

ELECTRO-VOICE
TIMELINE



1927



LOU BURROUGHS
EV CO-FOUNDER

AL KAHN
EV CO-FOUNDER

1930s

KNUTE ROCKNE

Rockne to Coach With Amplifiers

Knute K. Rockne, who has made Notre Dame football teams the talk of the country for many years, will coach his 1930 aggregation "by remote control" as it were, by means of a public address system.

Seated in a specially constructed tower and speaking into a microphone, the noted mentor's caustic remarks will be carried to his team by means of amplifiers which will reach all parts of the practice field.

Coach Rockne was ill last season and most of the winter and while his physical condition is said to have greatly improved, he is expected carefully to conserve his strength for the arduous duties that will be his this coming fall in whipping another championship team into shape.

The apparatus which he will use is the product of Albert R. Kahn and L. R. Burroughs, South Bend young men who are manufacturing and marketing it under the name of the Electro-Voice Manufacturing company, Inc. Their headquarters are at 110 West Colfax avenue. They entered into a contract this week with Mr. Rockne to furnish him the paraphernalia in time for the opening of the practice season.

'Rock' Barks at Practice.



—Photo by Tribune Staff Photographer.
GENERAL ROCKNE COACHING HIS TEAM.

When Notre Dame football teams get ready for games like the Navy tilt to-day, Rockne gets them ready. And he does it like an army officer whipping into shape a company of recruits. Here the Irish mentor is seen in action, directing his team on the field below through a loud-speaking system.

RADIO ENGINEERS HERE

Robert T. St. James, radio engineer for the Bendix Brake company of South Bend and Albert Kahn, another South Bend radio engineer, will address the radio school at the Houswerth radio shop here at 8 p. m. to-day. Mr. St. James was the instructor in the United States navy who 12 years ago taught radio operation to Arthur Wilson of the Houswerth company.

SPEAKER SYSTEM TO BE MADE HERE

A portable public address system capable of reaching approximately 3,000 persons will be manufactured by the Electro-Voice Manufacturing company, Inc., which Saturday filed articles of incorporation with the secretary of state in Indianapolis.

The incorporators are Albert Kahn and Louis Burroughs, partners in the Radio Engineers, Inc., 119 West Colfax avenue, and Mr. Kahn's father, Maurice L. Kahn, of 1069 Riverside drive. The new company will manufacture its product on the third floor at 119 West Colfax avenue, according to Albert Kahn. The incorporation calls for a capital stock of 100 shares at \$10 par value.

ELECTRO-VOICE

ELECTRO-VOICE MICROPHONES



Model "88" A highly developed, rugged and faithful double-button microphone, designed for high quality music and speech reproduction. Adaptable to broadcast, recording and public address work. No effort has been spared to make the "88" the finest microphone in America.

Frequency response: 30-7,000 c. p. s., Button resistance: 200 ohms, Maximum button current: 20 milliamperes, Diaphragm: .002" duralumin, stretched, Contacts: Pure 24 Kt. gold, Frame: Turned steel, chrome finish. Overall dimensions: 3 1/4" x 1 3/16". Weight 1 lb. **List Price \$25.00**



Model "100" The world's greatest microphone value. Combining quality of reproduction, handsome appearance with long life. Not a cheapened instrument - not a compromise, but a NEW microphone to meet NEW day requirements.

Frequency response: 40-6000 c. p. s., Button resistance: 200 ohms, Maximum operating current: 20 M. A., Contacts: Pure 24 Kt. gold, Frame: Alloy, turned, Buttons: New type ELECTRO-VOICE, Overall dimensions: 2 1/2" x 1", Weight 8 oz. **List Price \$10.00**



Model "107" Lapel Microphone is the first of this type definitely in the quality field. Designed for music and speech. Measuring 1 1/2" x 3/4" and weighing ONE OUNCE and notwithstanding the small size, nothing is omitted. The performance is equal to the finest of conventional type. Complete with 15 ft. light weight cable.

Frequency response: 40-6000 c. p. s., Button resistance: 200 ohms each, Maximum operating current: 10 M. A., Contacts: Pure 24 Kt. gold, Diaphragm: .002" duralumin, stretched, Frame: Hard aluminum alloy, Black finish, Overall dimensions: 1 1/2" x 3/4". Weight 1 oz. **List Price \$20.00**



Model "15" Condenser. Possesses every good quality that typifies the condenser type. The extremely wide and flat responsive curve and high sensitivity makes it ideal for broadcast studio, film recording or high quality public address. Handsome in appearance, finished in a combination of black and chrome.

Frequency response: 30-7500 c. p. s., Output impedance: 200 ohms, Complete harmonic equalization, Amplifier: two stage using 237 tubes, Mounting: Head is adjustable and mounted on a swivel, Amplifier is built in a tube, easily accessible, Overall dimensions: 14" x 4 1/2". Weight 9 lbs. **List Price \$100.00**

Repair

Any double button carbon microphone completely rebuilt, including new diaphragm, new grains, new buttons, new carbon retainers, new insulation and missing screws where necessary. A rebuilt instrument is guaranteed to be equal or better than new. Work returned within 24 hours. **Net Price \$6.50**

Parts

305	Condenser microphone diaphragm duralumin .001" x 4" x 4"	-.40
306	24 Kt. Gold spotted diaphragm duralumin .002" x 4" x 4"	\$4.00
307	Carbon granules No. 60 for hard usage. Sound trucks, etc.	\$.50
308	Carbon granules No. 80 General purpose. Public address, etc.	\$.50
309	Carbon granules No. 100. Better quality but more delicate.	\$.50
310	Buttons. 24 Kt. gold contacts, N" surface. 6-32 screw	\$.50

Warranty

ELECTRO-VOICE microphones are guaranteed for life to be free from defects in either workmanship or material.

Six years experience in microphone development is assurance of correct design and sturdy construction. An individual response curve is run on each finished unit and held to close limits. Even such distortion that is not apparent to the ear is detected and none but perfect instruments are allowed to pass.

ELECTRO-VOICE microphones are manufactured exclusively by ELECTRO-VOICE from the new material and the perfection of the parts is definitely insured.

Manufactured by
ELECTRO-VOICE MANUFACTURING CO.
314 EAST COLFAX AVENUE SOUTH BEND, INDIANA
Distributed by

1940s

FLAT or RISING RESPONSE
... as you need it!



The need to vary about your microphone, or even to build a filter in your speech, is now your choice in the Electro-Voice Cardax. With that frequency response as high as that in the one microphone, you can use it for response to other tones, or when in the "flat" position, the frequency response curve is wide and flat. Your voice quality is smooth, rounded and full. It's the "flat" position, the same as the 7 pin or 4000 ohm, and your signal is clean, clear, brilliant. Model 700 has a \$17.00.

