

# MUSIC IS ON TAP NOW OVER NEW YORK 'PHONES

Ragtime and Grand Opera Made  
to Flow from Transmitters.

## OR AN ARC LIGHT WILL DO

Directors of Company Give Two Novel  
Demonstrations of Dr. Cahill's  
Dynaphone.

Officers of a company which plans to furnish music on tap to any person in New York or Hoboken or Hohokus, N. J., who has a telephone handy had a dinner and demonstration last night at the Café Martin. They furnished their special brand of music for the occasion, and some of it was positively hair-raising because of its novelty.

The main plant which disseminates the melodious art is called the dynaphone, and is the invention of Dr. Thaddeus Cahill. He spent fourteen years in his experiments before perfecting what his press agent says is the biggest musical instrument on earth. Last night's public demonstration seemed to prove that the dynaphone has it on either Mr. Edison's machine or the singing trees of Africa in the way of being something downright startling.

You can hear the dynaphone play over a telephone wire if you've got a megaphone in the house, and if somebody's borrowed your megaphone all you've got to do is to hitch the wires to the arc light on the corner near the grocery and the dynaphone will jiggle music out of the carbons with perfect indifference.

Those who saw the dynaphone people give the little musical entertainment last night, using both the telephone and electric carbon lamp, decided that Dr. Cahill has come as near to hitching his wagon to a star in inventive fields as anyone since Edward Bellamy began to dream. He at least made music by hitching wires to an arc light.

The big instrument and keyboard are at 1,412 Broadway, the instrument itself, a giant switchboard attached to a powerful motor, being in the basement of the building.

The first air, "It's Nice to Have a Sweetheart," took the Directors of the company rather aback, because it was like hearing one's lady love singing while suffering from bronchitis. F sharp positively shrieked. There was consternation on the faces of the guests until it was found that the diaphragm of one receiver was imperfect. Another was substituted and the banquet hall was filled with the melody of a Norwegian lullaby, chiming bells, and the many sounds of various musical instruments.

The tones resemble those of a great organ. Tones of the flute, trumpet, French horn, trombone, violin, and violoncello are also easily distinguishable.

After the concert at the Café Martin the Directors and invited guests went to the Broadway headquarters, where a surprise was in store for them.

For years the "singing" of the arc light has been spoken of by electricians, each light having its particular note. Yesterday, on the suggestion of Electrician Morgan, one of the younger employes, the vibrations, varying from 14 to 5,000 a second, were turned into the two carbons of an arc lamp, and the flying particles, as is the theory, gave out clearly the notes and all the harmonics, singing through the range of the octaves.

The men behind the company, who are in it not for music, but the money it may bring them, immediately speculated on the profit of furnishing music in the great department stores, in factories, and other places where the labor of many employes might be "lightened" by songs such as "Wouldn't That Be a Dream?" and grand opera.

The inventor worked on the principle that the alternations of the electric current could be made to correspond to the vibrations producing musical tones.

The dynaphone itself in operation is absolutely silent except for the metallic click when circuit connections are made, but this is in the basement and can not be heard on the wire. The sounds produced are through the numbers of vibrations with which the wire is charged that excites the diaphragm of the telephone receiver to melody.