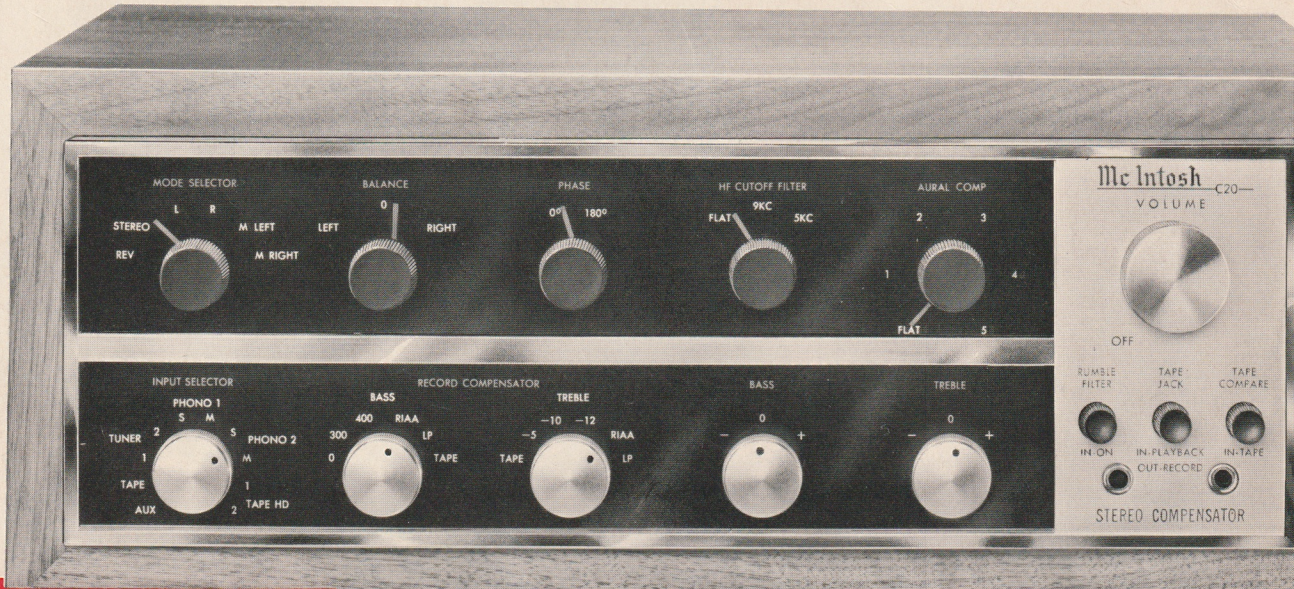


Ceretti

from McIntosh...

PERFECTION in Stereo Control



The **C 20**
COMPENSATOR
 FOR
STEREO

Industrial design by George H. Kress Associates. \$225 less cab

Simplicity, flexibility, and beauty have been integrated by careful engineering and design in the McIntosh C-20 Stereo Compensator. The greatest listening pleasure in stereo or monophonic reproduction is assured as a result of over a year of careful and diligent research in the requirements of a new preamplifier designed for stereo. Full stereo flexibility has been provided plus built in protection for your investment in monophonic records. McIntosh has designed in the C-20 Stereo Compensator the necessary features required to give the finest monophonic reproduction the keenest listener may require.

Complete satisfaction is yours in monophonic and stereophonic with the McIntosh C-20 Stereo Compensator.

NEW ADDRESS
 3325 FILLMORE ST.
 SAN FRANCISCO CALIF.

