LONG PLAYING STEREO RECORD ALBUM
CAPITOL RECORDS INC.

N.Y. PHILHARMONIC  LEONARD BERNSTEIN, Cd.
ISAAC STERN, VIOLIN AT COLUMBIA RECORDS

SELECTED EVERY TIME...FOR QUALITY & DEPENDABILITY
NEUMANN

U-47a and U-48a
Microphone Systems

These microphones have become the standard of the
American Recording, Broadcasting, and Film industries,
and are the only condenser microphones in their price
range featuring a switchable directional characteristic.

- Frequency Range: 30-20,000 cps
- Output Impedance: 50 / 200 ohms switchable
- Field Pattern: Switchable non-directional or
cardioid
- Non-linear distortion: less than 0.9% entire range to 110 dB absolute
- Dimensions: Microphone: 2 1/2" dia.; 8" length. Power supply: 8 1/2” x 4” x 4 3/4”
- Weight: Microphone: 1 1/2 lbs. Power supply: 4 lbs.
- Operate on 115 volt 40-60 cycles.

Complete microphone systems consist of microphone, power supply (type NG), interconnect cable (type UC-3), Z-37 full elastic suspension, AC power cable, U. S. fuse holder, pilot light, power connector and XLR output receptacle with mating cable connector. See price schedule for system makeups available.

U-48a System  Same as above but Field Pattern selectable either bi-directional or cardioid.

NEUMANN

M-49b
Remote Control Directional-
Pattern Microphone System

Fast becoming a favorite in international broadcasting, this microphone permits remote control of the directional characteristic. A smooth, continuous fader-control selects any of the basic directional patterns (non-directional, bi-directional, and cardioid) and any intermediate pattern. Wide frequency response with extremely low distortion, a slight rolloff of frequencies below 40 cycles to prevent shock-noise interference, and extreme ruggedness, make the M-49b the ideal "work-horse" for studio and remote recording, as well as single-mike picks up from concert halls.

- Frequency Range: 30-20,000 cps
- Output Impedance: 50 / 200 switchable
- Field Pattern: Continuously variable through all characteristics—omni-directional, cardioid and figure-eight and all intermediate pattern configurations
- Non-linear distortion: less than 0.3% entire range to 110 dB absolute.

Complete microphone system consists of microphone, power supply (type NW-48), interconnect cable (type G-26), AC power cable, XLR output connector, and MZ-49 swivel mounting harness.
This miniature condenser microphone is one of the latest

**NEUMANN**
KM-53a, KM-54a & KM-56
Miniature Condenser Microphone System
(KM-56—shown at left)

This miniature condenser microphone is one of the latest
to join the precision Neumann line. Its quality is in
every way similar to the U-47 series, but its dimensions
are amazingly miniaturized.

- **Frequency Range**: 30-20,000 cps
- **Output Impedance**: 50/200 ohms (must be
  specified in order)
- **Field Pattern**: Switchable on microphone:
  non-directional, bi-directional, and cardioid
- **Non-linear distortion**: Less than 0.4% entire
  range to 110 db absolute
- **Dimensions**: Microphone: 1" dia., 6" length.
  Power supply: 8 1/2" x 4" x 4 1/2"
  Weight: Microphone: 4 oz.
  Power supply: 5 lbs.
  Operates on 115 volt 40-60 cycles.

Complete microphone system consists of microphone, power sup­ply (type NKM), interconnect cable (type KC-1), Z-38 full elastic suspension, AC power cable, U. S. fuse holder, pilot light, power connector, and XLR output receptacle, with mating cable connector. See price schedule for system makeups available.

**KM-54a Miniature Condenser Microphone System (shown at right)**
Same as above but ultra-cardioid directional pattern only.
Length: 4 1/4".

**KM-53a Miniature Condenser Microphone System (not shown)**
Same as above but non-directional pattern only. Length: 4 1/2".

**NEUMANN**
Type SM-2 Miniature
Stereo Double Microphone System

This latest addition to the condenser microphone field comprises
two separate and complete condenser microphones and their
respective preamplifiers in the same miniature housing. The two
condenser capsules are mounted one above the other, the top
one being rotatable to achieve the M-S Stereo Recording Tech­
nique (also known as intensity stereo). Each of the two micro­
phone systems can be separately switched to any pattern (non­
directional, bi-directional, and cardioid) or any one of six inter­
mediate patterns. Specifications identical to KM-56 microphone
with addition of extreme balance between systems, and numerous
intermediate directional patterns.

- **Dimensions**: Microphone: 1 1/4" dia.,
  6" length.
  Power supply: 8 1/2" x 4" x 4 1/2"
  Weight: Microphone: 9 1/2 oz.
  Power supply: 6 lbs.
  Operates on 115 volt 40-60 cycles.

