

*"... Just like being there..."*

**WAY** RADIO & TELEVISION CORP.  
60 West 45th Street  
New York 19, N. Y.



# Concertone

## RECORDERS AND ACCESSORIES

RECOMMENDED BY EXPERTS  
FOR COMPLETE VERSATILITY AND PROFESSIONAL RELIABILITY.

IF YOUR RECORDER DOES NOT HAVE THESE FEATURES YOU ARE NOT REALIZING THE FULLEST ADVANTAGE OF TAPE RECORDING.

## COMPARE BEFORE YOU BUY

### *Lowest Price*

Reproduces entire audible range without distortion. "The Concertone tape recorder... is the lowest priced machine in the semi-professional area that can provide unquestioned high fidelity recording of professional quality."

**HOME MUSIC SYSTEMS**, by Edward T. Canby



### *10 1/2 inch reels*

Permit up to 2 hours recording without interruption. "... to obtain good results in tape recording, the least expensive recorder must cost over three hundred dollars. Many music lovers have learned this by bitter experience, which has cost them not only time and grief, but many dollars as well for equipment they could only dispose of at a loss..."

**MAKE MUSIC LIVE**, by Irving Greene,  
James R. Radcliffe, Robert Scharff

### *3 Heads*

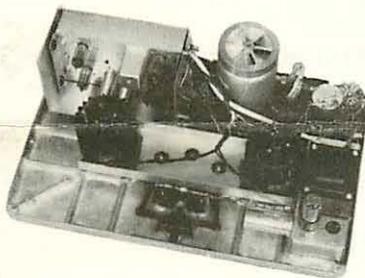
Permit Monitoring Direct From the Tape While Recording. "... Tape recorders are available with two or three heads; all recorders have an erase head. Recorders with two heads use the second head alternately for recording and reproduction. The Concertone utilizes three heads: one for erase, one for recording, and one for playback or reproduction. "The requirements for optimum performance in recording and reproduction are not alike; consequently a double-duty head is, at best, a compromise. Better quality is obtained when three heads are used, as each can then be designed for best performance in a specific application."

**HIGH FIDELITY SIMPLIFIED**  
by Harold D. Weiler

### *3 Motors*

Assure accurate tape motion. "... at 15 inches a Concertone tape can very nearly equal the best quality to be had at any price — high recommendation for a machine that sells for about one-fifth the cost of an average professional model."

**HOME MUSIC SYSTEMS**,  
by Edward T. Canby



**ECONOMIES IN PRODUCTION AND SIMPLIFIED DESIGN  
SAVINGS ARE PASSED ON TO YOU—GREATEST VALUES IN TAPE RECORDERS  
AT SPECIAL PROFESSIONAL USER NET PRICES**

# Lowest Prices for

# Concertone as low as \$345

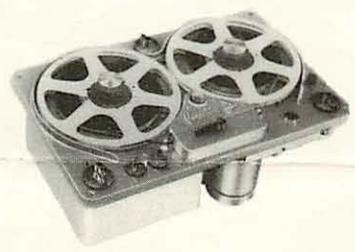
"...just like be



1500 RECORDER  
MODEL 504  
CARRYING CASE  
WITH MONITOR  
AMPLIFIER AND  
LOUDSPEAKER



1501  
two speed  
direct drive



307 SOUND-ON-SOUND "S-O-S"  
quential recordings with one  
cludes conversion kit . . . . .

## 1500 SERIES

## 1600 SERIES

### THE BASIC RECORDER MODEL 1501

**SIZE:** 22" x 14" x 6" mounting depth below panel.

**RECORDING SPEEDS:** 7.5" and 15" per second. Rewind speed: 10 1/2" NAB reel in 1 minute.

**FREQUENCY RESPONSE:** ±2 db from 50 to 15,000 cycles at 15"/sec. ±2 db from 50 to 9,000 cycles at 7.5"/sec.

**FLUTTER AND WOW:** 0.1% at 15"/sec.; 0.3% at 7.5"/sec.

**SIGNAL TO NOISE RATIO:** Better than 50 db.

**TOTAL HARMONIC DISTORTION:** Less than 2% at normal maximum signal level.

**INPUT IMPEDANCE:** 200,000 ohms.

**OUTPUT IMPEDANCE:** 20,000 ohms.

**MINIMUM INPUT SIGNAL:** 2 millivolts.

**OUTPUT SIGNAL:** Audio — 1 volt.

**PLAYING TIME, SINGLE TRACK:** 7" reel, 16 min. at 15"/sec.; 32 min. at 7.5"/sec.; 10 1/2" reel, 33 min. at 15"/sec.; 66 min. at 7.5"/sec. Double above times for dual track recording.