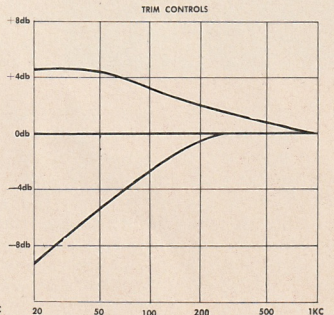
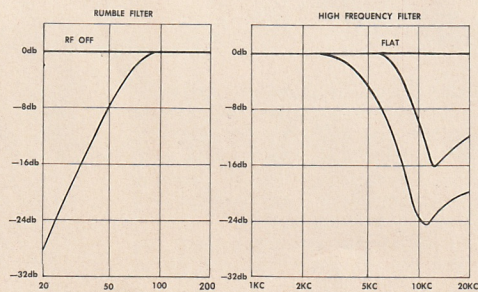
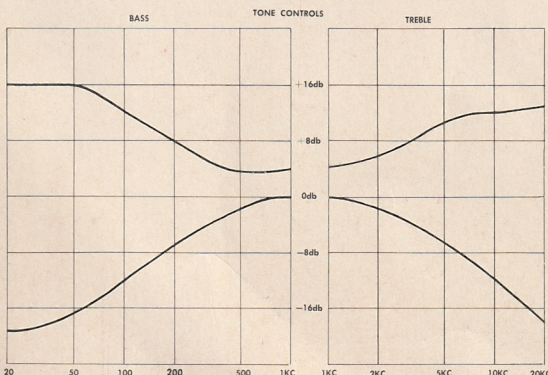
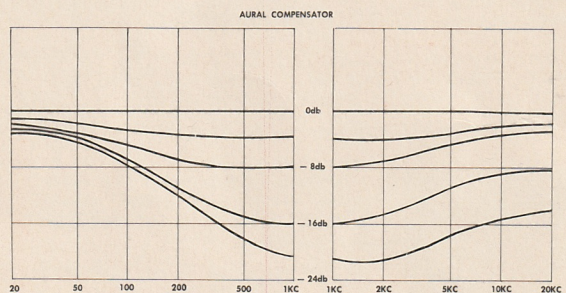
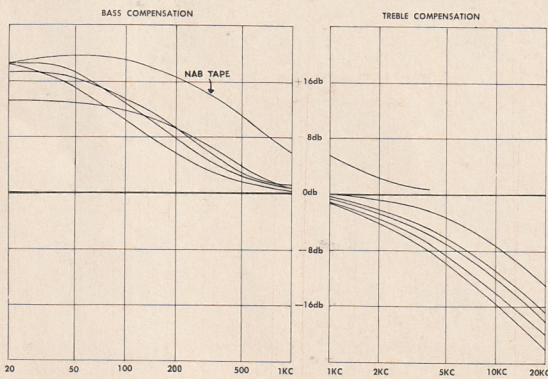
McIntosh... the Mark of Excellence

FACILITIES

- Mode Selector:** 6 positions including Stereo, Stereo Reverse, Left channel on left speaker only, Right channel on right speaker only, Left channel on both speakers, and Right channel on both speakers.
- Monophonic:** Internally parallels and decouples a stereo phono cartridge to offer best quality reproduction from monophonic records.
- Tone Controls:** Treble: boost 13 db at 20,000 cycles attenuate 18 db at 20,000 cycles
Bass: boost 16 db at 20 cycles attenuate 20 db at 20 cycles
- Trim Controls:** Separate channel back panel controls to balance the frequency response of the system independent of front panel controls.
- Equalization:** Separate bass and treble 6 position switches, including NAB tape and flat for mike or any other low level flat source.
- Aural Compensator:** Fletcher-Munsen compensation, continuously variable.
- Rumble Filter:** Rolloff to reject low frequency disturbances such as rumble.
- High Frequency Cutoff:** Two positions, 9 KC and 5 KC to suppress high frequency hiss and noise.
- Phase:** 180° phase reversal to compensate for out of phase speakers or source material.
- Balance:** 40 db each channel to balance for Attenuates alternate sides of center unequal source material.
- Tape:** Front panel jacks, push button switch controlled, to permit the addition of a portable tape recorder without disrupting the equipment permanently installed.
- Tape Monitor:** To permit instantaneous monitoring of tape before and after recording.

