



TUNER INPUT PHONO

TAPE IN OUT

SCRATCH IN OUT

POWER OFF ON

COMPENSATOR IN LINE

SELECTOR

MONO STEREO PRE-STEREO
BAL. L. BAL. R. INPUT

TREBLE

LEFT

BASS

SCOTT

PHONO

BASS

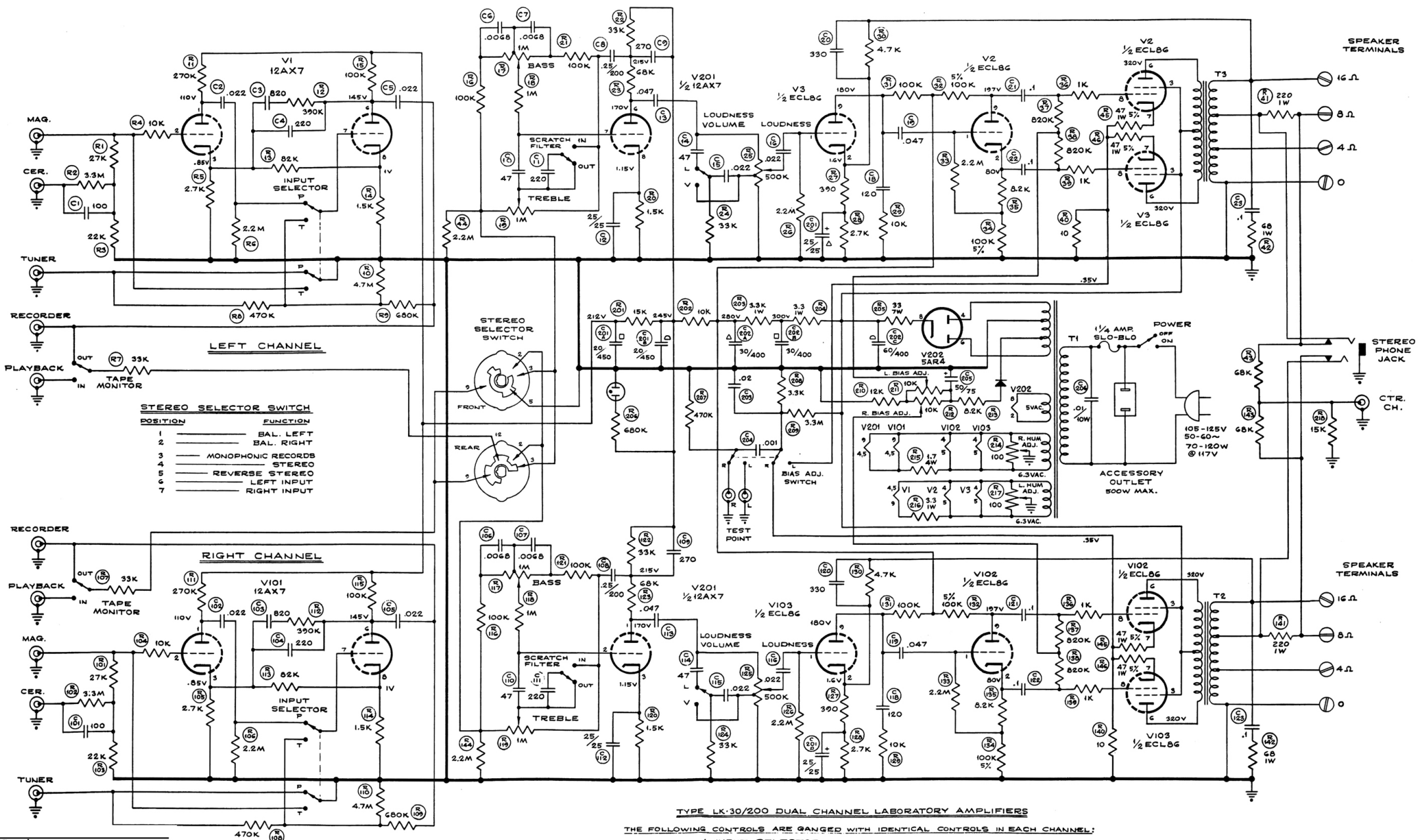
RIGHT

TREBLE

LOUDNESS

Scott





STEREO SELECTOR SWITCH

POSITION	FUNCTION
1	BAL. LEFT
2	BAL. RIGHT
3	MONOPHONIC RECORDS
4	STEREO