**POWER REQUIREMENT:** 200 watts, 117V., 60 cycle single phase.

### THE BASIC RECORDER MODEL 1502

As above with 2-speed direct drive hysteresis synchronous motor for extreme timing accuracy (±0.3%).

### THE BASIC RECORDER MODEL 1503

As above (1501), for recording speeds of 7.5" and 3.75" per second.

- 1501 BASIC RECORDER: 7 1/2 and 15 i.p.s. tape speeds. Drive mechanism; power supply; erase, record and playback preamplifier, mounted on cast aluminum panel. Packed in corrugated shipper, ready for custom installation. \$345.00
- 1503 BASIC RECORDER: 3 3/4 and 7 1/2 i.p.s. . . . . \$345.00
- 1502 BASIC RECORDER: 7 1/2 and 15 i.p.s. With two-speed hysteresis synchronous direct drive motor. Mount any position- horizontal to vertical reel locks and automatic cut off switch included as standard accessories. \$445.00

**MODEL 1601: SIZE:** 22" x 14" x 6" mounting depth below panel.

**RECORDING SPEEDS:** 7.5" and 15" per second.

**REWIND SPEED:** 10 1/2" NAB reel in 1 minute.

**FREQUENCY RESPONSE:** ±2 db from 50 to 15,000 cycles at 15"/sec. ±2 db from 50 to 7,500 cycles at 7.5"/sec.

**FLUTTER AND WOW:** 0.1% at 15"/sec.; 0.3% at 7.5"/sec.

**SIGNAL TO NOISE RATIO:** Better than 45 db.

**TOTAL HARMONIC DISTORTION:** Less than 2% at normal maximum signal level.

**INPUT IMPEDANCES:** 200,000 ohms.

**OUTPUT IMPEDANCES:** 20,000 ohms.

**MINIMUM INPUT SIGNALS:** 2 millivolts.

- 1601 STEREO-BINAURAL RECORDER: Dual electronic chassis. Separate 2-channel record and playback heads. Direct drive induction motor. 7 1/2 and 15 i.p.s. . . . . \$495.00
- 1602 STEREO-BINAURAL RECORDER: Same as 1601, except with 2-speed hysteresis synchronous motor. 7 1/2 and 15 i.p.s. \$595.00
- 1603 STEREO-BINAURAL RECORDER: Same as 1601, except for 3 3/4 and 7 1/2 i.p.s. . . . . \$495.00

**OUTPUT SIGNALS:** Over 1 Audio volt.

**PLAYING TIME:** 7" reel, 16 min. at 15"/sec.; 32 min. at 7.5"/sec.; 10 1/2" reel, 33 min. at 15"/sec.; 66 min. at 7.5"/sec.

**POWER REQUIREMENT:** 200 watts, 117V., 60 cycle single phase. 2-speed direct drive induction motor.

**MODEL 1602:** As above, except with 2-speed direct drive hysteresis synchronous motor for extreme timing accuracy (±0.3%).

