

Your operating instructions for

THE WEBCOR *Musicale*



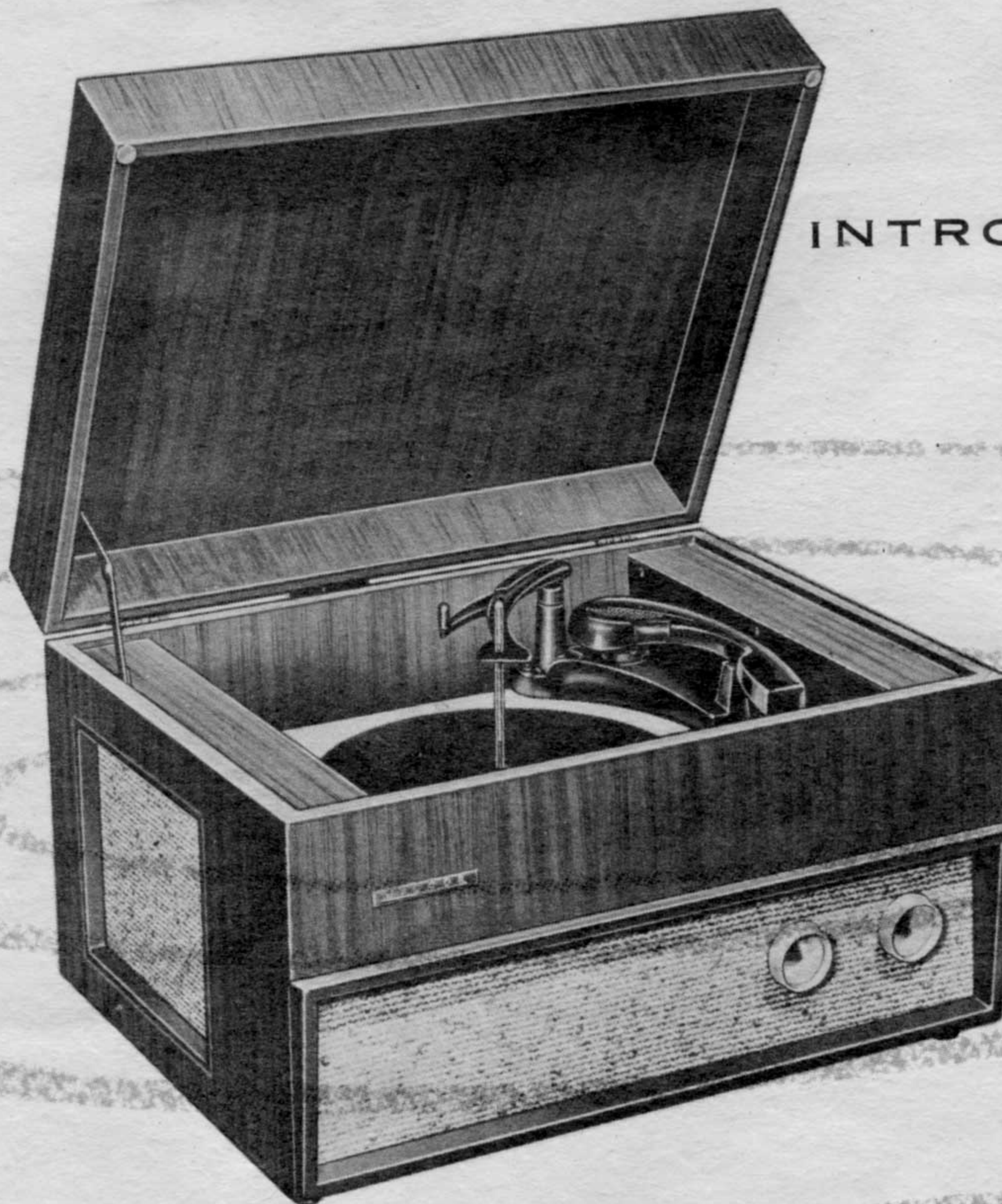
a high-fidelity fonograf by Webster-Chicago

Webcor

THE
Musicale
CABINET

The illustrations in this booklet are of the table model Musicale. However, these operating instructions also apply to the Portable Model Musicale.

INTRODUCING



A NEW DIMENSION IN SOUND

To the visual sense, adding a third dimension gives depth to heretofore flat images. Today, as the owner of a new Webcor Musicale, a new dimension in sound is being made available to your critical ear.

To your audio sense, this new dimension in high-fidelity sound will be immediately audible. The same marked difference from black and white photography to color photography will be apparent in this entirely new concept of reproducing recorded music.