THE Cardax
LARGEST CRYSTAL MICROPHONE

NO FINER CHOICE THAN
Electro-Voice

ELECTRO-VOICE, INC., BUCHANAN, MICHIGAN
Special Division, 10 East 42nd Street, New York 17, N.Y., U.S.A.

Entirely New Design now brings you
NEW FLEXIBILITY, New BEAUTY, New LOW COST



NEW CENTURY
CRYSTAL DYNAMIC CARBON MICROPHONE


Complete Adaptability Permits Widest Use in
Public Address, Paging, Recording, Communications

The CENTURY series lends a new use of wide adaptability and superior sound to any microphone. Designed for many functions, it is available in many styles and sizes. The complete range of adaptability is provided by the use of the CENTURY series. Each group you select is a complete unit, including the microphone, stand, and accessories. The CENTURY series is the only microphone that can be used in any of the following applications:

- Public Address
- Paging
- Recording
- Communications
- Stage
- Studio
- Radio
- Television
- Amplification
- Sound Reinforcement
- Sound Effects
- Sound Effects
- Sound Effects

Model 100, \$12.00
Model 101, \$12.00
Model 102, \$12.00
Model 103, \$12.00
Model 104, \$12.00
Model 105, \$12.00
Model 106, \$12.00
Model 107, \$12.00
Model 108, \$12.00
Model 109, \$12.00
Model 110, \$12.00

NO FINER CHOICE THAN
Electro-Voice


THE
War Department
expresses its appreciation for patriotic service in a position of trust and responsibility to
Louis Burroughs

The outstanding assistance in the design and development of Microphone T-45 during World War II.

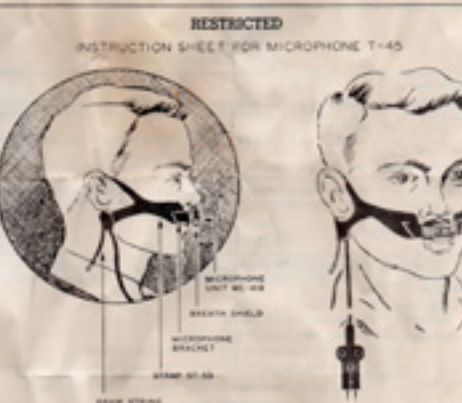
Washington, D. C. 7 October 1945

H.C. Hughes
Major General, Chief of Staff

Louis Burroughs
General Electric, 183
Cambridge Street, Cambridge, Mass.

R.L.P. P...
Director of War

RESTRICTED
INSTRUCTION SHEET FOR MICROPHONE T-45



1. GENERAL
Microphone T-45 is worn on the face and is designed primarily for use in those applications where the use of the hands is necessary in operation of Microphone Unit MC-45 and MC-46.

2. MICROPHONE UNIT MC-45
Microphone Unit MC-45 is a wide operating, single-frequency carbon microphone designed for use in those applications where a maximum output of 100 milliwatts is required. The maximum output is between 80 and 100 phons at 1000 cps.

3. STAY STRONG
Hold 25 degrees of the face (right and left), a microphone teacher, and a good knowledge of "Stay Strong" is a must for the user of this microphone.

Quantity	Name of Component
1	Microphone Unit MC-45
1	Microphone Unit MC-46
1	Microphone Unit MC-47
1	Microphone Unit MC-48
1	Microphone Unit MC-49
1	Microphone Unit MC-50
1	Microphone Unit MC-51
1	Microphone Unit MC-52
1	Microphone Unit MC-53
1	Microphone Unit MC-54
1	Microphone Unit MC-55
1	Microphone Unit MC-56
1	Microphone Unit MC-57
1	Microphone Unit MC-58
1	Microphone Unit MC-59
1	Microphone Unit MC-60

RESTRICTED

Electro-Voice®



1950s



For audiophiles who like to feel the deep bass in recorded music, Electro-Voice has perfected its 30-inch loud-speaker, the model 30W. Write to manufacturer in Buchanan, Michigan for more information.

Concert in the Sun

...WITH 2-WAY WIDE-RANGE

Electro-Voice[®] MUSICASTER

all-weather high-fidelity speaker system

Now you can very easily set up a permanent or portable outdoor extension of your high-fidelity music system... for relaxed enjoyment. Take the MUSICASTER to the patio, or pool... and treat yourself, your family, your guests to the pleasure of a full concert or background music... or even the ball game.

Unique design of this compact, integral loud-speaker system ensures superb musical balance and clarity. Exceptional bass response is achieved through the back-loaded folded horn. High frequencies are smoothly and evenly radiated from the exclusive E-V Rubber Double speaker. Wide projection angle simplifies placement of the MUSICASTER for complete listening coverage.

All-weather performance is guaranteed by special silicentment of the cone assembly. The speaker is fully protected by the rugged aluminum aluminum housing... luxuriously finished in Moss-Tan baked enamel. You can set the MUSICASTER anywhere on its built-in rubber feet. Use the mounting bracket as a convenient carrying handle.

DOUBLE YOUR FUN WITH STEREO. You can add the excitement of stereo sound outdoors with a second MUSICASTER. Ideal combination of wide-range response and wide-angle dispersion gives you the startling realism of 3-dimensional reproduction.

E-V MUSICASTER High-Fidelity Speaker System. Response: 60-15,000 cps. Dispersion: 120°. Impedance: 8 ohms. Power handling capacity: 50 watts. Size: 20" x 12" x 4". Net Price, \$48. Accessory Model MB-1 Surface Mounting Bracket. For use, installation instructions on set each. List Price, \$4.95. Net Price, \$2.75

See it... Hear it... Enjoy it... on Money-Back Guarantee At Your E-V Franchised Dealer (see opposite page)

For Complete Information Write to Dept. 79-FF
ELECTRO-VOICE, INC. • BUCHANAN, MICHIGAN

Research-Engineered High-Fidelity Speaker Systems, Phono-Cartridges, Microphones, Sound Projectors, Communications Equipment, Marine Instruments, and other Electro-Acoustic Products.

Dynamic REALISM!

2, 3 AND 4 WAY SPEAKER SYSTEMS AND DRIVING UNITS

Electro-Voice ELECTRO-VOICE, INCORPORATED • BUCHANAN, MICHIGAN

Electro-Voice

664 VARIABLE D[®] HIGH-FIDELITY CARDIOID DYNAMIC MICROPHONE

Outperforms Any Other P. A. Cardioid — Or Your Money Back!

It took an entirely new concept, Variable D, to do it, but here it is... a broad, cast-quality microphone for every P. A. installation... every personal tape recorder... every radio amateur rig. The high-fidelity "664" is such a revolutionary improvement in the field that we can guarantee it to outperform any other P. A. cardioid... or your money back!

Uniform cardioid pattern gives high front-to-back discrimination. You get smooth, peak-free response at all frequencies from 20 to 15,000 cps, no harmonic tone coloration.