**MODEL 1603:** As above (1601), except recording speeds of 7.5" and 3.75" per second.

**TAPE SPEEDS:** Instant selection 7.5"/Sec.

**FREQUENCY RE:** ±2 db from 40 at 15"/sec. ±2 db at 7.5"/Sec.

**SIGNAL TO NOI:** 55 db as meas NARTB standa 3% T.H.D.)

**TOTAL HARMON:** 2% at zero V.U.

**TIMING ACCUR:** Better than 99.

**TOTAL FLUTTER:** Less than 0.1% Less than 0.2%

**REWIND AND FA:** Less than 60 se

## CONCERTON

- SBM-1 PAIR OF MATCHED BINAURAL complete with phasing di input . . . . .
- SBM-2 PAIR OF MATCHED BINAURAL for low impedance input Turns off recorder at end . . . . .
- ACO-1 AUTOMATIC CUT-OFF: For RMA standard hubs of b . . . . .
- 801 NAB REEL ADAPTER: For . . . . .
- 802 NAB 10 1/2" REELS: Low on both sides. Conform t . . . . .
- 803 Set of three aligned head . . . . .
- 804 Set of three aligned head . . . . .
- 504 CARRYING CASE: extended range over connections for portabl . . . . .
- 505 CARRYING CASE: With speaker, with all connec 1500 and 1600 series . . . . .

Effective May 15, 1954 (Prices subject to change without notice)



best in sound

# Berlant Associates

4917 W

# Highest Quality!

## Berlant as low as \$545

ing there"



ADAPTER: For making se-  
Concertone Recorder. In-  
\$19.95



### BROADCAST RECORDER

of 15"/Sec. or  
**RESPONSE:**  
 to 15,000 C.P.S.  
 300 C.P.S.  
**SE RATIO:**  
 ired by proposed  
 d (400 C.P.S. at  
**IC DISTORTION:**  
**CY:**  
 3%.  
**AND WOW:**  
 RMS at 15"/Sec.  
 RMS at 7.5"/Sec.  
**ST FORWARD:**  
 s. for 2500 feet.

**FROM STOP TO 15"/SEC.:**  
0.1 second.

**HEAD MOUNTING:**  
Interchangeable Bracket mount-  
ing up to FIVE heads.

**METER INDICATION:**  
Bias current, record level, output  
level.

**MONITOR OUTPUT:**  
From tape or input signal.

**INPUT IMPEDANCE:**  
One megohm on high impedance  
microphone input. 50/250 ohms  
balanced or unbalanced with  
plug in transformer #T-3344.

**INPUT SENSITIVITY:**  
200,000 ohms unbalanced bridg-  
ing input.

**INPUT SENSITIVITY:**  
55 db on microphone input.  
0.1 volt on bridging input.

**OUTPUT IMPEDANCE:**  
Cathode follower. 600 ohms bal-  
anced output with plug in trans-  
former #T2560.

**OUTPUT LEVEL:**  
2 volts from cathode follower  
output.  
Zero DBM across 600 ohm line.

**FILAMENT SUPPLY:**  
D.C. on all filaments.

**DIMENSIONS:**  
Drive mechanism, 14"x 19".  
Mounting Depth, 6" below panel.  
Amplifier, 5 1/4"x 19".  
Mounting depth, 6" below panel.

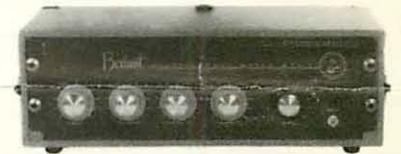
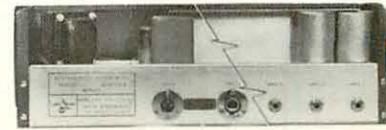
**WEIGHT:**  
Drive mechanism, 35 Lbs.  
Amplifier, 10 Lbs.

**TUBE LIST:**  
2-12AX7; 1-12AT7; 2-12AU7;  
1-12BH7; 1-6X5GT

**POWER REQUIRED:**  
160 watts, 60 cycles, 115 volts.

- BR-1 BROADCAST RECORDER: 7 1/2 and 15 i.p.s. Complete, con-  
sisting of separate drive mechanism and amplifier. Rack  
panel or horizontal mounting, single track heads \$545.00
- BRDC-1 CARRYING CASE for Broadcast Drive Mechanism \$62.50
- BRAC-1 CARRYING CASE for Broadcast Amplifier and Multi-Channel  
Mixer \$62.50
- BR-2 BROADCAST RECORDER: Same as BR-1, except with dual  
track heads \$545.00

Effective May 15, 1954 (Prices subject to change  
without notice)



