



Bozak for the discriminating

CONTENTS

2-3-4-5	The Bozak Ensembles
6-7-8	The Concert Series
10-11	
9-11	The Symphonic Series
12-13	Component Speakers and Networks
14	For The Handyman Built-Ins Kits
15	Systematic Growth
16	The Bard
17	Using Your Bozaks The Bozak Guaranty

THE FIRST NAME IN LOUDSPEAKERS

We present here a general description and realistic specifications of Bozak products. The specifications of the Bozaks may at first seem unimpressive to anyone exposed to the claims being made today for many loudspeakers—claims often far exceeding any possibility of realization under the laws of physics.

Experienced listeners know that words and figures, even when accurate, cannot express many of the characteristics of sound. Only the ear can judge truly — and it is the judgment of thousands of critical listeners that has earned, and through the years enhanced, the reputation of the Bozaks as The First Name in Loudspeakers.

The material in this catalog must be evaluated in the light of Bozak's policies, experience, and facilities. Our policy is to endow

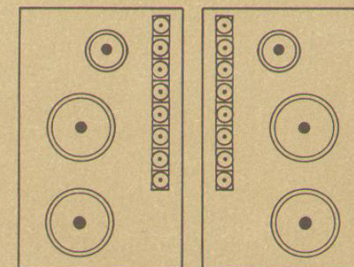
each speaker system of a broad line with the maximum precision in the re-creation of music. Supporting this policy are three decades of experience in audio design and manufacturing, a continuing program of research with extensive laboratory resources, and complete and integrated production facilities. Hidden to the eye but appreciated by those who recognize their vital importance, are the intrinsic physical values of the Bozaks—unstinted quantity and quality of materials, meticulous craftsmanship, all-climate protection with paint and plating, and repeated inspections and tests. These hidden factors support the audible and visible qualities of the Bozaks to make them The Number One Value in Loudspeakers.

In stereo as in life, realistic sound can come

SYMPHONIC SERIES



A STEREO PAIR OF B-4000



23"W x 41"H x 3/4" thk / 75 lb

B-4000 / SYMPHONY No. 1

Designed specifically for the serious music-listener who has the taste but not the space for a stereo pair of Concert Grands, the Symphony No. 1 is the only close rival to these magnificent larger instruments for precision in the re-creation of music. The tight coupling of the bass speakers, incisive clarity of the midrange unit, slot-loaded vertical arrangement of the treble speakers, and mirror-image configuration of the speakers on paired panels, impart to good stereo material a clarity and vitality that are supremely gratifying to the most exacting perfection-

ist. The full B-4000 system can be achieved by three systematic stages of Symphonic Growth: **1**, single woofer and two double treble units; **2**, two woofers and four dual treble units; **3**, the complete system.

The distinctive Symphony No. 1 cabinet is of a timeless design in walnut. The B-4000 system is available as a panel-mounted system for wall installation

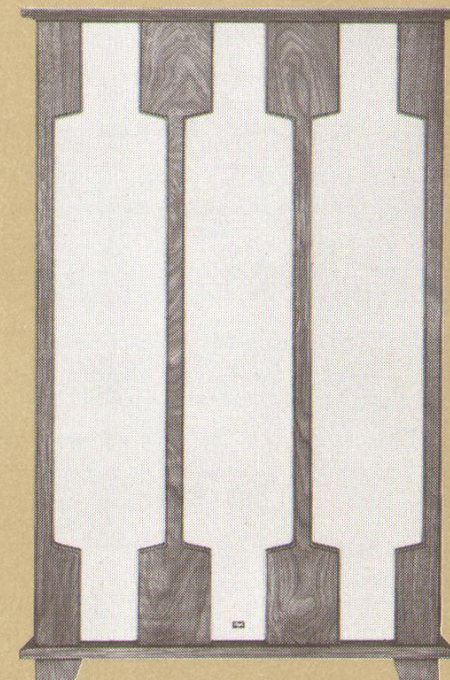
B-4000: 28"W, 16"D, 44"H / 150 lb / Matte walnut / The cabinet is available as a complete, unfinished, kit.