Exclusive, indestructible Acoustically Damped... a single moving element... withstands high humidity, temperature extremes, corrosive effects of salt air, and severe mechanical abuse. With the E-V "664" you are sure of dependable, long life operation indoors and outdoors.

Unobstructed, the E-V Variable D cardioid "664" permits highly directional sound activity, reduces pickup due to ambient noise and surrounding sounds, gives accurate, reliable pickup of voice and music. Highest sound level to feed back into the "664" gives you double working distance over conventional microphones. Proven first microphone to cut back the feedback loop.

ASK A BROADCAST OR RECORDING ENGINEER ABOUT E-V MICROPHONES

Model 664 Variable D Cardioid Dynamic Microphone. Volume: 100 db. Impedance: 150 ohms. Frequency Response: 20 to 15,000 cps. Dispersion: 120°. Power Handling Capacity: 50 watts. Size: 2 1/2" x 4 1/2" x 4 1/2". Net Price, \$48.00. Accessory Model MB-1 Surface Mounting Bracket. For use, installation instructions on set each. List Price, \$4.95. Net Price, \$2.75.

See it... Hear it... Enjoy it... on Money-Back Guarantee At Your E-V Franchised Dealer (see opposite page)

For Complete Information Write to Dept. 79-FF
ELECTRO-VOICE, INC. • BUCHANAN, MICHIGAN

Research-Engineered High-Fidelity Speaker Systems, Phono-Cartridges, Microphones, Sound Projectors, Communications Equipment, Marine Instruments, and other Electro-Acoustic Products.

ELECTRO-VOICE SCUBACOM

UNDERWATER VOICE COMMUNICATIONS

Now, diving can be even more fun and safer (makes commercial diving more productive, too)

"It's the greatest experience... ever!" Now... for the first time at a reasonable price... you can talk with your diving companions. Scubacom makes a great sport even more enjoyable... and infinitely safer.

To talk, you simply press a button. No warm-up period is required. It isn't necessary to direct the speaker toward the diver you wish to talk to. The sound waves carrying your voice are non-directional. To hear... all you have to do is listen! No receiver is needed. Scubacom permits conversations within a radius of 150 feet and it is fully operational up to 120-foot depths.

Nothing can take the place of speech for relating impressions, indicating findings, conveying instructions, or expressing warnings. And nothing can give the assurance of the voice... particularly to the untrained or to those requiring assistance. Nothing can handle the job like SCUBACOM!

System (complete)..... only \$210.00



1960s

FREE HOME DEMONSTRATION!

Enjoy a free demonstration of the remarkable Electro-Voice Model 643 in the comfort of your own living room. No cost or obligation. No fuss or muss, no coupons to fill out, and no salesman will call! All you do is flick a switch!

Turn on your TV set during the next presidential news conference. Any channel. Look closely and you may see what appears to be a "bazooka" on stage next to each TV camera covering the reporters. This is the E-V Model 643 dynamic Cardiline microphone, the most directional broadcast microphone on the market!

The 643's are up to 50 feet away from the reporters, yet the sound is clear and natural in quality... you can hear as well at home and sometimes better than the President himself! Compare this unobtrusive pickup with the conventional hand-held microphones or "cornfields" of microphones used in the past. A dramatic demonstration that the 643 reaches farther than any other broadcast microphone available!

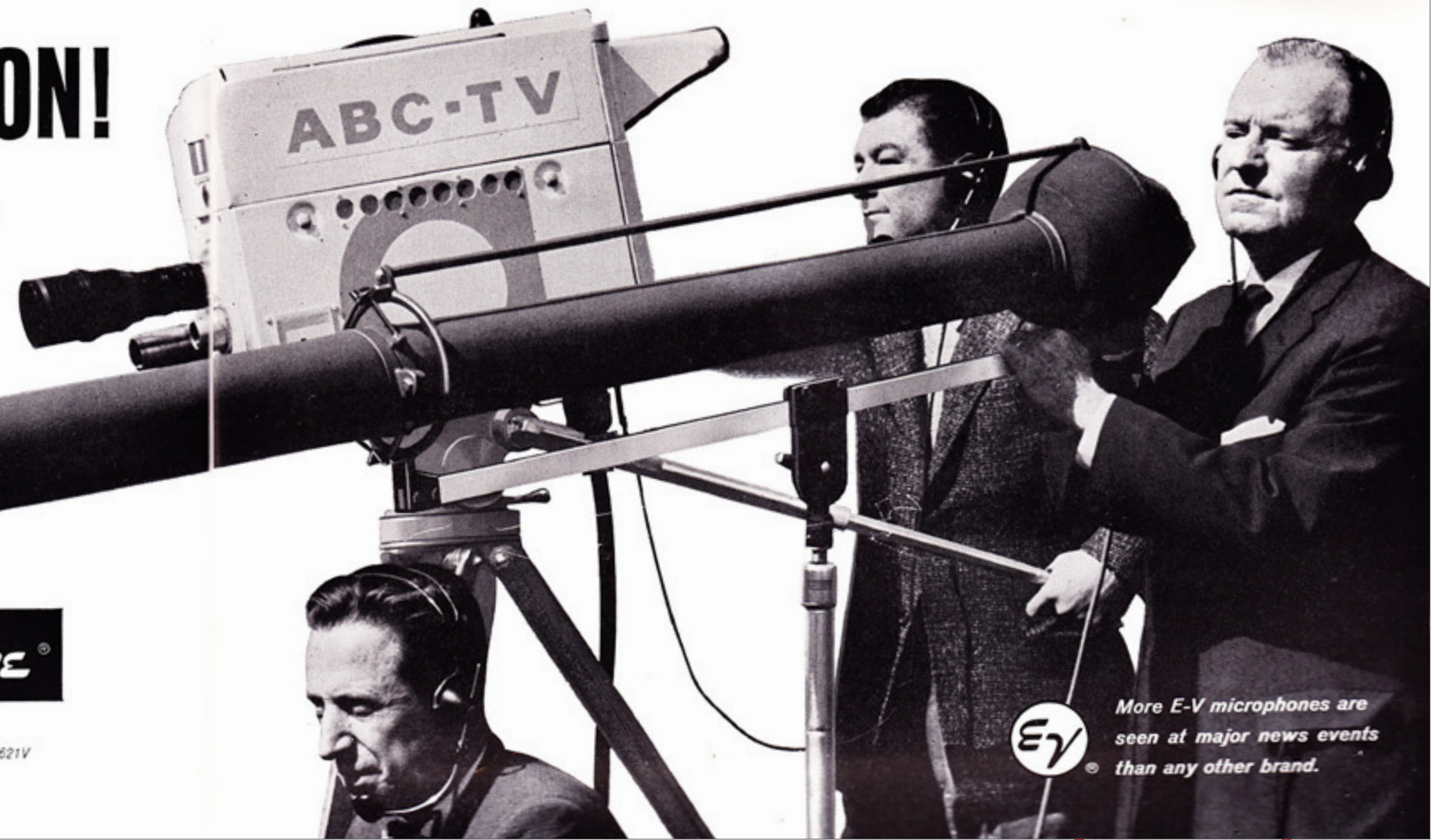
And there are plenty of other demonstrations. At football games and parades, 643's pick up marching bands with recording fidelity up to two city blocks away! In TV and film studios and on remotes the 643 delivers clean dialogue despite wind and noise that would spoil the "takes" from an ordinary microphone.