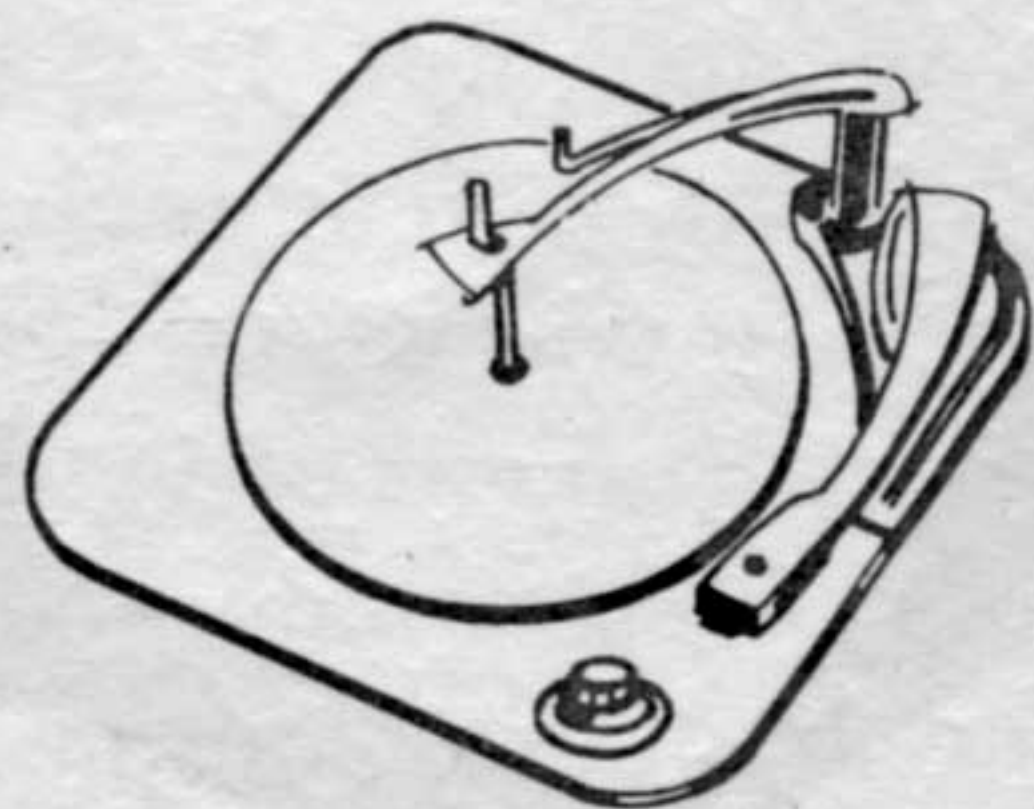
Never before has there been a phonograph that reproduced records with the exciting realism, the true richness and the faithful fidelity equal to the Webcor Musicale.

For that reason, the Musicale cannot be considered a phonograph. It is truly a fine musical instrument. And as such, it deserves the same fine care you would lavish on any other musical instrument of your choice.

Many years of electronic and acoustical engineering are built into your new Musicale. Because you have sought and bought the finest, the information in this booklet will enable you to know your instrument better. With a complete understanding of the capabilities of the Musicale, you will appreciate the wide frequency range which will provide you with all of the deep, bass tones as well as the treble tones, overtones and harmonics.

THE *Musicale* A NEW CONCEPT IN

The transferring of recorded sound from the record to the human ear requires the balancing of three important components. In the Musicale, you will find these three components: the record player, the amplifier and the speaker.



THE RECORD PLAYER found in the Musicale is the famed Webcor Model 1121-270 Diskchanger. To many high-fidelity enthusiasts, the record changer is the heart of the entire system, for it is the only program source in the absence of a tuner.

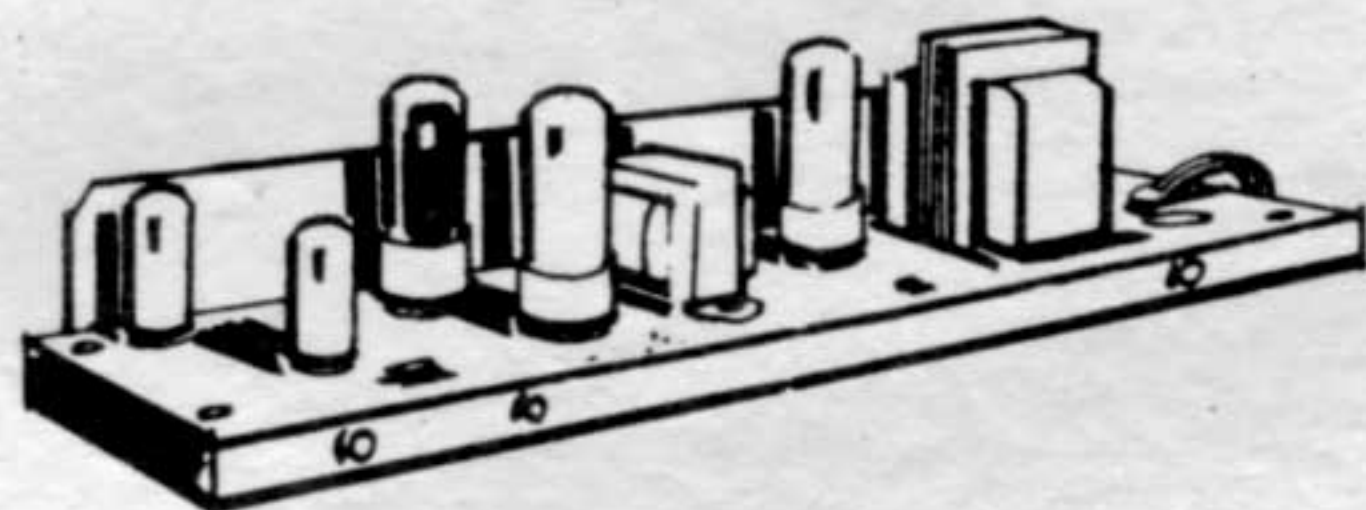
This is a completely automatic changer that is spring mounted and balanced to minimize rumble and vibration. The electrostatically, flocked, extra-heavy fly-wheel type turntable is

driven by the exclusive Webcor designed and manufactured 4 pole, shaded pole, constant speed motor. After the last record is played, the changer automatically shuts off.

