

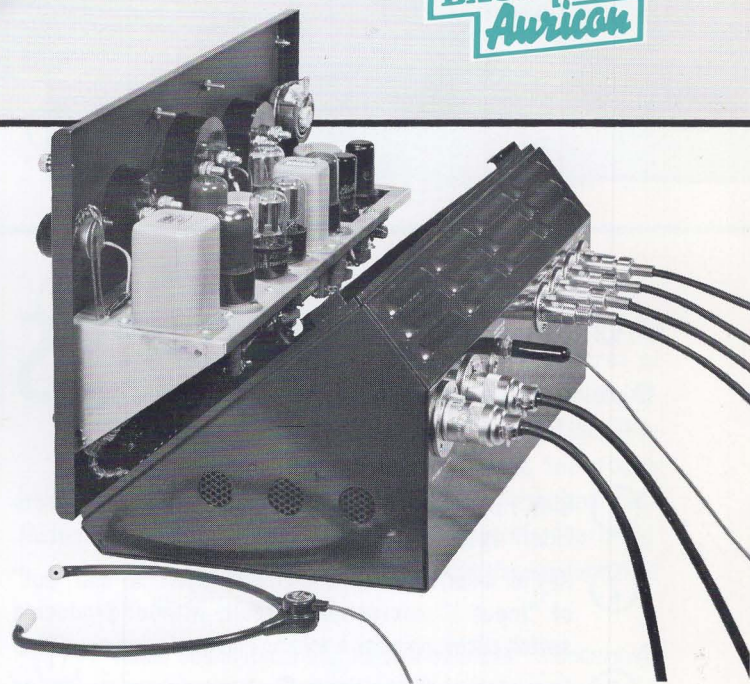
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AURICON "Custom" ALL AC OPERATED AMPLIFIER

**Model NR-40
for Optical Sound-on-Film...**

The Auricon Model NR-40 all AC operated Recording Amplifier with separate Power-Pack, is contained in two metal chassis. The Amplifier-Controls and Meters are mounted in the Monitor-Desk pictured above. The separate Power-Pack furnishes all the necessary current for operating the NR-40 Amplifier.

The Power-Pack also provides completely filtered DC current for lighting the Sound-On-Film recording Galvanometer Sound-Track Exposure-Lamp located inside the Camera or Recorder.



↑ *Tilt-up hinged Control-Panel construction.*

The Power-Pack connects to the NR-40 Amplifier chassis with an 8 ft. power-cable, so that the Pack can be placed in any convenient out-of-the-way location where it is plugged into a 115 volt, 50 or 60 cycle AC power outlet, drawing 150 watts.

"TELEPHONE-EFFECTS FILTER"

The Auricon Model NR-40 Amplifier features two 110DB high-gain microphone-inputs, each provided with a continuously adjustable four-position "Speech-Music" Tone Control. Both "Input 1" and "Input 2" are low impedance (50 ohms) for use with all types of professional microphones. In addition, "Input 1" is provided with a "Telephone-Effects Filter" Key for recording scenes involving simulated telephone conversations. A blue Pilot-Light indicates when the "Telephone-Effects Filter" Key is "on."



Many dramatic scripts now incorporate scenes involving telephone conversations, police-car radio-conversation, army walkie-talkie scenes, aircraft radio, underwater divers communicating with the surface, science-fiction scenes, or even puppet-show voices. For all these types of scenes, the new Auricon "Telephone-Effects Filters" on the NR-40 Amplifier provides easy and inexpensive means of creating these illusions in a single take, instead of using expensive re-recording methods which are often prohibitive because of the extra time and expense involved.

When shooting a scene involving a telephone conversation, for instance, the dialog of the actor who is "on camera" and talking into the dummy telephone, is picked up on a microphone feeding into "Input 2." Another actor who is supposedly talking over the telephone to the actor "on camera" is picked up by a second microphone feeding into "Input 1" with the Telephone-Effects Filter "in." The two microphones should be some distance apart so that neither microphone picks up dialog intended for the other. In this way, with a single "take," a scene involving a telephone conversation can be recorded onto the sound track with the "off camera" voice giving the illusion of being heard by the actor who is talking on the dummy telephone, "on camera."