The E-V Model 643 is another example of the many positive contributions by Electro-Voice to professional sound pickup techniques. If your sound problems can be solved by a 7-foot microphone that "reaches" farther than any other, arrange now for a studio demonstration of the unique new 643. Ask your E-V professional microphone distributor for details today!

New 7-Foot Long
Electro-Voice
Microphone

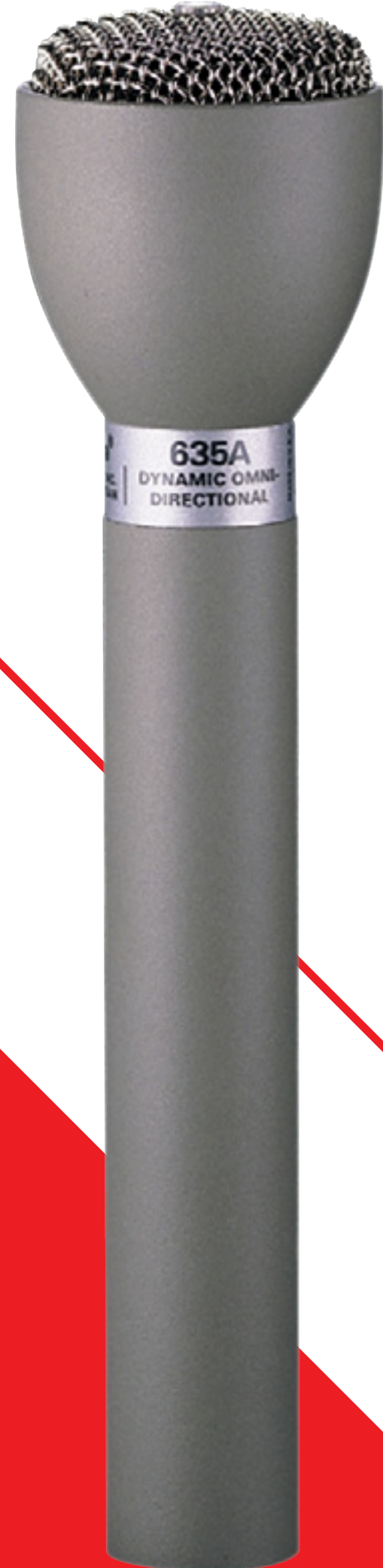
Electro-Voice

ELECTRO-VOICE, INC.
Commercial Products Division, Dept. 621V
Buchanan, Michigan



More E-V microphones are
seen at major news events
than any other brand.

635A



The Electro-Voice Model 642 Cardiline Microphone Earns

THE FIRST ACADEMY AWARD FOR MICROPHONE DESIGN IN 22 YEARS!

Today's movies, radio, TV and recording sound better, thanks to a microphone design that has revolutionized sound pickup techniques. It is the Electro-Voice Model 642 Cardiline® ultra-directional microphone.

The E-V 642 has contributed so much to motion picture sound that on April 8, 1963 it was presented the coveted Academy Award certificate by the Academy of Motion Picture Arts and Sciences—the first such award to a microphone in 22 years!

Film sound engineers found the unique 642 Cardiline design sharply reduced effects of noise and distance. They obtained clear, crisp sound under circumstances previously thought impossible.

The 642 is another major achievement by Electro-Voice in the art and science of electro-acoustics. This engineering leadership extends equally to professional and commercial sound, home high-fidelity recording and reproduction—yes to photograph studios and cartridges.

No matter what your interest in sound, look to Electro-Voice for the consistently superior engineering that means award-winning performance for you.

Electro-Voice
"ACADEMY AWARD-WINNING SOUND"

ELECTRO-VOICE, INC., Dept. 60-A, Buchanan, Michigan
Enter my subscription to "Microphone Mail", the FREE E-V newsletter on professional microphone engineering.

Name _____
Company _____
Address _____
City _____ State _____

This is a "limited" period offer. It also holds in the United States and Canada. Model 642 is available in other countries. Write for details. © 1963 E-V, Inc., Buchanan, Michigan