### MULTI-CHANNEL MIXER

**OUTPUT CONTROL:**  
Master gain controls mixed sig-  
nal from all four channels simul-  
taneously.

**OUTPUT LEVEL:**  
2 volts from cathode follower out-  
put. Zero DBM across 600 ohm line.

**FILAMENT SUPPLY:**  
D.C. on all filaments.

**DIMENSIONS:**  
Mounted on 5 1/4" x 19" relay  
rack panel. Depth behind panel  
mounting surface, 6 inches.

**WEIGHT:**  
12 pounds without plug-in trans-  
formers.

15 pounds with 5 plug-in trans-  
formers.

**POWER REQUIRED:**  
115 volts, 60 cycles, 40 watts.

**FREQUENCY RESPONSE:**  
50-15,000 CPS ± 1 db.

MCM-2J BASIC MIXER, fitted with 3-contact telephone jacks.

- \$137.50
- MCM-2C MIXER, fitted with Cannon XL connectors..... \$145.00
- MCM-2R MIXER, with push-pull stage and transformer for +15VU  
600 ohm output and Cannon XL connectors..... \$175.00
- T-3344 INPUT TRANSFORMER: Full frequency response shielded  
plug-in transformer for matching high impedance input  
to 50/250 ohm microphones ..... \$18.00
- T-2560 OUTPUT TRANSFORMER: Full frequency response plug-in  
transformer for matching cathode follower output to 600  
ohm balanced line output ..... \$25.00
- L-69 LOSSER PAD: To attenuate high impedance high level  
signals to match microphone level. Attenuation can be set  
at zero db, 25 db, or 50 db ..... \$7.50
- E-47 PHONO EQUALIZER: Matches variable reluctance pick-up  
to microphone input ..... \$7.50
- CC-1 CARRYING CASE for Mixer, MCM-2 ..... \$24.50

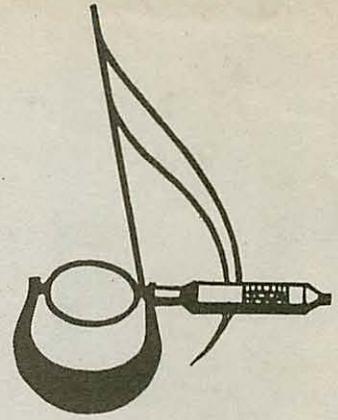
### ACCESSORIES

- JRDL DYNAMIC MICROPHONES,  
c and case. For high impedance  
\$135.00
- JRDL DYNAMIC MICROPHONES,  
\$135.00
- r models 1501, 1502 and 1503.  
of reel or if tape fails... \$5.95  
mounting NAB 10 1/2" reels on  
mic recorder ..... \$2.00
- ertia 2500 foot reels, flanged  
to NAB Recommended Standards  
\$2.75
- ls, dual track ..... \$42.50
- is, single track ..... \$42.50
- with monitoring amplifier,  
ake mount for 4 reels and all  
system. For 1500 series only  
\$82.50
- ut monitoring amplifier and  
ions. For portable system. For  
\$47.50



MIDWAY RADIO & TELEVISION CORP.  
60 West 45th Street  
New York 19, N. Y.

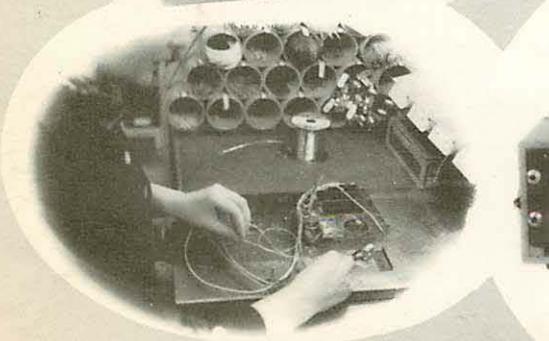
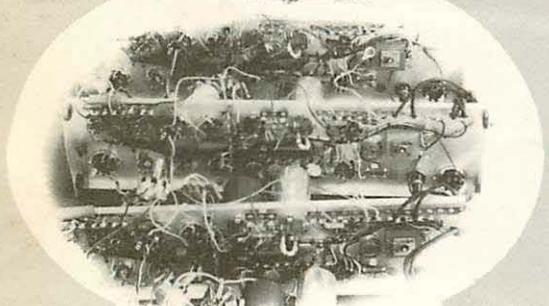
# Berlant



## **BROADCAST TAPE RECORDER AND ACCESSORIES**

The new Berlant Broadcast Tape Recorder and accessory line introduces a history-making development for the broadcast station and recording studio user.

