

RACE TRACK

SALEM, NEW HAMPSHIRE

Electro-Voice®



Rockingham Park Race Track

PROBLEM

To cover a race track with high quality sound in all areas including a grandstand, restaurants, lobbies, and open areas.

SOLUTION

- 56 Musicasters
- 15 Model 848 diffraction horns
- 2 Model 664 microphones

COMMENTS

Along with microwave antennas, closed-circuit television, moving stairs, and surrey service from the parking lots, public address has an important part in the smooth operation of Rockingham Park, the handsomely re-

modeled, historic race track at Salem, New Hampshire in the picturesque foothills of the White Mountains.

This year, for its 30th anniversary, Rockingham Park went through a two-million-dollar major face-lifting and drew upon the finest equipment and engineering in all phases of construction and electronics to serve its patrons.

The fans may not realize it, but the smooth, clear-sounding outdoor and indoor public address system in the remodeled plant has added considerably to their enjoyment of watching some of the nation's top jockeys riding the crack colts and fillies.



Center Section of
Grandstand Mezzanine

Installed by the ORTH-TEC Corporation of Salem Depot, New Hampshire, the unique public address system at Rockingham is completely new in the grandstand, mezzanine, bleachers and the front apron near the track. Over one hundred separate loudspeakers are connected together from the stable area to the grandstand and to the radio booth. Twenty-eight Electro-Voice Musicasters® are installed in the grandstand mezzanine and lobby promenade where the fans gather indoors below the stands to place their bets at the new "bank-type" mutuels facilities windows. The restaurants and refreshments stands in the popular mezzanine also have the same Musicasters installed.



