

DATE: April, 1939

SUBJECT: Model 7A Crystal Microphone

NEW SHURE MODEL 7A

STREAMLINED, ECONOMICAL, GENERAL-PURPOSE CRYSTAL MICROPHONE

**GENERAL:** Pressure-operated, with high quality response characteristic and typical semi-directional pickup. Grafoil Bimorph crystal, fully moisture proofed.

**APPLICATIONS:** For voice and music reproduction. Suitable for low cost P.A. systems, call systems, amateur 'phone transmitters and similar applications.

**INSTALLATION:** 5/8"-27 thread for standard desk and floor stand mounting.

**CONNECTIONS:** Furnished complete with 7 ft. single-conductor shielded cable. The inner conductor is connected to grid side of input circuit, "shield" to ground. Cable length may be extended if desired.

SPECIFICATIONS

**Dimensions:** Diameter of case, 2-3/8". Length overall, 2-7/8".

**Finish:** Satin Chrome

**Weight:** Net weight, 3/4 lb., less cable. Shpg. wt., 1-1/4 lb.

**Output Level:** Average level, 53 db below 1 volt per bar at end of 7 ft. cable.

**Recommended Load** 1/2 to 5 megohms. Low frequency response is best with high terminal resistance. For communications and call systems,

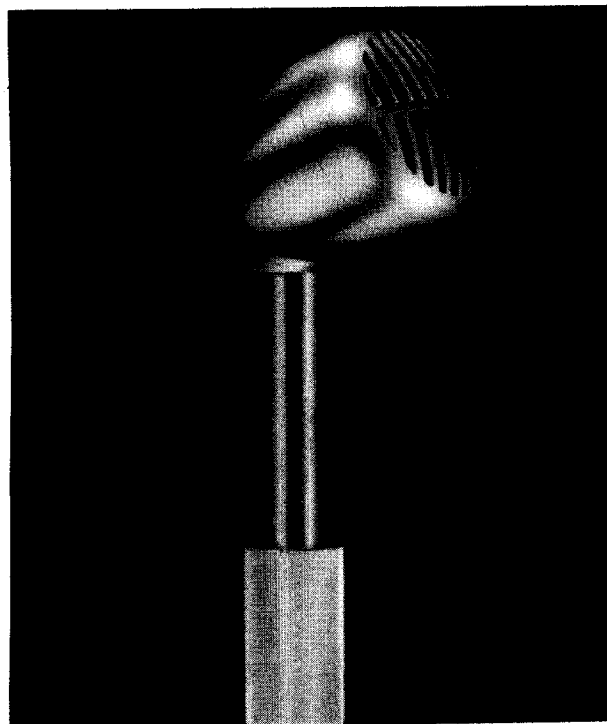
**Impedance:** a load of 1/2 megohm is suggested for crisp, high-intelligibility speech reproduction.

**PRECAUTIONS:** Check connections carefully. Make certain that microphone is not accidentally plugged into power supply or loud-speaker circuits. When used in connection with a radiotelephone transmitter, use minimum cable length and connect cable shield to a good ground.

Crystal microphones should not be used or kept in places where the temperature exceeds 125° F.

**GUARANTEE:** Each microphone is guaranteed to be free from electrical and mechanical defects for a period of one year from date of shipment from the factory, provided all instructions are complied with fully. In case of damage, return the microphone to the factory for repairs. Our guarantee is voided if the microphone case is opened.

**License Notice:** Shure patents pending. Licensed under patents of the Brush Development Company.



NOTE THESE FEATURES

- \* Engineered at "Microphone Headquarters"
- \* Big Performance at Small Cost
- \* Convenient Small Size
- \* Rugged Cast Case
- \* Beautifully Streamlined
- \* Rich Satin Chrome Finish
- \* Genuine Bimorph Grafoil Crystal
- \* Crystal Fully-Moisture-Proofed
- \* High-quality Low-Capacity Cable

**MODEL 7A.** Crystal Microphone. Complete with 7 ft. shielded single-conductor cable. Satin chrome finish. Code: RUDEP

List Price. . . . . \$16.50