Designed after years of intensive research as to the needs and desires of the professional, Berlant equipment is destined to establish new standards for performance, dependability, and economy of operation.





# Concertone

20/20  
SERIES

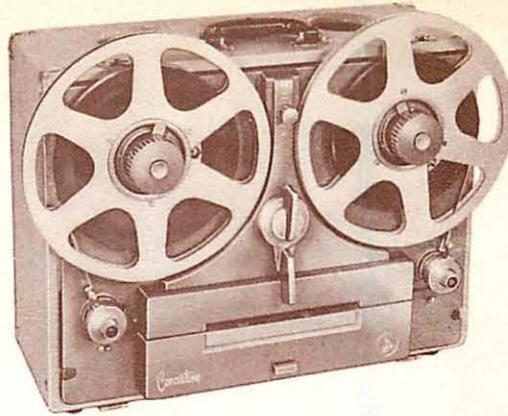
## RECORDERS

### SPECIFICATIONS

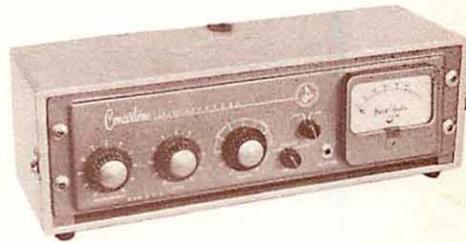
- TAPE SPEEDS:** Instant selection of 15"/Sec. or 7.5"/Sec.  
Also available at 7.5"/Sec. and 3 3/4"/Sec.
- FREQUENCY RESPONSE:** Usable response from 20 to 20,000 cps.  
± 2db from 40 to 15,000 cps. at 15"/Sec.  
± 4db from 40 to 15,000 cps. at 7.5"/Sec.
- SIGNAL TO NOISE RATIO:** 55db as measured by proposed NARTB standard (400 cps. at 3% T.H.D.)
- TOTAL HARMONIC DISTORTION:** 2% at Zero V.U.
- TOTAL FLUTTER AND WOW:** Less than 0.1% RMS at 15"/Sec.  
Less than 0.2% RMS at 7.5"/Sec.
- REWIND AND FAST FORWARD:** Less than 60 secs. for 2500 feet.
- FROM STOP TO 15"/SEC.:** 0.1 second.
- HEAD MOUNTING:** Interchangeable Bracket mounting up to FIVE heads
- METER INDICATIONS:** Bias current, record level, output level.
- MONITOR OUTPUT:** From tape or input signal.
- SIGNAL MIXING:** Variable from Line and Microphone.
- INPUT IMPEDANCE:** One megohm on high impedance microphone input.  
50/250 ohms balanced or unbalanced with plug-in transformer #T-3344.  
200,000 ohms unbalanced bridging input.
- INPUT SENSITIVITY:** 1 MV on microphone input  
.06 volt on bridging input
- OUTPUT IMPEDANCE:** Cathode follower or 600 ohms balanced output with plug-in transformer #T-2560.
- OUTPUT LEVEL:** 6 volts from cathode follower output.  
Zero DBM across 600 ohm line.
- FILAMENT SUPPLY:** D.C. on all filaments.
- DIMENSIONS:** Drive mechanism, 14"x19"  
Mounting depth, 6 1/2" below panel  
Amplifier, 5 1/4"x19", mounting depth 6" below panel.
- WEIGHT:** Drive mechanism, 35 lbs. — Amplifier, 10 lbs.
- TUBE LIST:** 2-12AX7, 1-12AT7, 2-12AU7, 1-12BH7, 1-6X5GT.
- POWER REQUIRED:** 220 Watts, 60 cycles, 115 volts.