COMPLETE SYMPHONIC SERIES, SHOWING SYMPHONIC GROWTH

MODEL	RANGE — cps	COMPONENT SPEAKERS			min AMP watts RMS	IMPED ohms	min CAVITY cu ft	CROSSOVER NETWORK
		B-199A**	B-800B*	B-200Y				
B-4000b	40-20,000	1	—	2	20	16	8	4 mfd
B-4000c	35-20,000	2	—	4	30	8	8	8 mfd
B-4000a	35-20,000	2	1	4	30	8	8	N-105

* — 8-ohm model

** — 16-ohm model



COMPONENT SPEAKERS

FROM WHICH ALL
BOZAK SPEAKER SYSTEMS
ARE FORMED



B-199A / BASS The foundation of all Bozak Speaker Systems is the B-199A Bass Speaker. Its light, rigid, variable-density felted-paper cone with high-compliance suspension — an exclusive Bozak development — makes it the most respected of all woofers. It is unrivalled for its clean low-frequency power and transient response. Designed specifically for the infinite baffle, its use in multiples for increased power and extended bass response retains the precision inherent in the relatively-small individual cones.

Response*, 40 to 4500 cycles / Impedance, 8 ohm or 16 ohm; specify / Power Rating, 20* watts / Resonance, below 40 cycles in free air / Voice Coil, ribbon wire on 1½" aluminum form / Field, 1½-lb Alnico V magnet, 13,000 Gauss (5-lb magnet structure) / Dimensions, 12½" OD, 5⅞" deep / Weight, 9 pounds. / Mounting, 11"-diam cutout with four equally-spaced bolt holes on an 11¾"-diam circle / Enclosure, infinite baffle stiffened and acoustically lined; / Cavity, 5 cu ft for one, 8 cu ft for two, 16 cu ft for four.

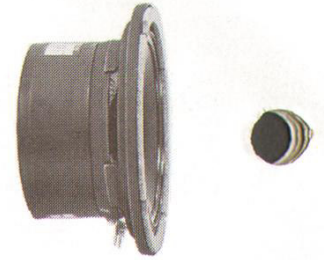
* — extended by use in multiples



B-800 / WIDE-RANGE SPEAKER

An ideal extension speaker for secondary areas such as den, gameroom or patio—its weather-proof construction permits permanent installation outdoors. The rigid metal diaphragm is a Bozak patented exclusive. A specially-damped version, B-800A, is used for the midrange in the B-4000.

Response, 50 to 10,000 cycles / Impedance, 8 ohm or 16 ohm; specify / Power Rating, 15 watts / Voice Coil, ribbon wire on 1½" aluminum form / Field, 1½-lb Alnico V magnet, 13,000 Gauss (5-lb magnet structure) / Dimensions, 8½" OD, 3¾" deep / Weight, 7 lb / Mounting, 7⅛" diam cutout with 4 equally-spaced bolt holes on a 7⅝"-diam circle / Enclosure, 1½ cu ft min.



B-209B / MIDRANGE The exceedingly rigid metal diaphragm (a patented Bozak exclusive) with unique edge and center damping makes the B-209B the foremost speaker for reproducing the middle frequencies that are responsible for melody, the timbre of most musical instruments, and the intelligibility of speech.

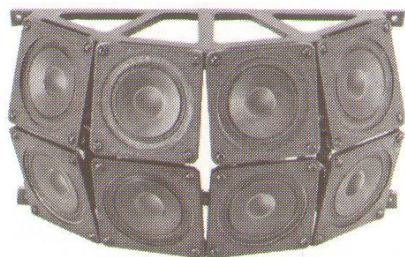
Response, 200 to 3500 cycles / Recommended Crossovers, 400 (or 800), and 2500 cycles / Impedance, 8 ohm or 16 ohm; specify / Power Rating, for use in Bozak 20- to 75-watt Concert Series systems / Resonance, none acoustically / Voice Coil, 1½" / Field, 1½-lb Alnico V magnet, 13,000 Gauss (5-lb magnet structure) / Dimensions, 6½" OD, 3½" deep / Weight, 7 lb / Mounting, 5½"-diam cutout with four equally-spaced bolt holes on a 6"-diam circle / Enclosure, in woofer cavity or minimum 1-cu-ft lined cavity.



