



LOU BURROUGHS

MICROPHONE FACTS

for the operating engineer

from *Electro-Voice*®

ELECTRO-VOICE, INCORPORATED
BUCHANAN, MICHIGAN 49107
616/695-6831



PAUL FRANKLIN

September, 1963

E-V FIELD ENGINEERING EXPANDS

By Lou Burroughs

As you see, the letterhead has been altered and a new face has been added. The new face is that of Paul Franklin, Chief Field Engineer for professional microphones and equipment.

In the past, it has been impossible for me to contact more than a comparative few of you involved in the use of professional equipment. With the addition of Paul Franklin, a great many of you who have not seen anyone from the factory will be hearing from Paul or he will be dropping in to see you.

When you meet Paul in person, he will be contacting you, not in the capacity of a salesman but as an engineer, primarily interested in your microphone problems and their solution, how our products are performing for you, what we can do to improve them. Of course he will be looking for ideas for new products.

As far as I am concerned, my work will not change, those of you I have been calling on in the past, I will continue to see in the future.

Since there will be several of us writing for MICROPHONE FACTS, beginning with this issue, my signature at the end of the letter will be eliminated and in its place, a by-line for each article will be used to identify the author.

BROADCASTING THE INDIANAPOLIS 500-MILE RACE

By Lou Burroughs

The following letter by Clifford H. Luke, Chief Engineer of Radio Station WIBC, is so complete that it requires no explanation.

Stepping into the position of Chief Engineer only a few months ago, Mr. Luke faced, for the first time this year, the total responsibility for the technical side of this undertaking. Its striking success can only be a tribute to his progressive, imaginative approach. We are happy that Electro-Voice microphones were used exclusively for this broadcast and proud of their performance under these trying conditions.

WIBC

WIBC, INC. • R. M. FAIRBANKS, PRESIDENT AND GENERAL MANAGER

INDIANA'S FIRST 50,000 WATT STATION • 1070 ON THE DIAL

2835 NORTH ILLINDIS ST. • INDIANAPOLIS 8, IND. • PHONE WALNUT 4-2661

June 12, 1963

Mr. Lou R. Burroughs, Vice President
Broadcast and Recording Equipment
Electro-Voice, Inc.
Buchanan, Michigan

Dear Lou:

I am sure you will be interested to know the microphone set up which we used to pick up the Indianapolis Motor Speedway 500 Mile Race on May 30, 1963.

This is the World's largest single event network, consisting of 562 Stations in United States and Canada, the Radio Worldwide network with a possible 280 outlets covering Latin America, plus the Armed Forces Radio Service serving around the world, and is a continuous four and one-half (4½) hour broadcast.

A broadcast pick-up of this nature has much to compete with in the line of noise. Thirty three roaring cars, an excited crowd of an estimated 300,000 people, and a public address system of 8,000 watts creates an extremely high noise level with which one must contend, and overcome to produce a clear and audible broadcast suitable for a world-wide network.

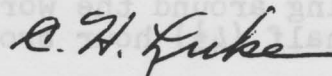
Three announcers were located in the Pits, just a few feet from the cars, when they make their pit stops. Five announcers were located on the outer wall of the track, against which, many times, the cars collide. The chief announcer, his color and technical men were located in the control tower just above the starting line. From these locations you can understand that noise was everywhere.

We used Electro-Voice microphones exclusively for this pick-up. The Model 654-A Slim Trim Broadcast Dynamics were used in the Pits, on the Starting Line and in Victory Lane. The Differential Dynamics, Model 606, mics were used by the announcers on the track wall, one on each turn and one in the middle of the back-stretch. The color and technical men in the control tower used the Super-Cardioids, Model 666, while the Chief Announcer used a Model 646 Lavalier Dynamic mounted on a chest plate.

We were very well pleased with the performance of all the microphones and were able to subdue the noise to a point of getting the announcers voices thru clear and distinct with out the overloading as on previous occasions.

We have received, to date, many favorable comments as to the technical quality of the pick-up and wish to express our thanks to you for your part and assistance on the microphones.

Sincerely yours,



Clifford H. Luke
Chief Engineer