The Webcor Diskchanger has the Velocity Trip action that eliminates lateral needle pressure that is so harmful to the life and performance of records.

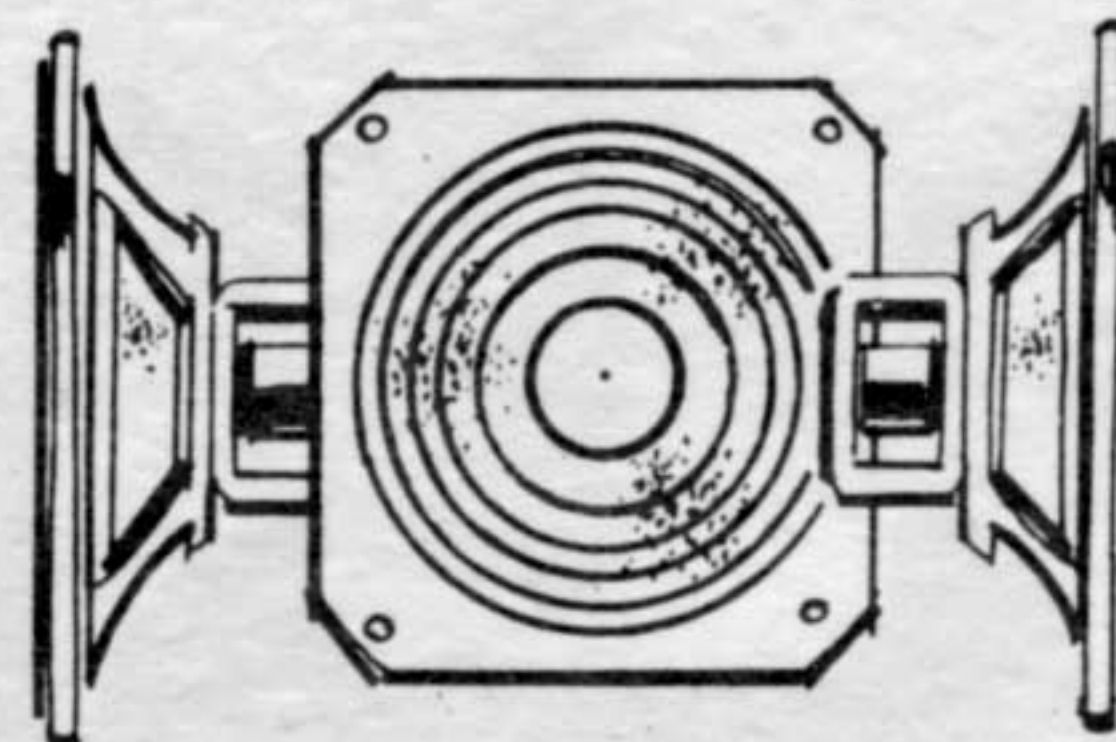
The pick-up, an integral part of the changer, is a General Electric triple purpose Variable Reluctance (magnetic) cartridge. The cartridge is matched to the amplifier by an especially compensated pre-amplifier. All 7-, 10- and 12-inch records can be played in any of the following speeds: 33 $\frac{1}{3}$ rpm, 45 rpm and 78 rpm. Also, inside out recordings can be played without any special adjustment.