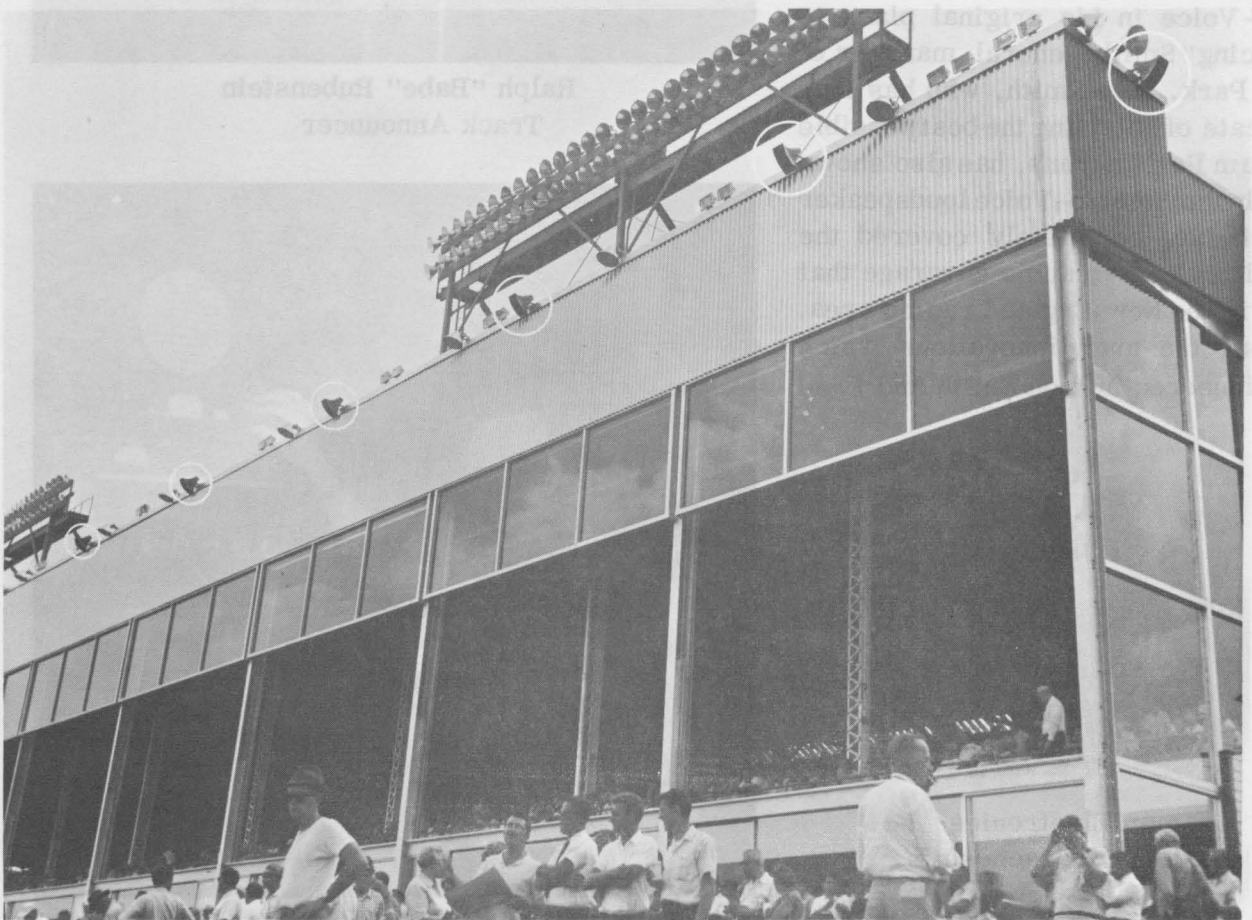
Main
Grandstand
Section

With the new construction, the grandstand has been increased in size to 80 by 460-feet, raising the spectator capacity by 8,000. High above in the steel girders of the glass enclosed grandstand are twenty-eight Musicasters, paired together to give full audio coverage to the cheering fans in the stadium. These high-quality and weatherproof speakers have

a dual (indoor-outdoor) function because for the spring and fall racing seasons the grandstand can be completely enclosed. Stretching across the front is a vast expanse of glass--almost 500-feet of it--which may be rolled up or down. At all times the Musicasters are able to provide perfectly engineered sound.



Enclosed
Grandstand
Section



The masterpiece of the Electro-Voice loud-speaker system is the fifteen-horn installation at the top of the grandstand roof, facing the race track and the wide open spaces of the track. Electro-Voice CDP® horns project into the open grounds the acoustically clear

voice of the track announcer, Ralph "Babe" Rubinstein. Even with 25,000 fans creating a hurricane roar as each race nears the finish line every fan in the open spaces is kept in voice contact with the race.

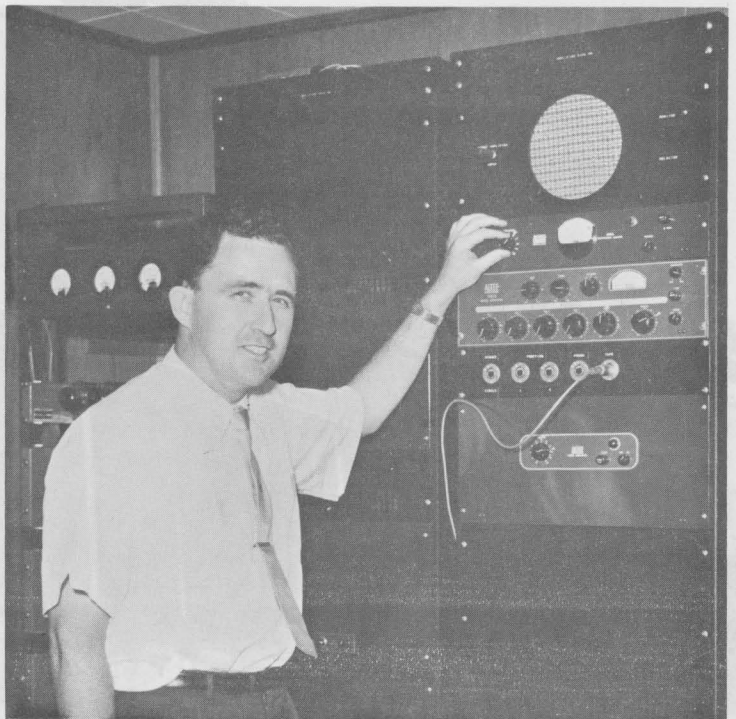


Rockingham's new public address system connects to the radio and television booths high atop the stands, where Fred Connors, the engineer behind the sound system, controls and maintains the vast array of electronic equipment.

Mr. Connors, president of ORTH-TEC Corp., and specialists in race track sound installations, engineered the public address, background music systems and closed circuit television. He says, "An increasing number of race tracks in New England are finding that acoustically clear public address systems improve the fans' racing enjoyment, cut expenses in maintenance, and help the general efficiency of the overall system." These are some of the reasons why Fred Connors specified Electro-Voice in his original plans to Lou "Mr. Racing" Smith, general manager of Rockingham Park. Lou Smith, who has long been an advocate of obtaining the best possible for Rockingham Park patrons, has also shown his pleasure in the Electro-Voice loudspeaker system which has completely covered the track's facilities with an audio coverage that has no equal in the New England racing area. This is among the many innovations which have been pioneered by Lou Smith and Fred Connors.



Ralph "Babe" Rubenstein
Track Announcer



Fred Connors, President
ORTH-TEC CORPORATION
Designer & Installer

Distributor: Cramer Electronics
Boston, Massachusetts

Sound Design Engineer and Installations Company
Fred Connors, President
ORTH-TEC CORPORATION
Salem Depot, New Hampshire



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