### OUTSTANDING FEATURES

- FIVE HEADS**  
Provision for two more than the three standard heads permits a combination of single and dual track operations. An additional amplifier makes both monaural and binaural recordings possible.
- UNIFIED CONTROL**  
One simple convenient error-proof lever system. Fast forward and rewind speeds completely variable.
- A-B TEST FADER**  
Monitors during recording between incoming signal and tape output without transients or clicks. Separate playback volume control while recording.
- TWO-CHANNEL MIXER**  
Through built-in circuitry line signal can be mixed with microphone input and both recorded on tape simultaneously.
- STAND-BY CONNECTIONS**  
Permit signal source to feed directly into power amplifier and speaker when recorder is not in use.
- THREE MOTORS**  
For minimum wow and flutter. Two speed capacitor induction motor for direct drive. Shaded pole take-up and supply motors.
- COLOR SCHEME**  
Specially designed for home installation.
- AND IN ADDITION:**  
Simplified cueing and editing. Accidental erasure eliminated. Signal level meter. Straight line threading. Adjustable bias. Automatic cutoff switch. Improved reel locks. Operates in any position.



TWD-1 Drive mechanism in TWDC case



TWA-1 Amplifier in TWAC case

### USER'S NET FAIR TRADED PRICES

TWR-2	20/20 RECORDER: 7 1/2 and 15 i.p.s. Complete, consisting of separate drive mechanism and amplifier. Vertical or horizontal mounting, dual track heads (Without cases) .....	\$445.00
TWR-1	20/20 RECORDER: same as TWR-2, except with single track heads .....	\$470.00
TWR-3	20/20 RECORDER: same as TWR-2, except for 3 3/4 and 7 1/2 i.p.s. tape speeds .....	\$445.00
STW-4	20/20 STEREO-MONAUROAL RECORDER: with additional amplifier unit, 2-channel "stacked" heads and necessary wiring .....	\$695.00
TWDC	CARRYING CASE: for 20/20 drive mechanism .....	\$ 47.50
TWAC	CARRYING CASE: for 20/20 amplifier .....	\$ 24.50
TWDA	CARRYING CASE: for 20/20 drive and amplifier .....	\$ 67.50
TWA-1	20/20 AMPLIFIER UNIT: for stereo-monaural operation .....	\$180.00
CT-1	SINGLE TRACK ERASE HEAD .....	\$ 27.50
CT-3	SINGLE TRACK RECORD HEAD .....	\$ 27.50
CB-3	STEREO-BINAURAL RECORD HEAD .....	\$ 37.50
CB-5	STEREO-BINAURAL PLAYBACK HEAD .....	\$ 37.50
T-3344	TRANSFORMER: plug-in type for 50/250 ohms input, balanced or unbalanced .....	\$ 18.00
T-2560	TRANSFORMER: plug-in type for 600 ohm balanced output .....	\$ 25.00

Berlant & Concertone

4917 West Jefferson Blvd.,  
Los Angeles 16, Calif.

### DISTRIBUTED BY

4750  
2450  
7210

20/20 COMPL. 470.00  
DUAL CASE, 47.50  
24.50  
542.00

470.00  
67.50  
537.50

SINGLE CASE → 537.50



20/20  
SERIES

# Concertone

RECORDERS

## THE CONCERTONE 20/20 RECORDER

As the phenomenal growth of tape recording continues and recorder owners become more and more exacting, it behooves the manufacturer to see to it that he keeps pace with these increasing requirements.

It has been the constant aim of Berlant Associates to produce a tape recorder of the highest possible quality at a price that the average music lover and sound enthusiast could afford to pay. It is this determination that has brought Concertone to such a dominant position in the recording industry. Year by year we have incorporated improvements in design and workmanship whenever it was possible to make a better Concertone by doing so.

In the meantime Mr. Bert Berlant and his engineering staff have been engaged in a long-term project, the development of an entirely new type of recorder that would not only keep up with the amazing progress of the recording art, but would lead the way to new standards of simplicity, dependability and performance.