RE20



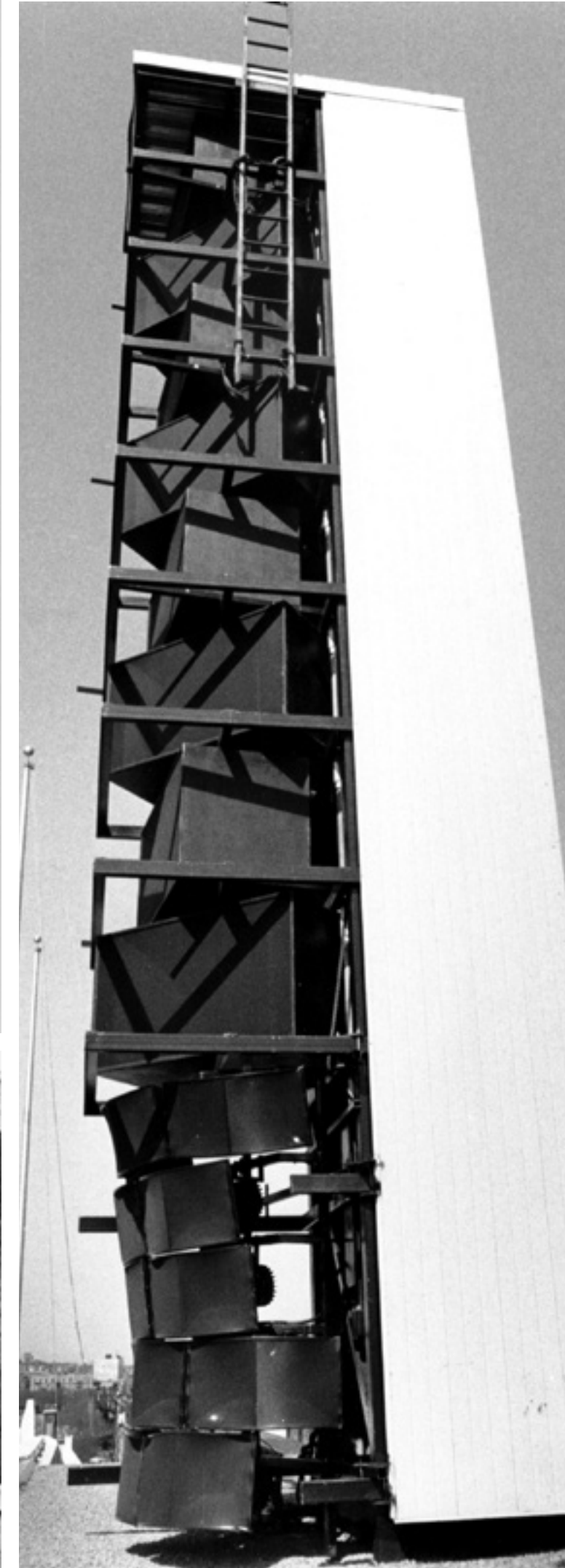
1970s

EV PRO-MUSIC COMPONENTS



EV Electro-Voice

YANKEE STADIUM



INTERFACE: A



ELIMINATOR

1980s



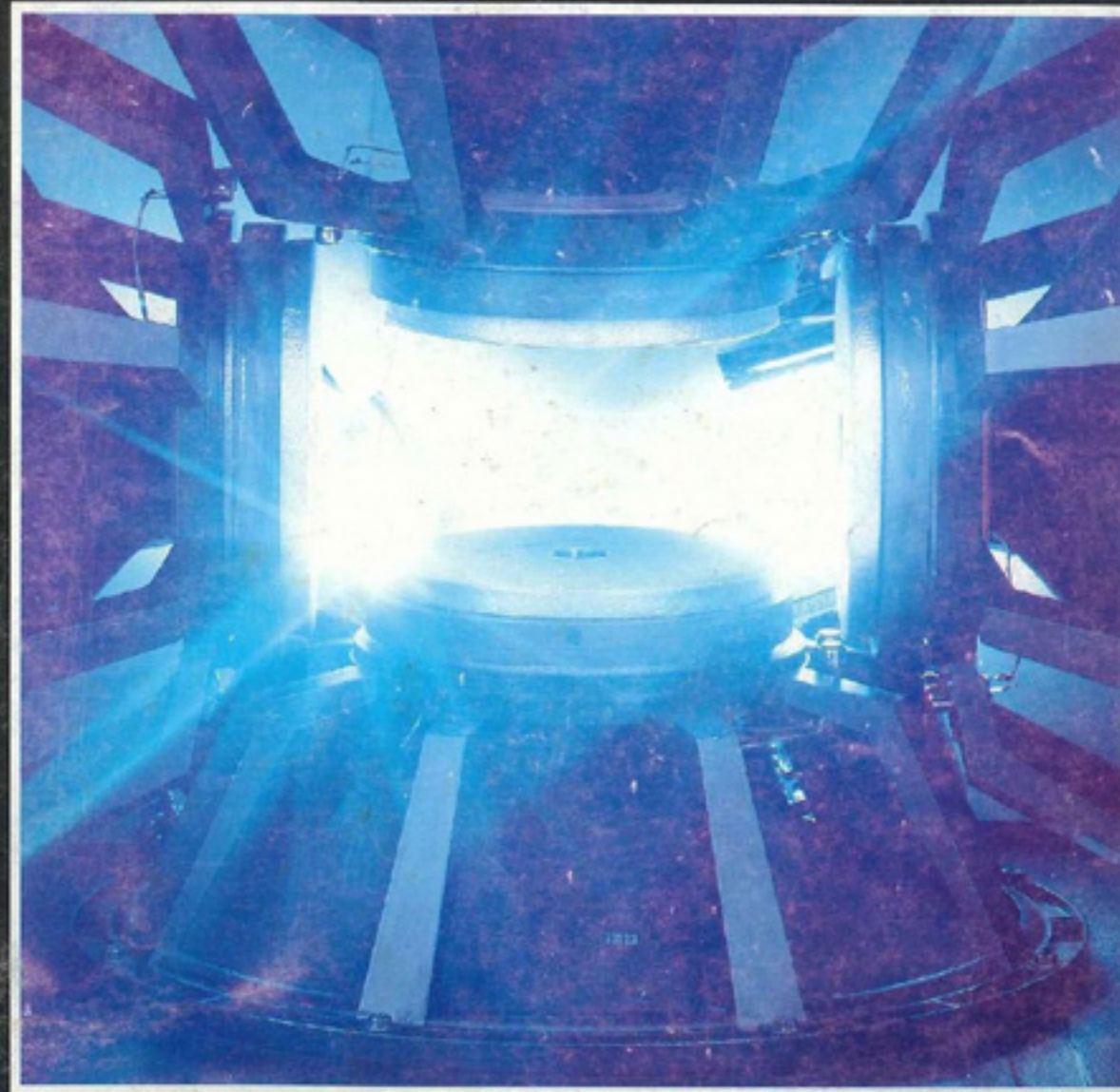
DAVE CARLSON

MT-4

MT-4 Concert Sound System



"When you put the MT-4 up against the so-called frontrunners and listen to it next to those processed systems, you thank somebody way up high that Electro-Voice chose to build this system with the right foundation as opposed to taking whatever components they could get and putting them into whatever box they could build and hoping to cure the problems electronically. This system is fundamentally right from the beginning . . ."



The MT-4 uses four speakers design, high-excursion 18-inch woofers in a radial manifold configuration.



Add a little mix to your future.

Upgrading your band's mixing capabilities is now easier and more affordable with our new 61PM Power Mix.
Weighing in at a mere 25 pounds, the 61PM is the smallest, lightest power mixer in its class.
A MOSFET amplifier delivers 200 watts into 4 ohms for plenty of headroom . . . and full compatibility with EV stage systems and NEOTM microphones.
Active-circuitry utilizes our patented PowerLock™ for protection from distortion and speaker damage . . . while a 9-band graphic EQ on the output and a 2-band channel EQ deliver optimum tone control.
It also has two individual sends on each channel, channel inserts, and separate inputs for other tape or CD.



Electro-Voice, Inc.
600 Canal Street • Buchanan, MI 48107 • 800-899-0012
In Canada:
Electro-Voice Inc. - Canada
200 Harbour Street • Cambridge, ON N2G 2Y1 • 416-390-2141