5	REVERSE STEREO
6	LEFT INPUT
7	RIGHT INPUT

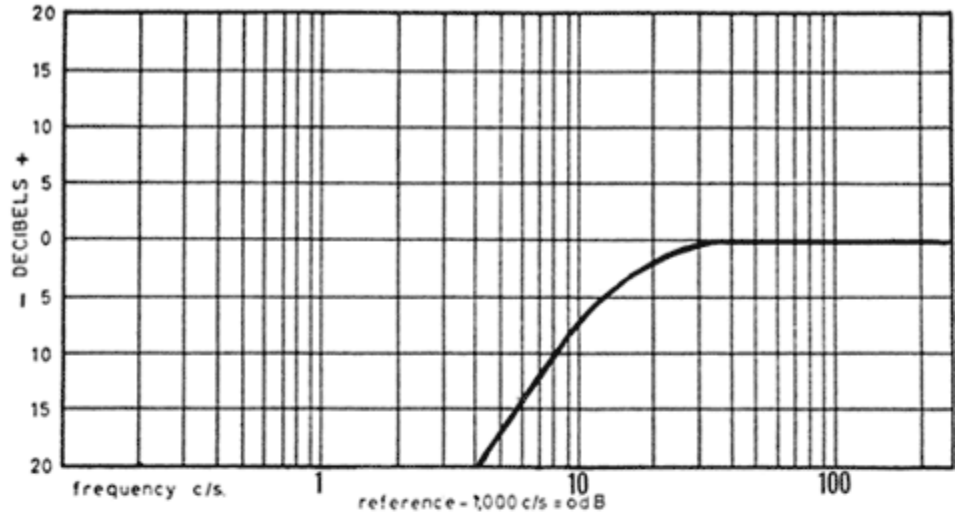
TYPE LK-30/200 DUAL CHANNEL LABORATORY AMPLIFIERS

THE FOLLOWING CONTROLS ARE RANGED WITH IDENTICAL CONTROLS IN EACH CHANNEL:

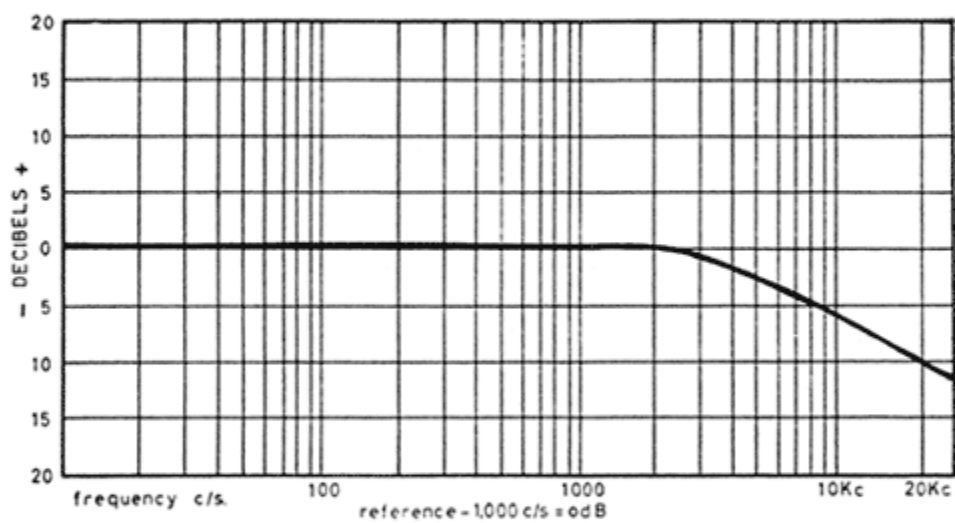
1. INPUT SELECTOR
2. SCRATCH FILTER
3. VOLUME - LOUDNESS
4. LOUDNESS (FRICTION CLUTCH).
5. TAPE MONITOR