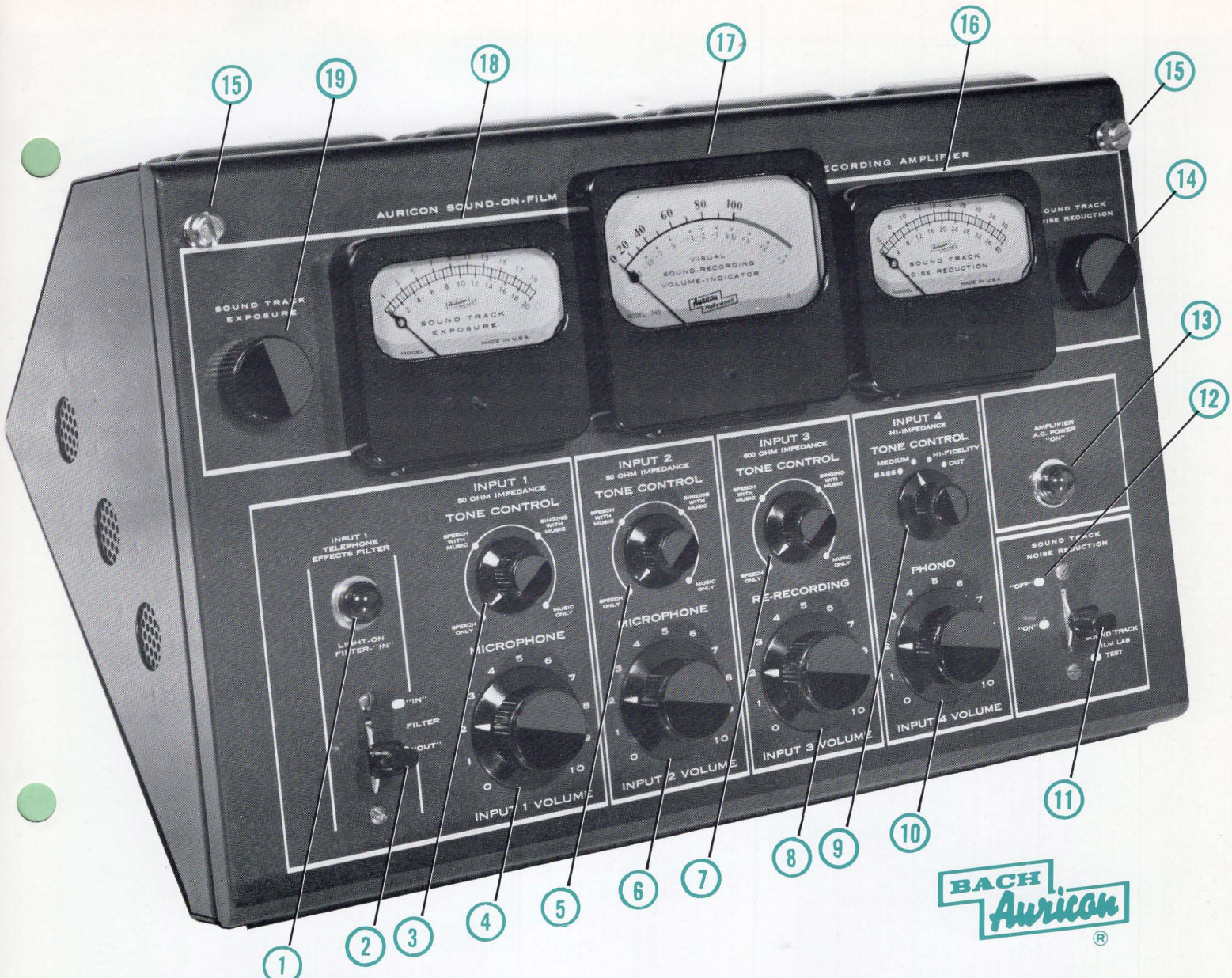
If only one microphone is available to shoot the "telephone conversation" scene, the camera can photograph a close-up of the actor "on camera" who is holding the dummy telephone, while the actor who is supposedly replying over the telephone stands to one side of the scene just outside of camera range but in such a position that the microphone can pick up his voice satisfactorily. It then becomes necessary for the sound-recording-amplifier operator to be familiar with the dialog in the scene, so that he can cut "in" the telephone effects filter when the "off camera" voice is being recorded, and cut "out" the telephone-effects filter when the actor being photographed holding the dummy telephone is talking, etc.

