

One **Charles F. Brush *1849-1929*** Charles Francis Brush born 1849 - Euclid, Ohio and a grad of U of Michigan in 1869 returning to Cleveland as a mining engineer. He served as an analytical chemist from 1870-1873 then began experimentations with electricity.

He married Mary Morris in 1875 the union had two daughters and a son Charles Jr. By 1877 he devoted all of his time to study of electricity. The Brush electric dynamo and the Brush Electric Arc light were his best inventions.

Brush has it!

MIKES AND PHONES THAT ARE "CRYSTAL CLEAR"

HAND OR DESK MICROPHONE (BA-116)



Rugged dependability and uniform frequency response. Unbeaten in its price range for PA, home, institutional and industrial use. Use in hand or on desk without need of stand. But also equipped for use with standard 5/8" 27 thread stand. Brown metallic finish, 8' cable. List, \$14.75.

"VIBROMIKE" (VM-1)

Miniature contact-type microphone with unusually wide frequency response, 7/8" x 1/4" x 3/8". Output volume from .05 to .1 volt or higher. Complete with mounting clamp and 25' cable. List, \$19.50.



NEW MICROPHONE (BA-109) FOR PA, HOME AND AMATEUR

A beautiful new microphone for applications that require natural reproduction of both music and voices. Uses an advanced development of the "Acoustical" cartridge pioneered by Brush. Pickup pattern non-directional in the horizontal plane. Essentially flat frequency response from 40 to 10,000 cps. Designed for use with 5/8" 27 thread stand. Finished in maroon plastic and brushed chromium List, \$22.50.

GENERAL PURPOSE MICROPHONE (BA-106)



Using the exclusive "Acoustical" cartridge. Vibration, shock, low frequency wind noise or humidity do not affect the high fidelity. Excellent for general use. Output level minus 50 db, below 1 volt/bar List, \$19.75.

LAPEL MIKE (BL-2)

Virtually flat response. Small and rugged. Can be used as hand or instrument mike, as well as lapel. 1 1/2" x 2 1/4". Complete with 25' cable. List \$25.00.

Monitor with a Brush Phone



High Fidelity Model "A-1", \$18.00



Model "A" general purpose, \$12.00



Model "A" single phone, \$4.95



Model "A" lapel phone, \$9.25



"BA-30" headphones \$5.75

You can get it!

THE BRUSH DEVELOPMENT COMPANY
3405 Perkins Avenue • Cleveland 14, Ohio

Brush products are distributed all over U. S. A. If your own radio parts jobber does not have it, write to us and we will send you name of nearest jobber.

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In 1879 Brush made Cleveland history by lighting Monumental Park (Public Square) with 12 arc lamps. The Brush Electric Company was formed in 1880 and thus Brush's great success.

Philanthropy was important to C.F. Brush, as he supported countless societies, churches and scientific organizations, as well as endowing the controversial "Brush Foundation" for the study of Eugenics. The idea of this foundation arose out of the great personal tragedy, when within a week he lost both his granddaughter and his son to blood poisoning. (See Charles Jr. Information)

Charles Brush won many awards, including the French legion of Honor, Rumford Medal, Edison Medal, Franklin Medal and three honorary doctorates. He was a leader in the community and much respected in the field of science. Partially scripted library.case.edu.

In 1919 Charles Brush Jr., formed a small research lab with the object of improving record sound thru piezoelectric crystals. His death in 1927 prevented him from witnessing laboratory production of clear crystals and their perfection of such products in phono pickups, microphones and headphones. Here is to "The Brushes" - Being a Buckeye I enjoy Tributes to Ohio people, I hope this has meaning to you as well as it had for me.