SPECIFICATIONS

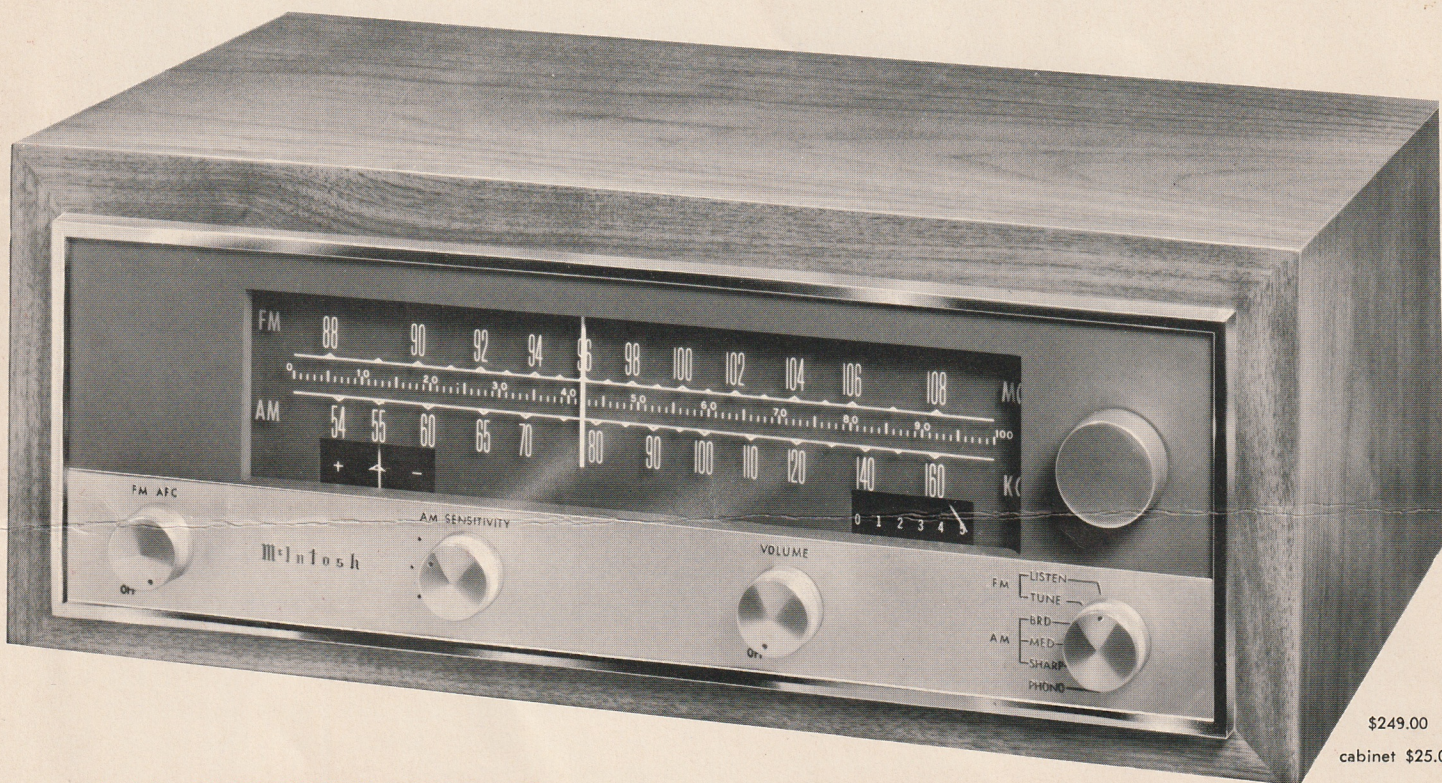
- Power Requirements:** 117 VAC; 35 watts
- Input Sensitivity and Impedance:** Auxiliary, Tape, and 2 Tuner 0.25 V at 470K
2 Phono, Low: 2.5 MV at 47K
High: 12.5 MV at 47K
XTa1: 0.1 V, very high
2 Tape Head, Low: 1.25 MV at 47K
High: 6.25 MV at 270K
Tape Monitor: 0.25 V at 130K
- Frequency Response:** ±0.5 db 20 to 20,000 cycles
- Distortion:** Less than 0.2% at rated output, 20 to 20,000 cycles
- Hum and Noise:** High level inputs: 85 db below rated output
Low level inputs: less than 2 microvolts at input terminals (—115 dbm)
- Outputs:** Main: 2.5 V with rated input
Tape: 0.25 V with rated input
- Gain:** Low level inputs: 1000-1 Main Output
Low level inputs: 100-1 Tape Output
High level inputs: 10-1 Main Output
High level inputs: 1-1 Tape Output
- A.C. Aux. Outlets:** 1 unswitched for tape machine or turntable and 3 switched
- Size:** Chassis: 14½ inches wide; 4¼ inches high; 12 inches deep
Front panel: 14¾ inches wide; 4¾ inches high
- Weight:** 17 pounds