RECORD REPRODUCING INSTRUMENTS

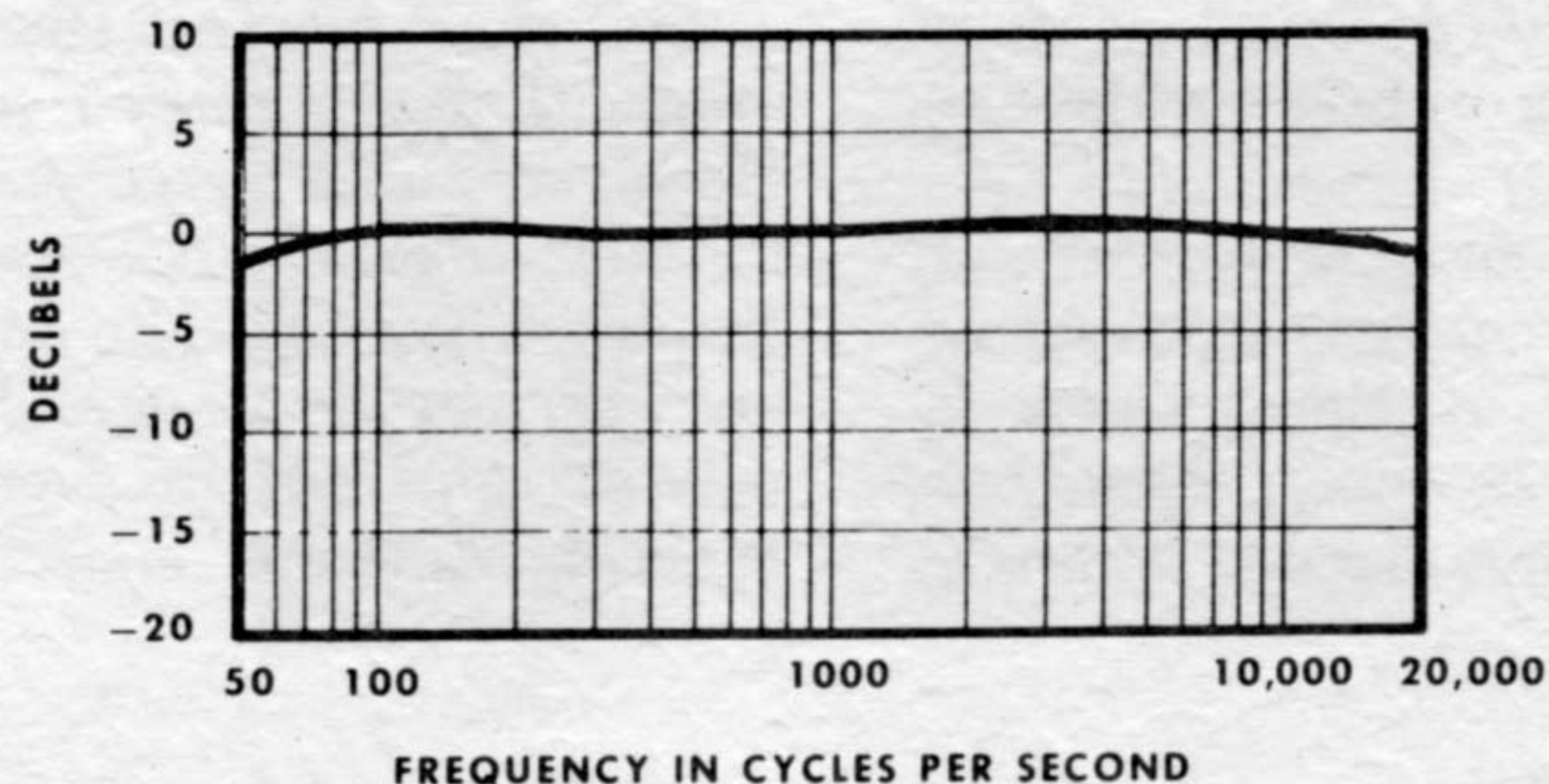


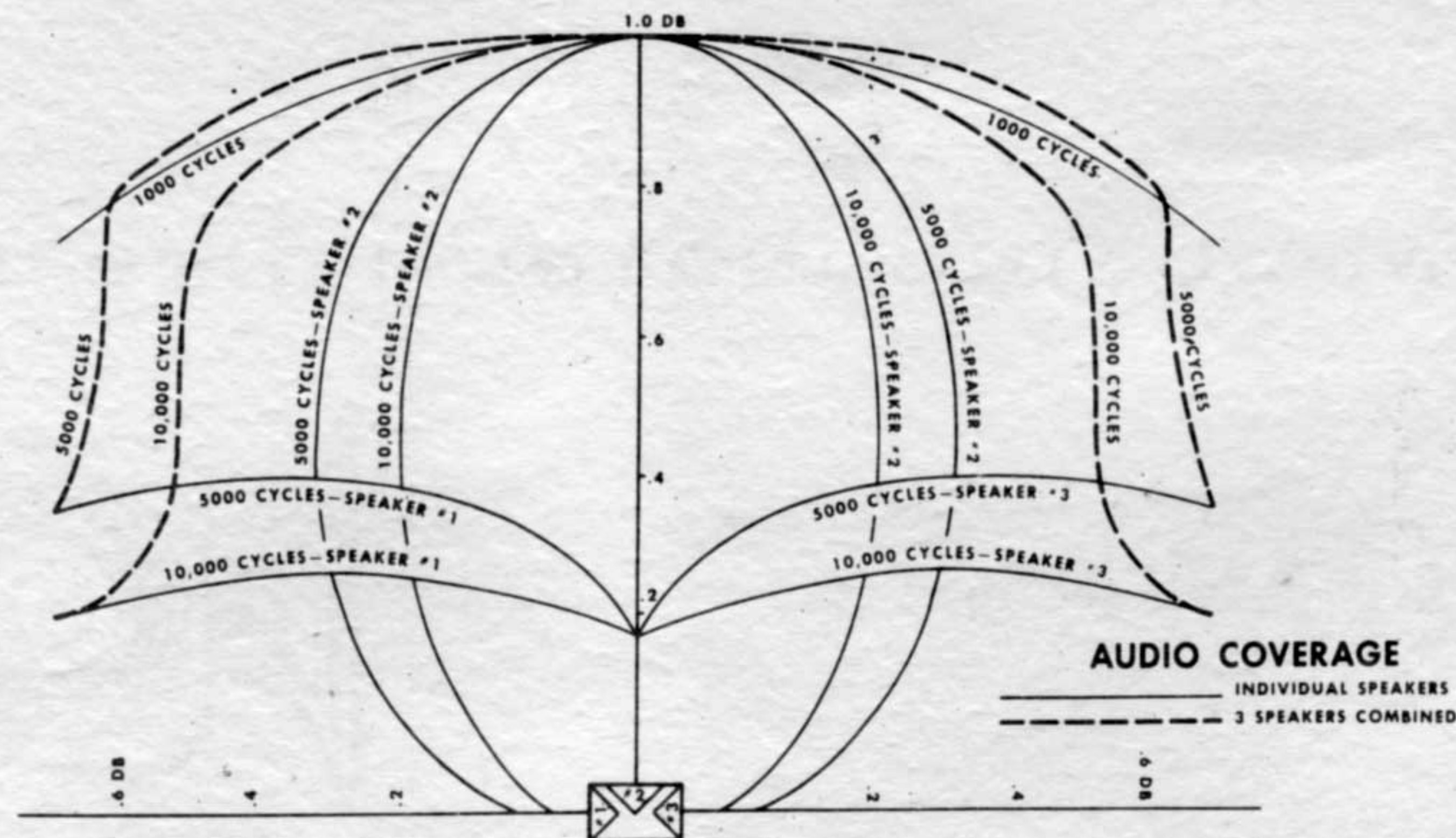
THE AMPLIFIER incorporates five tubes, including rectifier. It is a straight AC unit, utilizing push-pull 6V6 output tubes in a negative feedback circuit. The amplifier provides five watts of audio power with negligible distortion.