BK-32 SERIES

EV STEREO MIXING CONSOLES

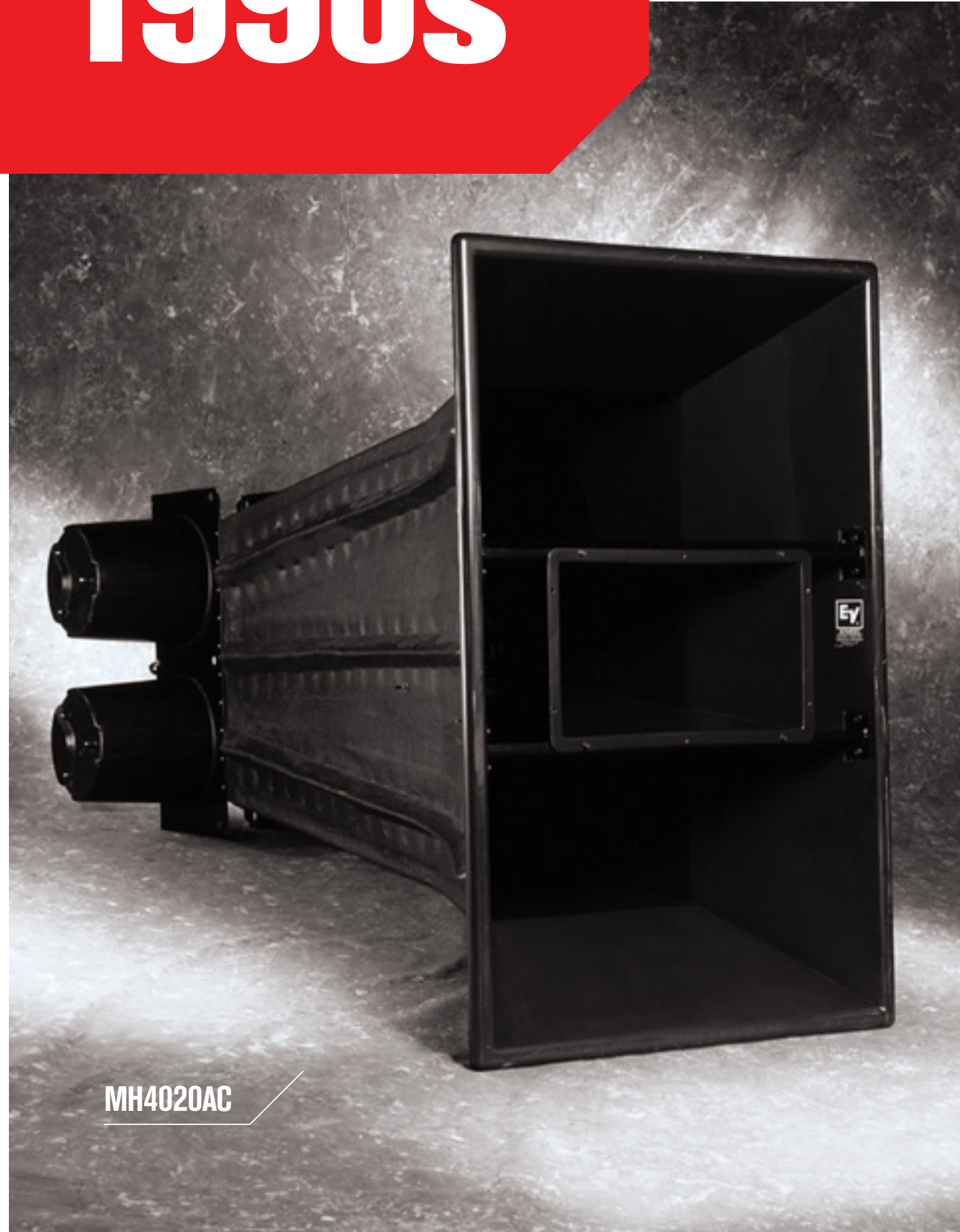
- BK-2432
- BK-1632
- BK-1232
- BK-832/RM

EV Electro-Voice

Theatre Sound Systems

1990s

CANADA GAMES 1997



MH4020AC



Sx300



SEE THE LIGHT

Discover the Electro-Voice GS-1000 Wireless Guitar System.

Jeff Healey needs no introduction. Clearly, he is the most innovative guitarist to come along in years. Yet until now his wireless system has required his choice of the Electro-Voice GS-1000. Using technology that goes further, the GS-1000 is the first true diversity wireless system designed specifically for guitar.

The GS-1000 combines the warmth of that "hard wired" sound, without the audio compromise of "wireless" associated with other systems.

The GS-1000 system features two independent RF stages which virtually eliminate the possibility of interference. It also incorporates the exclusive DMS™ (Diversity Mode System) providing easy operation and assured reproduction of any guitar sound.

Join the ever increasing list of serious musicians who have called the GS-1000 "the best wireless guitar system they have ever heard of" or "the best".

Electro-Voice dealers and find out why the GS-1000 clearly satisfies the competition.

For additional information, call or write:
 Barry Parks, Electro-Voice, Inc., 300 East Street,
 Buchanan, Michigan 48101 (810-956-6270)
 In Canada, Mark IV Audio Canada, Inc., 340 North
 Street, Scarborough, Ontario, Canada M1V 2Y1
 (416) 291-2143




World-class mics for a world-class drummer.

No one would dispute the fact that Billy Cobham is one of the world's foremost drummers. That's why he's chosen about the microphone he uses.

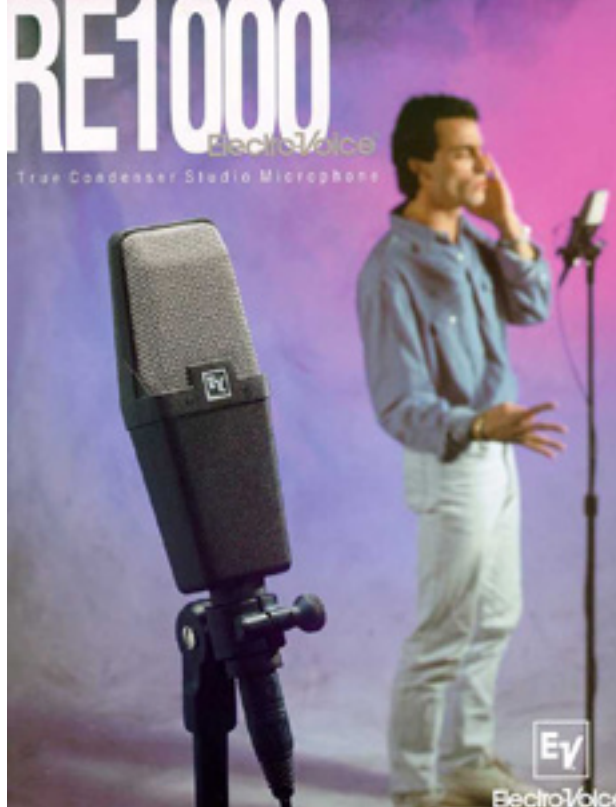

"I used RMD™ mics throughout my recent European tour, and their performance was excellent. What caught my ear was the consistency, full, accurate sound reproduction they delivered. Crisp highs... rich lows. Also, because of their unique shape, positioning was a snap. As far as I'm concerned, EV RMD™ mics are unequalled. They fulfilled the demands of the live stage after night."