Ceretti

the McIntosh tuner the MR-55A

The unparalleled performance of the McIntosh MR-55A Tuner is a result of highest quality construction, unrelenting testing, and continuing research. Accurate and critical tuning with ease and simplicity, complete quieting between stations by means of McIntosh Ultrasonic Muting, and better listening through reduced distortion are a few of the features found in the McIntosh MR-55A.



\$249.00
cabinet \$25.00

AM SPECIFICATIONS

Sensitivity:

1.5 microvolts

Selectivity:

Narrow (4 K.C. bandwidth) ± 10 K.C. from center down 53 D.B.
Medium (13 K.C. bandwidth) ± 10 K.C. from center down 20 D.B.

Broad (20 K.C. bandwidth)

(Measurements include R.F. and I.F. circuits. The characteristics are substantially unchanged over entire R.F. tuning range.)

Bandwidth:

I.F. at 600 K.C. and at 1600 K.C.; 20 K.C.
R.F. at 600 K.C. 21 K.C.; at 1600 K.C.; 23 K.C.

Audio Bandwidth:

Broad Position ± 3 D.B.; 20 to 9.5 K.C.
Medium Position ± 3 D.B.; 20 to 6.5 K.C.
Narrow Position ± 3 D.B.; 20 to 2.0 K.C.

Sensitivity Selector:

Three Positions

Whistle Filter:

70 D.B. rejection 10 K.C.

Dimensions:

4 3/4" high x 14 3/4" wide x 12" deep

FM SPECIFICATIONS

Sensitivity:

3 Microvolts at 100% modulation (± 75 K.C. Dev.) for less than 3% total noise and distortion I.H.F.M. standards.

Capture Ratio:

1 to 0.8

I.F. Bandwidth:

200 K.C.; Flat on Top

I.F. Transformers:

Mechanically captive

Limiters:

Two

Limiter and Detector Bandwidth:

2 Megacycles

Frequency Response:

± 3 D.B.; 20-20,000 cycles

A.F.C.:

Separate detector; strong, distortion free, completely variable

Drift:

± 30 K.C. without A.F.C.; negligible with A.F.C.

Antenna Input Impedance:

300 ohm balanced; 72 ohm unbalanced

McIntosh guaranteed **99 $\frac{60}{100}$ %**
perfect amplification!

Ceretti



MC-60 \$198.50

*All but 0.000016 of power output is a perfect reproduction of input signal at 30 watts, 20-20,000 cycles.

FOR THOSE SATISFIED WITH NOTHING BUT THE ULTIMATE IN HIGH FIDELITY, IT'S THE McINTOSH 60 WATT AMPLIFIER — UNSURPASSED FOR PERFORMANCE AND QUALITY.

This unique instrument sets a standard of excellence in amplification, for it has reached the theoretical limit of quality and efficiency. The McIntosh MC-60 amplifier, with patented circuit, is the only power amplifier which will produce 60 watts of power at less than 0.3% distortion from 20 to 20,000 cycles per second. This measurement insures the complete absence of discordant tones, and provides the purest and most perfect amplification available. There is no

increase in distortion even when extra power is demanded by program material. Since nothing is added to or taken from the input signal, clean, unparalleled reproduction of sound results, bringing out an exquisite realism at low, as well as high, volume levels . . . clear lucid highs, with no peaking; natural, full bass with no booming; thrilling middle range, all there with the McIntosh.

In reproducing music or speech with complete realism, the exceptional reserve power capacity of the MC-60 is called upon, for many short intervals per second, even at moderate volume, to re-create faithfully and accurately all the fundamentals, harmonics and overtones present in natural sounds.