Frequency response of the Musicale is uniform, 50 to 15,000 cycles.



THE SPEAKERS . . . Three separate speakers are used to cover the entire audio range of the Musicale with uniform response. Sound is distributed evenly throughout the room without distortion and the usual higher frequency "deadspots". See Audio Coverage chart on next page.





AUDIO COVERAGE OF THE WEBCOR MUSICALE

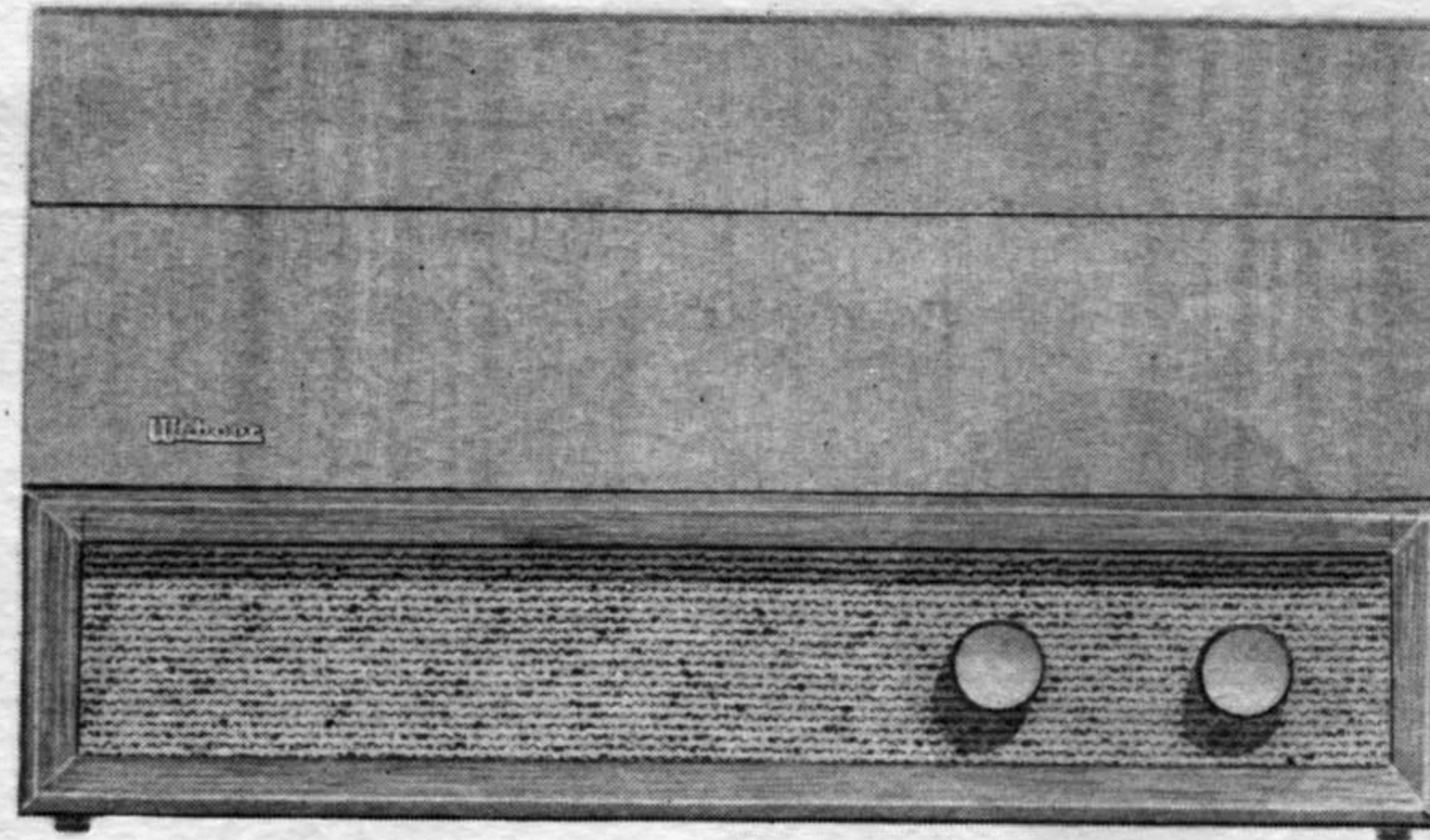
This chart illustrates the complete coverage of all frequencies made possible by carefully selected resonance points and actual locations of the three speakers. Normally, the higher frequencies tend to fall away when the listener moves at an angle away from the front of a single speaker. This simplified sound contour chart shows the effectiveness of three speakers as used in the Musicale.