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AURICON Model NR-40 SPECIFICATIONS

Optical Sound-On-Film Amplifier

- 1 Blue Pilot-Light goes "on" when "Telephone-Effects Filter" is inserted in the "Input 1" microphone circuit.
- 2 Key for inserting Telephone-Effects Filter "In" and "Out" of "Input 1" microphone circuit, without producing switch-clicks, noise, or a volume-change during recording.
- 3 Four-position "Tone Control" of microphone pickup on "Input 1," providing for "Speech Only—Speech With Music—Singing With Music—Music Only," insures high fidelity recording results on "Input 1."
- 4 "Input 1" microphone volume-control knob.
- 5 Four-position "Tone Control" of microphone pickup on "Input 2," providing for "Speech Only—Speech With Music—Singing With Music—Music Only," insures high fidelity recording results on "Input 2."
- 6 "Input 2" microphone volume-control knob.
- 7 Four-position "Tone Control" for re-recording from magnetic-tape or 600-ohm-impedance line, on "Input 3," providing for "Speech Only—Speech With Music—Singing With Music—Music Only," insures high-fidelity recording results on "Input 3."
- 8 "Input 3" Re-recording Volume-Control Knob.
- 9 Four-position "Tone Control" for re-recording from phonograph records on "Input 4," providing for four steps of tone equalization to assure maximum fidelity of re-recording from phono-disc to optical Sound-On-Film.
- 10 "Input 4" Phono Re-recording Volume-Control Knob.