YOUR FRANCHISED McINTOSH DEALER PROUDLY RECOMMENDS AND DISPLAYS
McINTOSH EQUIPMENT

McIntosh
LABORATORY, INC.

4 Chambers St., Binghamton, N. Y.

IN CANADA: MANUFACTURED BY McCURDY RADIO INDUSTRIES, LTD.,
22 FRONT STREET WEST, TORONTO, CANADA

MC-60 SPECIFICATIONS

compare!

Power Supply: 117/125 volts, 50/60 cycles

Power Consumption: 280 watts at 60 watts output
155 watts at zero signal output

Power Output: 60 watts continuous

Input Level: Input #1 (pin jack and screw terminals)
.5 volts to 30 volts, with gain control
Input #2 2.5 volts

Frequency Range: 20 to 30,000 cycles \pm 0.1 db at 60 watts output
15 to 50,000 cycles \pm 0.5 db at 60 watts output
10 to 100,000 cycles \pm 1 db at 30 watts output

Harmonic Distortion: Less than 0.3% at 60 watts output or less, 20 to 20,000 cycles

Intermodulation Distortion: Less than 0.5% if instantaneous peak power is below 60 watts for any combination of frequencies 20 to 20,000 cycles

Impulse Distortion: Negligible

Noise and Hum Level: 90 db or more below rated output

Damping Factor: 15 or better for 4, 8 and 16 ohm output, 16 for 600 ohms

Input Impedance: 0.5 meg for 0.5 volt input and 0.13 meg for 2.5 volt input 20 cycles to 40,000

Output Impedance: 4, 8, 16, 600 ohms (600 ohm is balanced to ground), and 70.7 volts

Phase Shift: \pm 8° 20 to 20,000 cycles

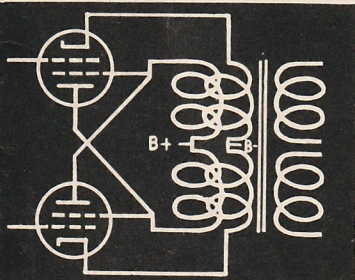
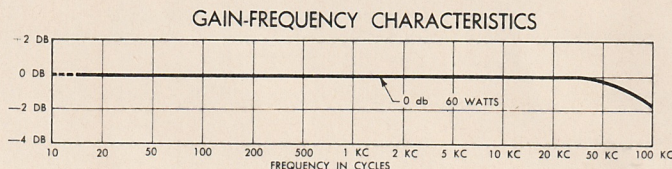
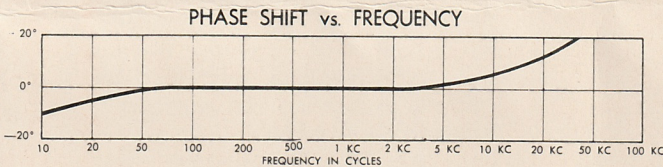
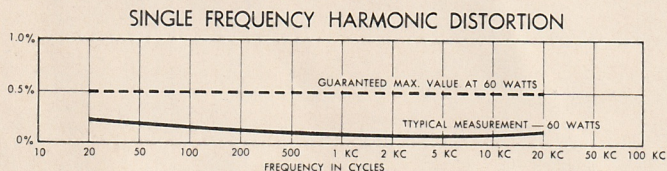
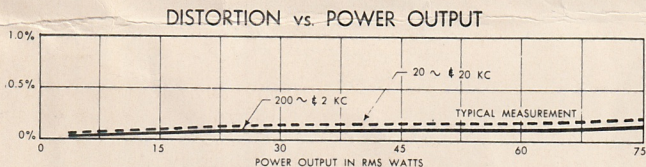
Tube Complement: Rectifier: 2-5U4 GA
Pre-Amp: 12AX7
Phase Inverter: 12AU7
Voltage Amp: 12BH7
Driver: 12AX7
Output: 2-6550

Auxiliary Equipment Connection: Designed to power McIntosh Preamplifiers

Size: 14 1/4" x 10" x 8" high, chassis type construction

Weight: 42 pounds, 13.5 ounces

LOW DISTORTION MEASUREMENTS, guaranteed by thorough laboratory tests on each unit shipped.