RE1000

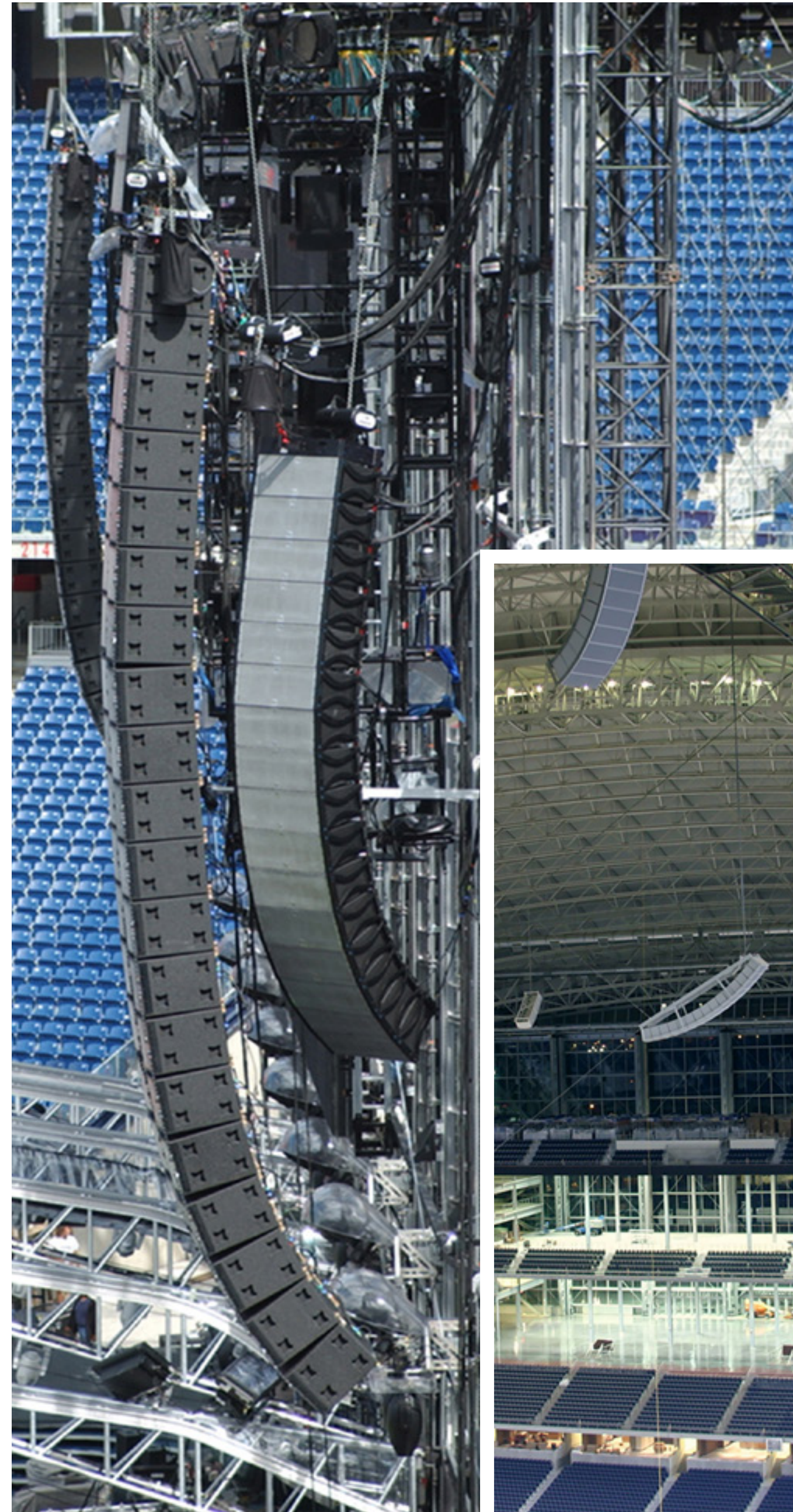
Best Voice

True Condenser Studio Microphone

2000s

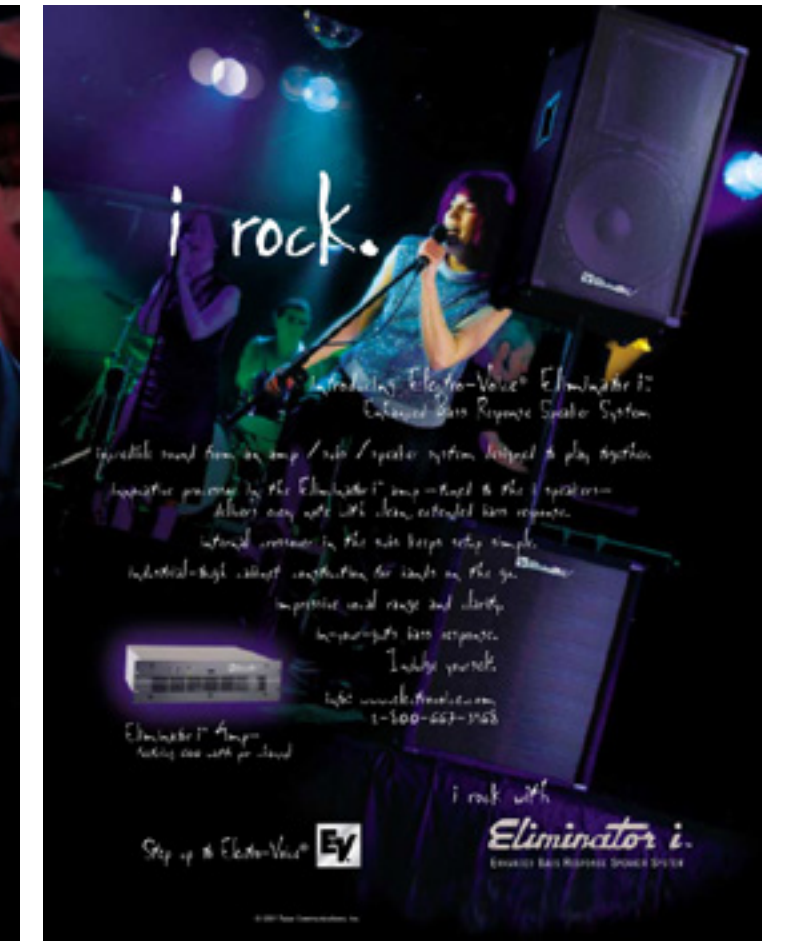
X-LINE



THE ROLLING STONES RIG 2002



DALLAS COWBOY'S STADIUM



THE ROOTS

on tour

with **EV**

The Roots Uses Electro-Voice® Microphones

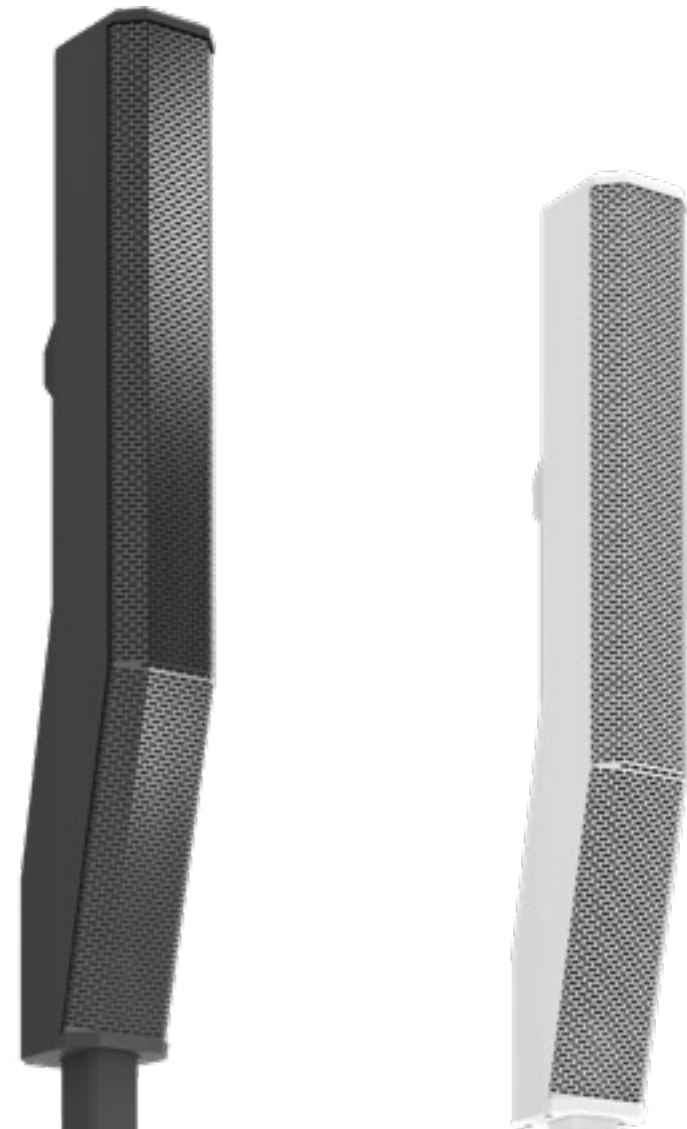