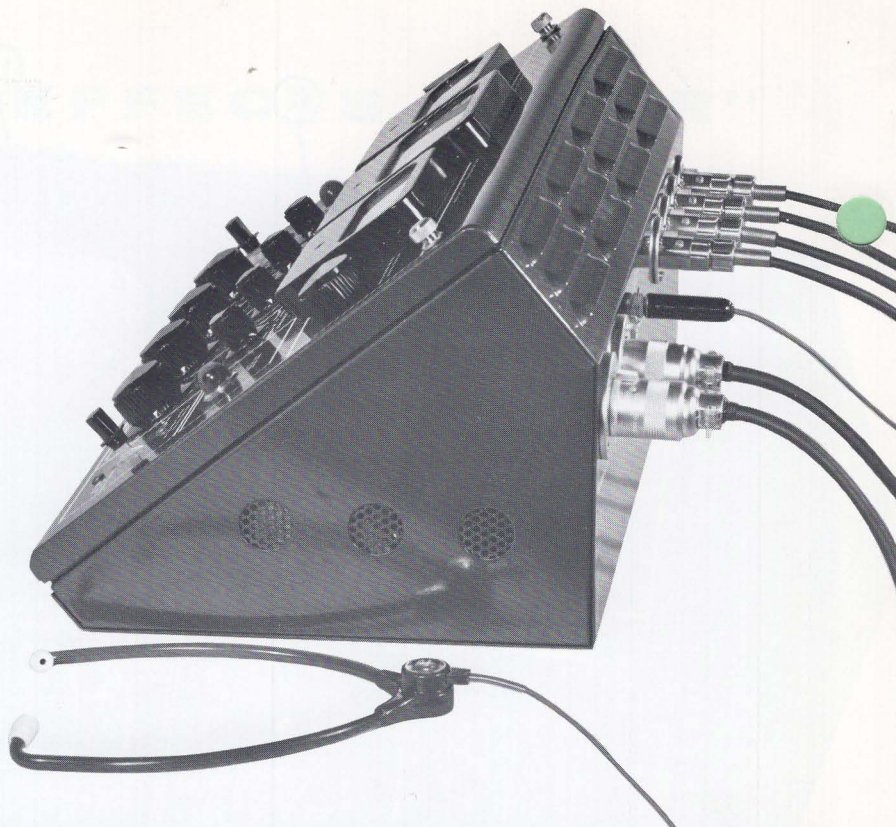
- 11** "Sound-track Film-Lab-Test" Key, removes the noise-reduction from the sound-track during recording of a test-strip at the beginning or end of a roll of film, for subsequent film-processing-laboratory densitometer measurements which require a silent (unmodulated), unbiased (without noise-reduction) Sound-track to determine sound-track density.
- 12** "Sound-Track Noise-Reduction" Key "On-Off," permits recording Sound-tracks without noise-reduction for direct-playback as a negative; for test purposes; etc.
- 13** Red Pilot-Light Indicates Amplifier AC Power "On" or "Off."
- 14** "Sound-track Noise-Reduction" Control Knob used with Meter **16**, reduces the background noise on the sound-track (which is like needle-scratch on a phonograph record) when the film is played-back on a 16mm optical sound projector.
- 15** Two thumb-screws for unlocking hinged Amplifier Control-Panel, provide access to components for easy maintenance and servicing.
- 16** Meter with internally-illuminated dial, indicates "Sound-track Noise-Reduction" bias-current, as set by Control Knob **14**. Permits perfect control of Noise-Reduction-bias with regard to film-emulsion, processing, type of sound-track being recorded (Negative or Reversal, etc.), and the content of the Sound-track (Piano-Solo recording, for instance, employs less noise-reduction-bias than Orchestral-recording). Instructions for proper noise-reduction use are furnished with NR-40 Amplifier.
- 17** "Visual Sound-Recording Volume-Indicator" standard VU Meter with internally-illuminated yellow-face dial, shows loudness of sounds recorded on Optical-Sound-On-Film Track.
- 18** Meter with internally-illuminated dial indicates "Sound-Track-Exposure" lamp-brightness; provides Sound-Track-Density Control for films of varying emulsion speeds.
- 19** "Sound-Track-Exposure" lamp-brightness Control-Knob, Used with Meter. **18**.



THE AURICON "CUSTOM" MODEL NR-40 AMPLIFIER CHANNEL is equipped throughout with heavy-duty Connectors, and highest-quality shielded-cable.

STETHOSCOPE-TYPE HEADPHONES

are furnished because they are the most modern advancement for "on-the-scene" monitoring. Do not muss up the hair, and can be worn with a hat if desired. They provide good low-frequency acoustical-coupling to the ears, enabling the sound-operator to check with extreme accuracy on hum-pickup or room-acoustics and rumble. These plug-in type stethoscope Monitor-Phones also exclude extraneous air-borne noises from the ear-passages so that in effect the sound-operator enjoys the advantages of working in a sound-proof booth when using these stethoscope headphones.



16mm "AURICON-1200" RECORDER Model RM-30... 1200 ft. film capacity for up to 33 minutes of continuous recording, reversible synchronous-motor driven for "A" or "B" wind "Double-System" 16mm Optical Sound-On-Film operation. Available for Variable-Area or Variable-Density Recording.



"SUPER 1200" 16mm Optical Sound-On-Film Camera... 1200 ft. film capacity for up to 33 minutes continuous recording of High-Fidelity "Single-System" Talking Pictures, in natural-color or black & white.

*For complete information concerning prices,
see "Auricon General Price List."*

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GUARANTEE

All Auricon Equipment is sold with a 30-day money back Guarantee and a 1 year Service Warranty. You must be satisfied!