B-200Y / TREBLE The velvet-smooth response of the B-200Y is the result of its unique design, unlike that of any other tweeter. Its relatively large magnet, and the small metal diaphragm floating in a cushion of special damping material, make possible the broad, smooth dispersion of natural highs. It is used in all Bozak two-way and three-way systems — in the larger systems, multiple groupings of the dual units in spherical and linear arrays give increased spatial coverage and power-handling

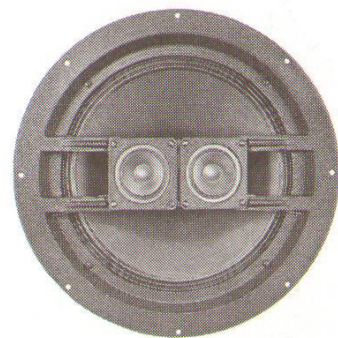
Response, 1500 to 20,000 cycles / Recommended Crossover, 2500 cycles / Impedance, 8 ohms (two 16-ohm sections in parallel) / Power Rating, for use in Bozak 20* watt systems / Field, two 8-oz Alnico V magnets, 14,000 Gauss (2½ lb total magnet structures) / Dimensions, 6½" wide, 3¼" high, 2½" deep / Weight, 2½ lb / Mounting: coaxially on B-199A, or as described above.

* — extended by use in multiples



B-200YA / TWEETER ARRAY A spherical grouping of four dual-unit treble speakers as used in the Concert Grand I (B-310A) for the broadest vertical and horizontal dispersion. It may be installed in its own separate enclosure.

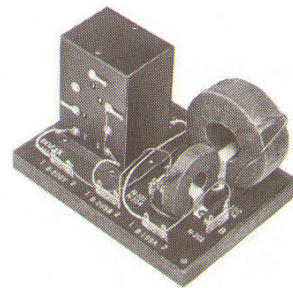
Response, 1500 to 20,000 cycles / Recommended Crossover, 2500 cycles / Impedance, 8 ohms / Power Rating, for use in Bozak 75-watt systems / Dimensions, 12½" wide, 6½" high, 5" deep / Weight, 12 lb / Mounting, outside woofer cavity.



B-207A / FULL-RANGE TWO-WAY SYSTEM Made up of the B-199A Bass and B-200Y dual-Treble Speakers mounted coaxially with a built-in crossover, the B-207A is both the finest two-way system available and the basic unit of the Concert Series. It mounts easily and is readily expandible into a three-way system.

One each B-199A Bass and B-200Y mounted coaxially on a rugged cast-aluminum frame with 4-mfd condenser / Response, 40 to 20,000 cycles / Crossover, 6 db/octave at 2500 cycles / 20 watts / Dimensions, 15" OD, 7" deep / Weight, 15 lb / Mounting, 12¼"-diam cut-out with 8 equally-spaced bolt holes on a 14½"-diam circle. / Enclosure, infinite baffle, minimum 5 cu ft for one, 8 cu ft for two units.

CROSSOVER NETWORKS



These units are designed to help the Bozaks yield the most realistic sound possible in multi-speaker systems. The non-ringing 6-db-per-octave crossovers give a broad overlap that eliminates any abrupt discontinuities between adjacent ranges.

N-10102A / This is a convertible network useful throughout the Concert Series by simple modification. By a change of connections it can have 8-ohm crossovers at 800 and 2500 cycles for the B-313 and B-302A, and 16-ohm for the B-305; the addition of the N-25 Condenser Bank and change of connections make it 8 ohms at 400 and 2500 cycles for the B-310A, B-310B, and B-410. 8" x 6" x 5½"H, 5 lb.