Complete microphone system consists of microphone, power sup­ply (type NSM), inter-connect cable (type SC-11) with Z-42 full elastic suspension, AC power cable, XLR Cannon output connectors. U. S. standard pilot light, fuse holder. AC receptacle.
## NEUMANN MICROPHONE PRICE SCHEDULE

<table>
<thead>
<tr>
<th>MICROPHONE SYSTEM DESIGNATION</th>
<th>MICROPHONE UNIT</th>
<th>POWER SUPPLY</th>
<th>INTERCONNECT CABLE</th>
<th>SUSPENSION</th>
<th>MICROPHONE STAND</th>
<th>BROADCAST NET PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U-47 “Standard”</td>
<td>U-47a</td>
<td>NG</td>
<td>UC-4 (15')</td>
<td>—</td>
<td>—</td>
<td>$335.00</td>
</tr>
<tr>
<td>U-47 U-48 “Studio”</td>
<td>U-47a U-48a</td>
<td>NG</td>
<td>UC-3 (25')</td>
<td>Z-37 elast.</td>
<td>—</td>
<td>$355.00</td>
</tr>
<tr>
<td>U-47 “Stereo Standard”</td>
<td>U-47a</td>
<td>NG</td>
<td>UC-2 (25')</td>
<td>Z-37 elast.</td>
<td>—</td>
<td>$595.00</td>
</tr>
<tr>
<td>U-47 48 “Stereo Standard”</td>
<td>U-47a U-48a</td>
<td>NG</td>
<td>UC-3 (25')</td>
<td>Z-37 elast.</td>
<td>—</td>
<td>$695.00</td>
</tr>
<tr>
<td>U-47 48 with Stand</td>
<td>U-47a U-48a</td>
<td>NG</td>
<td>UC-3</td>
<td>—</td>
<td>M-72</td>
<td>$485.00</td>
</tr>
<tr>
<td>M-49b “Remote Control”</td>
<td>M-49b</td>
<td>NN-48a</td>
<td>C-26</td>
<td>MZ-49</td>
<td>—</td>
<td>$495.00</td>
</tr>
<tr>
<td>M-50b “Single Mike”</td>
<td>M-50b</td>
<td>NN-48a</td>
<td>C-26</td>
<td>MZ-49</td>
<td>—</td>
<td>$520.00</td>
</tr>
</tbody>
</table>

### KM-MINIATURE SERIES

| KM-53a “Standard”             | KM-53a         | NKM          | KC-1               | SG-5       | —               | 390.00              |
| KM-54a “Standard”             | KM-54a         | NKM          | KC-1               | SG-5       | —               | 410.00              |
| KM-56 “Standard”              | KM-56          | NKM          | KC-1               | SG-5       | —               | 440.00              |
| KM-53a “Studio”               | KM-53a         | NKM          | KC-1               | Z-38 elast.| —               | 415.00              |
| KM-54a “Studio”               | KM-54a         | NKM          | KC-1               | Z-38 elast.| —               | 435.00              |
| KM-56 “Studio”                | KM-56          | NKM          | KC-1               | Z-38 elast.| —               | 465.00              |
| KM-53a “With Stand”           | KM-53a         | NKM          | —                  | —          | M-31b           | 425.00              |
| KM-54a “With Stand”           | KM-54a         | NKM          | —                  | —          | M-31b           | 445.00              |
| KM-56 “With Stand”            | KM-56          | NKM          | —                  | —          | M-31b           | 475.00              |

### STEREO MICROPHONES

| SM-2 “Stereo Standard”        | SM-2           | NSM          | SC-2               | —          | —               | 795.00              |
| SM-2 “Stereo Studio”          | SM-2           | NSM          | SC-1               | Z-37 elast.| —               | 815.00              |

| MM-3 “Calibrating Std.”       | MM-3           | NM           | C-26               | Z-37 elast.| —               | 525.00              |
| MM-3u “Calibrating Std.”      | MM-3u          | NM           | C-26               | Z-37 elast.| —               | 550.00              |
| MM-5 “Calibrating Std.”       | MM-5           | NM           | C-26               | Z-37 elast.| —               | 575.00              |
| MM-5u “Calibrating Std.”      | MM-5u          | NM           | C-26               | Z-37 elast.| —               | 600.00              |

### ACCESSORIES

All POWER SUPPLIES are equipped with American fuse holders—pilot lights—Cannon XLR-3-32 output receptacles—and AC power socket. Mating Cannon XLR-3-11 connector and molded AC cord is supplied. UNCONDITIONAL ONE YEAR GUARANTEE CERTIFICATE, instruction manual and full schematic diagrams provided. Each Microphone System packed in "off-the-shelf" shipping carton.