The famous McIntosh patented Unity Coupled circuit with bifilar output transformer as used in all McIntosh power amplifiers.

Why the exclusive Patented* McIntosh Circuit brings you purest High Fidelity Sound . . .

The McIntosh circuit is fundamentally new. It provides practically 100% coupling between primary windings of the output transformer by winding the primary wires together, or bifilarly. For the first time the high efficiency of class "B" amplification can be used with high quality performance. Wave form distortion, causing listening irritation, due to switching transients between each half of the class "B" amplifier is eliminated at all frequencies.

Before 1947, truly faithful amplified sound was severely limited by: (1) too much distortion; and (2) not enough power capacity. With the invention of the McIntosh circuit for the first time less than 1% distortion became the performance standard.

The McIntosh circuit has an inherent large advantage over conven-

tional circuits. By bringing the output tubes electrically four times closer together the impedance is 1/4 that of the conventional circuit. The coupling to the secondary is improved by a similar factor of 4 to 1 since the primary to secondary turns ratio has been reduced 2 to 1. The 1/2 cathode, 1/2 plate loading provides a feedback factor of 12 db, which with additional loop feedback, offers the lowest distortion, most stable power amplifier made.

To date, McIntosh amplifiers alone are able to provide less than 0.3% harmonic distortion and less than 0.5% intermodulation distortion (discordant distortion), for any frequency or for any combination of frequencies, throughout the audio range, even at full power output.

*McIntosh Laboratory, Inc., introduced Unity Coupling to High Fidelity in U. S. Patents 2,477,074 (1949); also 2,545,788; 2,646,467; 2,654,058

Perfect for STEREO

30 WATT AMPLIFIER

- FEATURING THE PATENTED
McINTOSH CIRCUIT
- GUARANTEED 0.5% MAXIMUM
INTERMODULATION DISTORTION
- UNITY COUPLING FOR
PERFORMANCE PLUS



MC-30 \$143.30

McIntosh, the world's most advanced amplifier, is unequalled for quality reproduction of any sound source. Its unique circuitry provides ample reserve power combined with unprecedented low distortion—less than 0.3% harmonic distortion at all frequencies, 20-20,000 cycles and at any volume, even full power!

Designed for those who expect the finest, the McIntosh MC-30 sets a new standard among amplifiers. It brings an almost unbelievable clarity of tone—clean, pure living sound. Most important, you can listen to the McIntosh for hours without listening fatigue or irritation. For performance that really makes a difference, enjoy the McIntosh, masterfully crafted for your lifetime satisfaction.

MC-30 SPECIFICATIONS

Power Supply:	117/125 volts, 50/60 cycles
Power Consumption:	155 watts at 30 watts output 105 watts at zero signal output
Power Output:	30 watts continuous
Input Level:	Input #1 (pin jack and screw terminals) .5 volts to 30 volts, with gain control Input #2 2.5 volts
Frequency Range:	20 to 30,000 cycles \pm .1 db at 30 watts output 15 to 50,000 cycles \pm .5 db at 30 watts output 10 to 100,000 cycles \pm 1 db at 15 watts output
Harmonic Distortion:	Less than 0.3% at 30 watts output or less, 20 to 20,000 cycles
Intermodulation Distortion:	Less than 0.5% if instantaneous peak power is below 60 watts for any combination of frequencies 20 to 20,000 cycles
Noise and Hum Level:	90 db or more below rated output
Damping Factor:	12 or better for 4, 8 and 16 ohm output, 16 for 600 ohms
Input Impedance:	0.5 meg for 0.5 volt input and 0.13 meg for 2.5 volt input. 20 cycles to 40,000
Output Impedance:	4, 8, 16, 600 ohms (600 ohm is balanced to ground) and 70.7 volts
Phase Shift:	20 cycles 3° 20,000 cycles 9°
Tube Complement:	Rectifier: 5U4-GA; Pre-Amp: 12AX7; Phase Inverter: 12AU7; Voltage Amp: 12BH7; Driver: 12AX7; Output: 2-1614
Size:	13 $\frac{1}{8}$ " x 8" x 8" high
Weight:	30.5 pounds net

McIntosh ... the Mark of Excellence