N-103 / Specifically for crossovers 16 ohms at 400 and 2500 cycles. 8" x 8" x 5½"H, 6 lb.

N-104 / Specifically for B-310A, B-310B and B-410; 8 ohms at 400 and 2500 cycles. 8" x 8" x 5½"H, 6 lb.

N-105 / Specifically for the B-4000 System; 8 ohms at 200 and 1500 cycles. 8" x 6" x 5½"H, 5 lb.

USING YOUR BOZAKS

The unrivalled precision of the Bozaks echoes not only the perfections, but equally the defects, of the associated equipment and program material used with them. Every component of the stereo system must be of the highest possible quality, capable of delivering to each speaker system at least the minimum specified RMS power at every frequency from 20 to 20,000 cycles with the lowest possible distortions. Note that we specify **watts RMS** rather than "Music Power". High amplifier-power is desirable, not to make the music "louder" but to handle smoothly the short-duration transient peaks that may require as much as 200 times average power level.

Don't "baby" your Bozaks. Use them often and with as much power as possible: like fine leather, they improve with use.

We offer two finishes: "Hand-Rubbed", a satiny lacquer; and "Matte", an open-grain pigmented-oil finish with a protective coat of flat lacquer. All cabinets are also available unfinished so that you can have a local craftsman match the color of your other furniture.

All Bozak cabinets should have the same care as any other fine furniture: polish with lemon oil or a good cream polish, with occasional applications of a good paste wax. NEVER use "self-polishing" or silicone-bearing preparations, since they can cause permanent damage.

All weights in this catalog are Shipping Weights.

THE BOZAK GUARANTY

All Bozak products are guaranteed for two years against failure due to defects of materials and/or craftsmanship, provided that the Registration Card supplied is returned to Bozak within ten days of purchase.

THE R. T. BOZAK MANUFACTURING COMPANY
DARIEN / CONNECTICUT / 06821 / USA

EXPORTS ELPA MARKETING INDUSTRIES, INC.
NEW HYDE PARK / NEW YORK / 11041 / USA





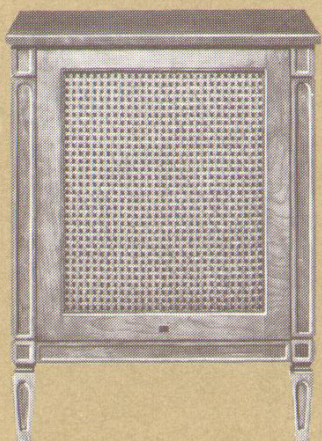
only from a big "stage" with many instruments. The realistic re-creation of orchestral music requires multiple sources on a large panel. No point-source or "bookshelf" speaker can compare with a large multi-source speaker system any more than a spinet can echo a concert-grand piano. Yet space will sometimes force a compromise, and the junior member of each family — speaker and piano alike — has its place when designed and built with integrity. The Bozak **SONATA II** and smaller **CONCERTOS**, like fine spinets, are made with the same precision as their larger relatives. Their special design gives them the broad sound-source so typical of the Bozaks —and, like all Bozaks, dollar for dollar and note for note, they are the one outstanding value in their class.

When space is available but circumstances postpone achievement of a large multi-voice "stage" for your stereo system, you can look forward to building up to your ideal by the easy stages of Systematic Growth. The modular design of the Bozak Bass, Midrange and Treble Speakers, the convertibility of the Crossover Networks, and the infinite-baffle mounting, allow you to grow step-by-step from the smallest one-woofer two-way system to the largest three-way system by simply adding Bozak components and modifying the crossover network. You choose the **CONCERT SERIES**, progressing from the smallest Concerto to a magnificent Concert Grand. If your space is somewhat limited, the **SYMPHONIC SERIES** builds into the Symphony No. 1 that is the only rival of the Concert

Grands for the title "The Supreme Achievement in The Re-Creation of Sound". Only with Bozaks can you improve your stereo system easily with speaker systems expanding from the simplest to the most magnificent.