Note that an individual speaker pattern, or lobe, shows a limited high frequency coverage as the angle from the front of the speaker is widened. The dotted lines, however, show that the high frequencies in a three speaker arrange-

ment envelop the entire fonograf with a more constant intensity at *any* point around the unit.

This means that no matter where the listener is in the room in relation to the location of the Musicale, the music from the Musicale that reaches his ear is full, high-fidelity sound.

This chart assumes the Musicale will, in most applications, be placed against or near a wall. However, audio coverage pattern to the rear of the unit takes a similar pattern (not shown on graph). Therefore, the Musicale can be placed anywhere in the room and high-fidelity listening will be apparent in every direction from the Webcor Musicale.



THE MUSICALE CONTROLS

When dealing with an instrument as fine as the Musicale, the usual controls found on average phonographs were eliminated to provide the listener with a simple, positive method of adjusting the unit to individual preferences.

The Musicale is controlled by two knobs (see detailed operating instructions). Located at the front of the unit they are the Audio Level Control and the Response Control, conveniently located at the front of the unit.

To technical audio engineers, a synonym for the Audio Level Control would be "Loudness Contour Selector." In regular phonographs this

function is performed by a volume control which when turned up or down eliminates either highs or lows. The Audio Level Control is an exclusive Webcor development that actually compensates frequency response to different listening levels. With the Audio Level Control there is no frequency loss. (This is the knob at the right.)

The knob to the immediate left of the Audio Level Control is the Response Control. By adjusting this control the frequency response is varied to properly accentuate either treble or base tones. The Response Control is tapered to give continuous frequency response change.

DETAILED OPERATING INSTRUCTIONS

For operation on 110 volt-50 cycle power, use Webcor 11X1073 50 cycle adapter kit.

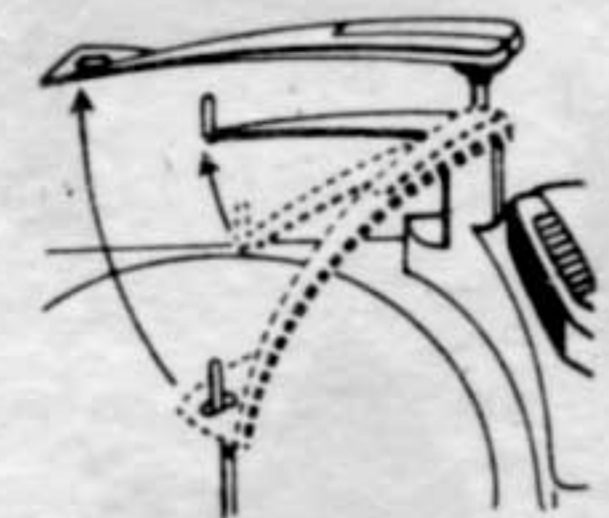
The automatic diskchanger is secured to the cabinet mounting board by two screws. These should be turned *clockwise* until they are flush with the chassis of the changer. The diskchanger will then float freely on its spring mounts.

Remove the protective needle guard carefully from the cartridge by pulling guard down.

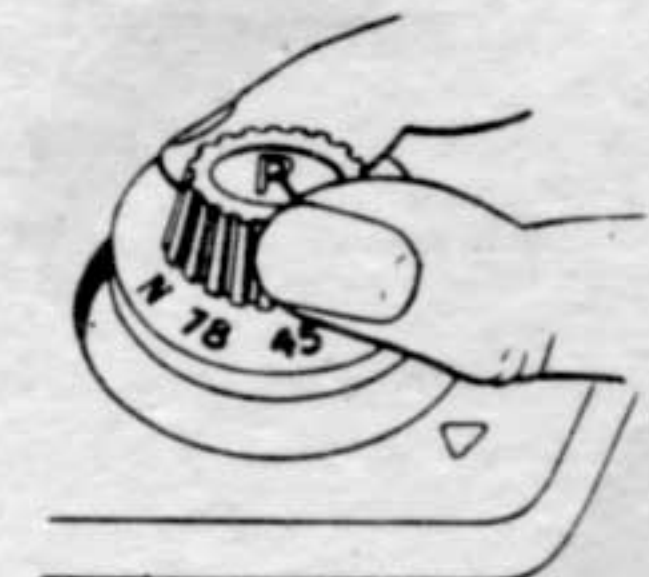


1. Turn Musicale on by rotating Response Control to the right. Pilot light, located above Speaker grill on left hand side of cabinet, will glow when unit is on.

2. Lift record ballast up and turn away from spindle until it locks in open position.



3. Place up to a 1" stack of records on spindle. Holding the records with one hand, swing the record ballast arm toward spindle and allow to drop over records.



4. Turn Speed Selector "R" Control to speed of records to be played.

FOR THE WEBCOR *Musicale*



5. Select correct needle by depressing needle knob and turning arrowhead indicator to proper setting for record to be played.

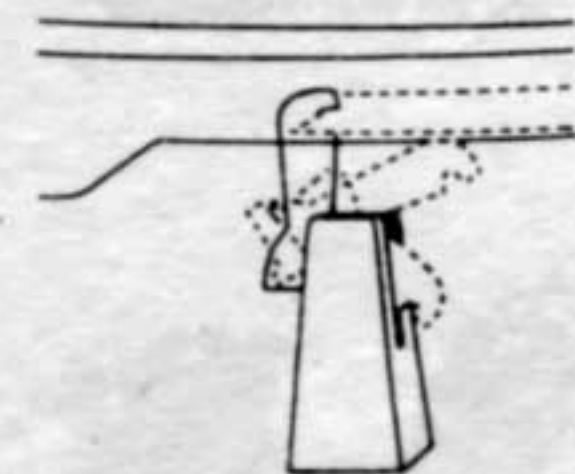
6. Depress Speed Selector "R" Control to start.