for more info:
www.electrovoice.com
1-800-392-3487

©2004 Telex Communications, Inc.

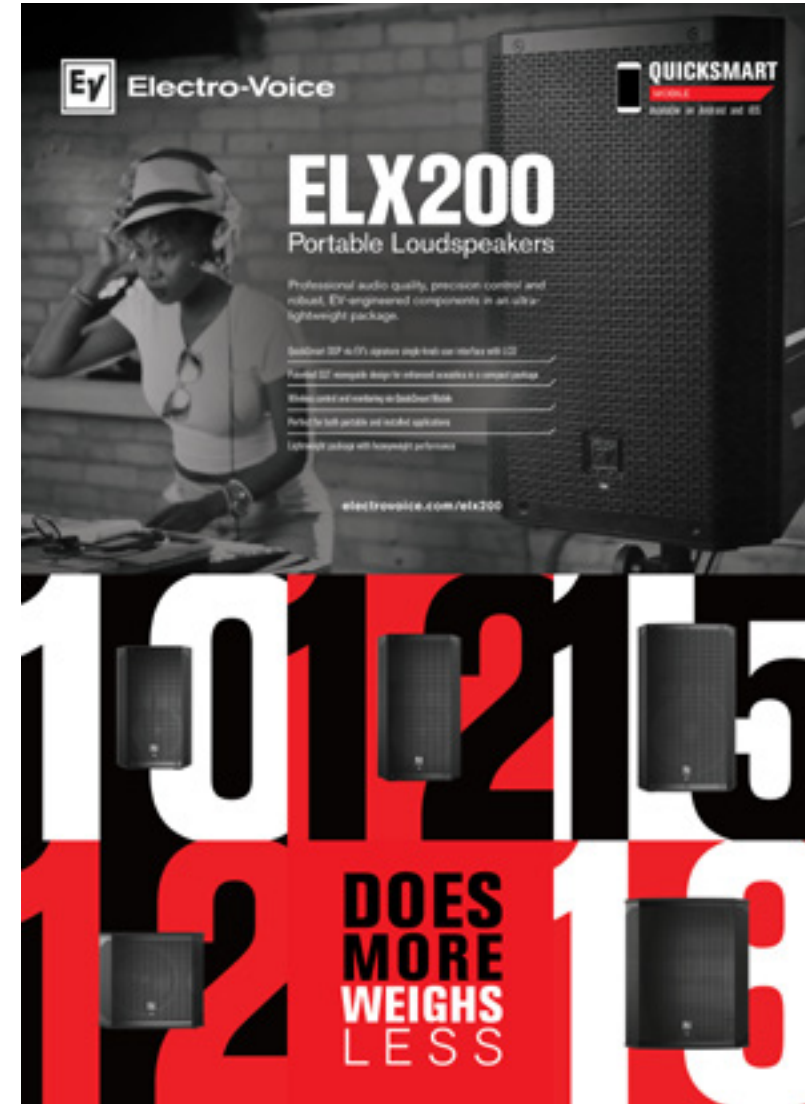
2010s



Electro-Voice



EVOLVE 50



ZLX



2020s

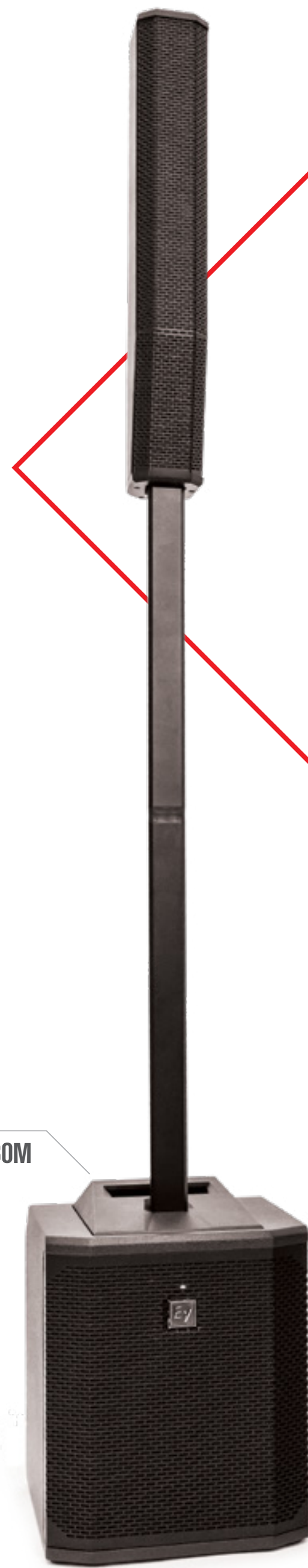
QUICKSMART MOBILE



X-LINE ADVANCE INSTALL



EVOLVE 30M



CORY WONG