You can have your Bozaks as separate components to install and wire yourself, or as complete systems either on panels or in Bozak-built fine-furniture cabinets. There are also all-inclusive kits of several Bozak speaker enclosures for easy assembly and finishing at home.

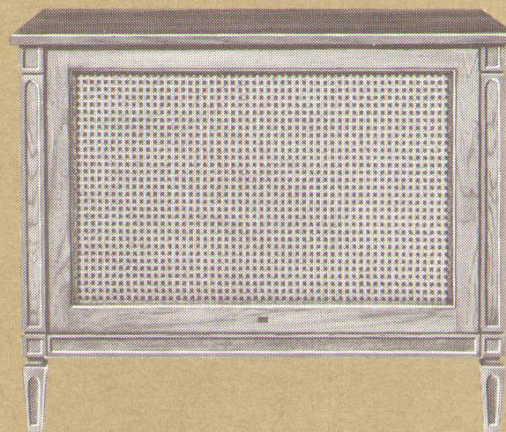
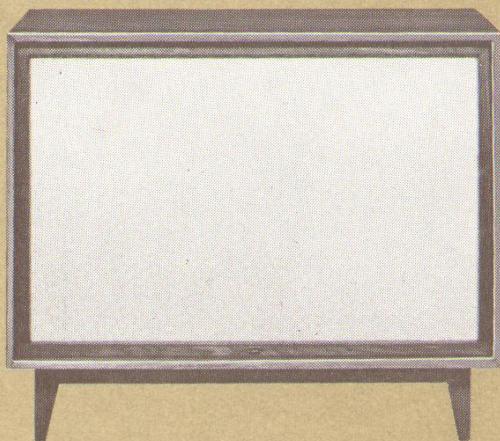
Year after year established music-lovers continue to enjoy, and new audiences are thrilled to discover, the precise re-creation of music that is possible only with a fine stereo system speaking through Bozaks.



carried by the midrange speaker in this three-way system, reveal the intricate details of complex orchestral passages with a fidelity far surpassing any comparable speaker system.

B-300 / One B-207A Coaxial Speaker / 40-20,000 cycles / Crossover 6 db per octave at 2500 cycles / 8 ohms / 20 watts RMS or more / 5 cu ft / Cabinet Specifications: Pages 2 and 3.

B-302A / One each B-207A Coaxial and B-209B (8-ohm) Midrange Speakers, and N-10102A Crossover Network / 40-20,000 cycles / Crossovers 6 db per octave at 800 and 2500 cycles / 8 ohms / 20 watts RMS or more / 5 cu ft / Cabinet Specifications: Pages 2 and 3.



B-305 / CONCERTO GROSSO A stereo pair of Bozak Concerto Grossos is a composition for full orchestra — brought into your living room in distinctive low-boy cabinets. The broad sound-source composed of two seven-unit speaker systems, one for each channel, re-creates the spaciousness of the concert hall. In each channel are two woofers for increased low-frequency power and extended bass range, a midrange speaker that assures crystal clarity and natural spatial relationship of individual instruments, and four widely-spaced treble speakers giving the warm, broad sound you expect only in the concert hall. Your Concerto Grossos effectively cover the entire musical spectrum with a precision exceeded by only the Symphony No. 1 and Concert Grands.

In Italian Provincial and Urban (with grille cloths easily changed to match your color scheme) grouped with the appropriate Equipment Cabinet (Pages 2 and 3), they form Ensembles de luxe that add a grace note to tasteful traditional and contemporary interiors and bring a lifetime of growing pleasure to the most demanding taste.

B-305 / Two B-207A Coaxial and one B-209B (16-ohm) Midrange Speakers, and one N-10102A Crossover Network / 35-20,000 cycles / Crossovers 6 db per octave at 800 and 2500 cycles / 16 ohms / 30 watts RMS or more / 8 cu ft / **Italian Provincial** 37"W, 18½"D, 30"H, 140 lb, Fruitwood on genuine cherry / **Urban** 36"W, 20"D, 30¼"H, 140 lb, Matte Walnut.

