT37. Brilliance Control, Mahogany Dial Net, \$3.90
AT37B. Brilliance Control, Blonde Dial Net, \$3.90

These recommended additions, available in a package as Model BB1 Building Block Kit, are described completely in the Components Section, Catalog 117.

Enclosure also available in "Do-it-Yourself" Kit Model KD7.

RECOMMENDED DRIVERS—Use the 8-in. Electro-Voice Model SP8B Radax Coaxial Driver with the BARONET for best performance. However, this folded-horn corner enclosure will greatly improve reproduction from all makes of 8-in. speakers. A precut port permits later addition of the T35B Very-High-Frequency Driver, X36 Crossover and, if desired, the AT37 Brilliance Control. In this way, the world's smallest high-quality high-fidelity 3-way speaker system is obtained easily, and at low cost.



SPACE-SAVING, VERSATILE, INCONSPICUOUS

Use the BARONET on the floor, ceiling, shelf or table—in the corner—use it alone or as an extra auxiliary reproducer. Use two in different corners for binaural listening. Use it in multiple for excellent, low-level coverage and for additional bass because of mutual loading. Several can be hung in a cluster for 360° coverage.