UNLESS OTHERWISE SPECIFIED	SCALE: ~	CIRCUIT DIAGRAM	10/30/62.
ALL VOLTAGES D.C. ±15% MEASURED WITH VOM.		H. H. SCOTT, INC. MAYNARD, MASS. U.S.A.	
NO INPUT SIGNAL & 117V LINE.		DR. CASSIDY	ENG. J. C.
SWITCH SHOWN IN EXTREME C.C.W. POSITION		CH. W.C.	PROD.
ALL RESISTORS 1/2 W, 10%.		DWG. D-200-C1	NO. D-LK-30-C1
			SUB. 2

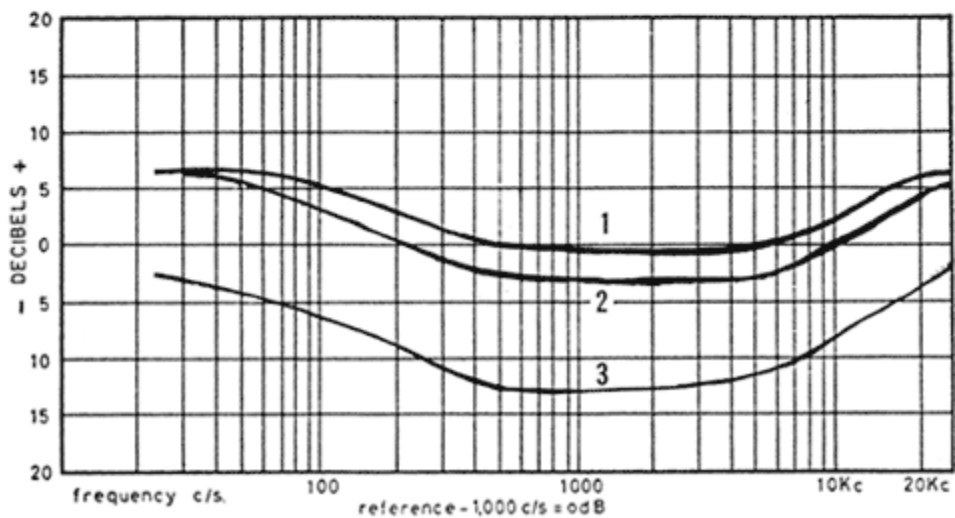
REVISIONS
 1. REVISED FOR E.C.
 2. 4/19
 3. 2/12-63 G.A.
 4. REVISED RFP
 5. C.C. 8/83
 6. 4/10-63 G.A.



Rumble filter response.



Response of treble filter.



Loudness response with various settings of the volume control.

SPECIFICATION

Maximum power output each channel at mid-band (IHFM)	15 watts
method: Music waveforms	12 watts
Steady state	0.8%
Maximum total harmonic distortion at rated output	± 1 dB 30 to 20,000 cps
Frequency response	-3 dB at 20 cps*
Intermodulation distortion	1.0%
Signal for rated output—Mag. (RIAA), equalization at 1 kc	5.0 mv
Signal for rated output—Ceramic, equalization at 1 kc	0.30 volts
Signal for rated output—Tuner	0.50 volts
Signal for rated output—Playback (tape monitor)	0.65 volts
Signal-to-noise ratio with loudness at minimum	77 dB down
Signal-to-noise ratio at Tuner input	66 dB down
Signal-to-noise ratio at Mag. phono input	57 dB down
Scratch filter (switchable)	Above 5 kc
Rumble filter (automatic)	Below 20 cps*
Tone controls — Treble (at 10 kc)	8 dB boost/12 dB cut
Bass (at 50 cps)	11dB boost/14 dB cut
Input impedance — Mag. phono	50 k. ohms
Input impedance — Ceramic	3.3 m. ohms
Input impedance — Tuner	470 k. ohms
Input impedance — Playback (tape monitor)	150 k. ohms
Speaker output impedance	4, 8 and 16 ohms
Minimum recommended load resistance on tape outputs	100 k. ohms
Maximum recommended cable capacitance on tape outputs (with 10 ft. cable)	330 mmFds.
Range of line voltage and frequency	210-250 volts/50-60 cycles
Power consumption — 230 volts at 50 cps (AC only)	120 watts

* All H. H. Scott amplifiers and pre-amplifiers incorporate a sharp cut-off filter (12 dB or sharper per octave) which becomes fully operative below 20 cycles.