7. Adjust Music Level and Response controls to suit.
(Note: If hum persists, reverse power cord plug in AC outlet.)

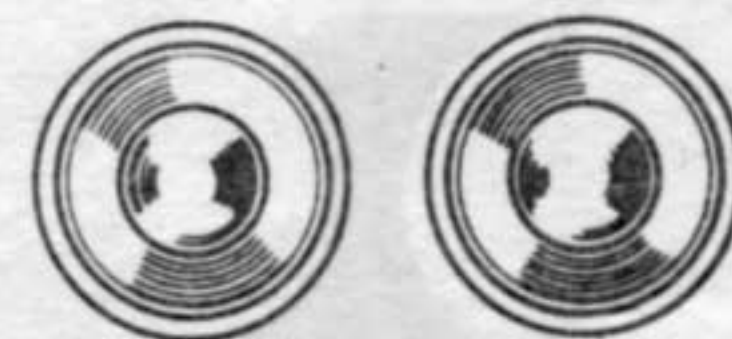
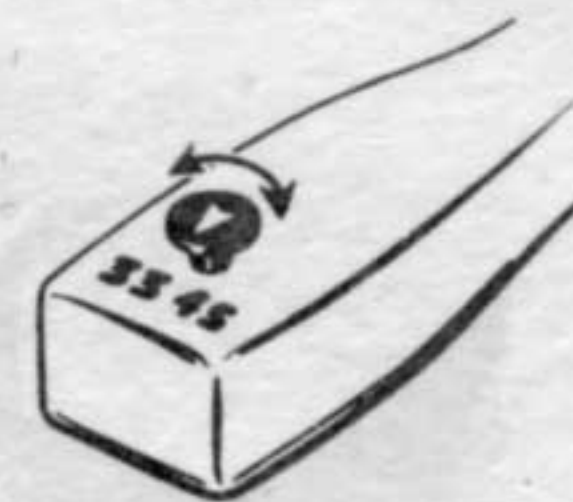


8. When last record is played, tone arm returns to "rest" position and changer automatically turns off. Remove records by lifting record ballast arm to open position. Lift stack of records with both hands and guide them upward and past spindle step.

9. When you have finished playing your Musicale, move Speed Selector Control to N position (neutral), in order to prevent flat spots on drive wheel. To reject any record while playing in the automatic position, push the Speed Selector Control.

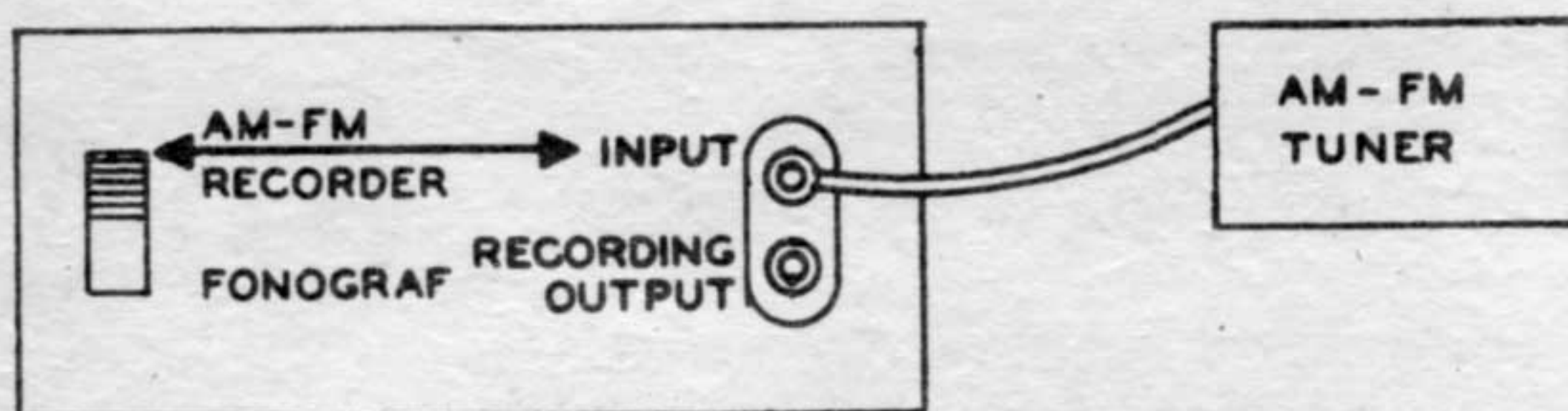


10. (For Portable Models only) Press front clasp down on the tone-arm rest to release tone arm after transporting Fonograf. Clasp becomes resting post for tone arm in normal play. When transporting "MUSICALE" lock tone arm in position by depressing clasp until it clears hook. Release clasp to catch hook on underside of tone arm.



TO PLAY RECORDS MANUALLY

1. Follow steps 1, 2, 4, 5 and 7 of automatic play.
2. Guide record past spindle step onto turntable and place tone arm on starting groove of record.
3. At end of record, lift tone arm and place it in "rest" position. This action will turn off Disk-changer.



TO USE AM-FM RECORDER INPUT JACK

To use the Musicales for playing an AM-FM tuner, recorder, or other source of sound—

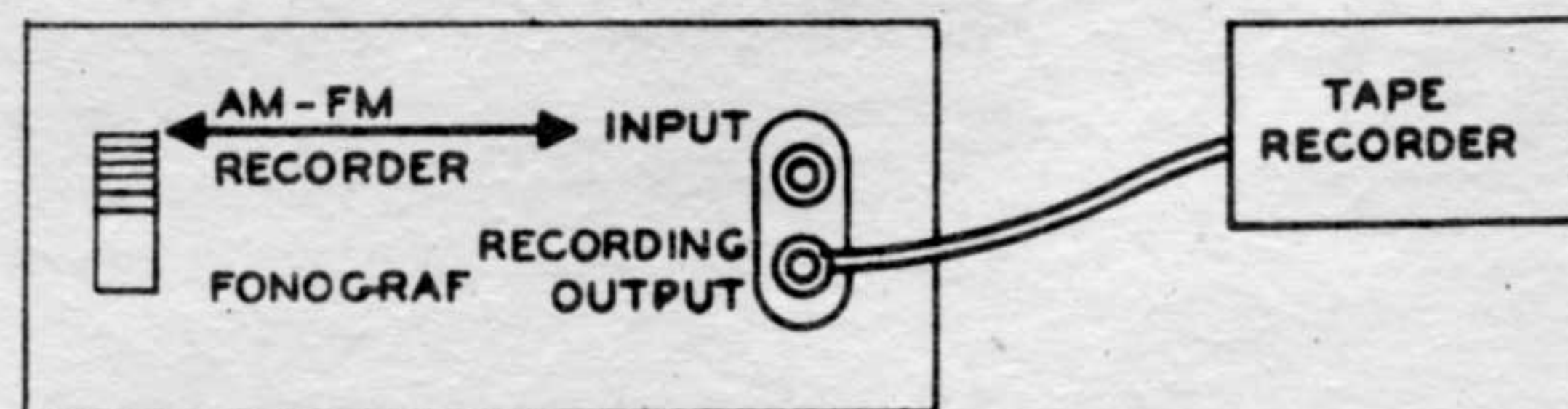
1. Put switch in AM-FM/Recorder position.
2. Plug cord from respective source to the AM-FM recorder *Input Jack* of the Musicales. (Use Webcor input cord #2925 available from your Webcor dealer.)
3. Adjust volume of source and/or Musicales to desired level.

TO USE RECORDING OUTPUT JACK

To use the Musicales for recording records on tape—

1. Put switch in AM-FM/Recorder position.

2. Connect cord from input of recorder to the recording *Output Jack* of the Musicales. (Use Webcor input-output cord #2925, available from your Webcor dealer.)
3. Turn on recorder and adjust volume control to recording level.



NOTE: It is possible to record on a tape recorder from the Musicales with the switch in either position.

When used as an ordinary Fonograf, the switch must be in the Fonograf position.

NEEDLE REPLACEMENT

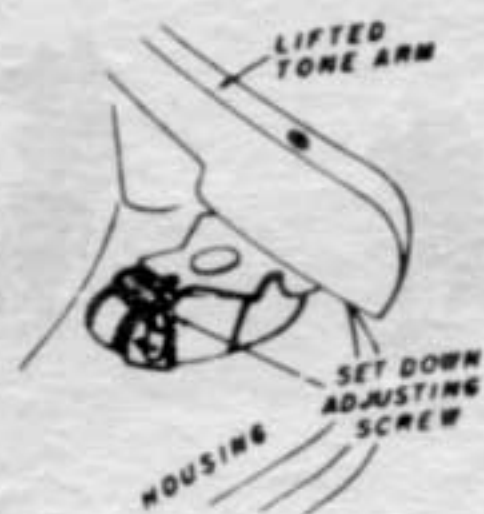
Replacement needles are available from your dealer or local music store. Your fonograf uses a G.E. Triple Purpose cartridge. Provide this information when ordering replacement needles.

To play large center hole records, use the Webcor "45" Spindle Adapter. This new adapter is available at your dealers.

Webcor RS-46, individually inserted adapters, are also available.



NEEDLE SET-DOWN ADJUSTMENT



The needle set-down adjustment is accessible beneath the tone arm. Lift the arm to a vertical position exposing the adjusting screw. Turning the screw in a clockwise direction moves the arm away from the record. The adjustment should be made on a 10" record so that the needle is set down in the first groove. This single adjustment will assure proper set-down for all size records.

LUBRICATION

It is recommended that the unit be lubricated by a competent service mechanic. Three points of lubrication need attention once a year, or for every 1000 hours of operation. Apply one drop of high grade No. 10 oil with a small oil can or medicine dropper: Motor bearings, turntable bearing (accessible with the turntable removed). Idler wheel shaft (accessible with the turntable removed). Do not allow oil to touch the rim of the idler wheel, the inner rim surface of the turntable or the drive sleeve. Avoid excessive lubrication. Wipe excessive oil with carbon tetrachloride.



WARRANTY

Webcor warrants this unit for a period of ninety (90) days from date of purchase to be free of defects in material and workmanship. If, for any reason, service or adjustment of this Webcor unit is necessary within the warranty period, the instrument must be returned to the dealer from whom it was purchased. For service beyond the warranty period, any qualified service technician is equipped to service the unit.

all music sounds better on a **WEBCOR**