For more than two and a half years they have designed, tested, discarded, studied, redesigned, retested, disagreed, argued, restudied . . . and so on through many such cycles until they came up with what has aptly been called "the answer to the audiophile's prayer"—The Concertone 20/20!

But ahead of it, as a sort of advance guard, came another model, a strictly professional job, the Berlant Broadcast Recorder, BR-1. Introduced last May in Chicago, it proved to be the sensation of the National Electronic and NARTB Shows. Its price of \$545 for a machine that surpassed in versatility and performance recorders selling for two and three times that much left competitors gasping.

It can now be revealed how our engineers took a page from the book of General Motors and the other giants of the automotive industry, which cut costs enormously by stamping out body shells and casting many of the parts for their various lines of cars from the same set of dies. We decided to do the same with the Broadcast Recorder and the 20/20.

Only by spreading the cost of the many precision dies over both lines of machines could we give you so much for your money. Most of the parts, therefore, in the 20/20 are identical with those in the Broadcast. Only such components as motors and the exterior finish are different. That is the explanation why the Concertone 20/20 is the ultimate in the high fidelity field—a truly professional recorder at a fraction of the price of any comparable model.

If you need further proof, just read the accompanying specifications.



TO THE AUDIOPHILE . . .

Compare this machine, point by point, with any other recorder on the market. You will find it ideally suited to your needs.

Bert Berlant



MANUFACTURERS OF BERLANT  
PROFESSIONAL TAPE RECORDERS  
AND ACCESSORIES



# Berlant

**BR-1**

## BROADCAST RECORDER

### SPECIFICATIONS BR-1

**TAPE SPEEDS:**  
Instant selection of 15"/Sec. or 7.5"/Sec.

**FREQUENCY RESPONSE:**  
±2 db from 40 to 15,000 I.P.S. at 15"/Sec.  
±2 db from 40 to 10,000 I.P.S. at 7.5"/Sec.

**SIGNAL TO NOISE RATIO:**  
55 db as measured by proposed NARTB standard (400 I.P.S. at 3% T.H.D.)

**TOTAL HARMONIC DISTORTION:**  
2% at zero V.U.

**TIMING ACCURACY:**  
Better than 99.8%.

**TOTAL FLUTTER AND WOW:**  
Less than 0.1% RMS at 15"/Sec.  
Less than 0.2% RMS at 7.5"/Sec.

**REWIND AND FAST FORWARD:**  
Less than 60 secs. for 2500 feet.

**FROM STOP TO 15"/SEC.:**  
0.1 second.

**HEAD MOUNTING:**  
Interchangeable Bracket mounting up to FIVE heads.

**METER INDICATION:**  
Bias current, record level, output level.

**MONITOR OUTPUT:**  
From tape or input signal.

**INPUT IMPEDANCE:**  
One megohm on high impedance microphone input. 50/250 ohms balanced or unbalanced with plug in transformer #T-3344. 200,000 ohms unbalanced bridging input.

**INPUT SENSITIVITY:**  
55 db on microphone input.  
0.1 volt on bridging input.

**OUTPUT IMPEDANCE:**  
Cathode follower. 600 ohms balanced output with plug in transformer #T2560.

**OUTPUT LEVEL:**  
2 volts from cathode follower output.  
Zero DBM across 600 ohm line.

**FILAMENT SUPPLY:**  
D.C. on all filaments.

**DIMENSIONS:**  
Drive mechanism, 14"x 19".  
Mounting Depth, 6" below panel.  
Amplifier, 5 1/4"x 19".  
Mounting depth, 6" below panel.

**WEIGHT:**  
Drive mechanism, 35 Lbs.  
Amplifier, 10 Lbs.

**TUBE LIST:**  
2-12AX7; 1-12AT7; 2-12AU7;  
1-12BH7; 1-6X5GT

**POWER REQUIRED:**  
160 watts, 60 cycles, 115 volts.



### PROFESSIONAL USER NET PRICE

- BR-1** Broadcast Recorder: 7 1/2 and 15 i.p.s. Complete, consisting of separate drive mechanism and amplifier. Rack panel or horizontal mounting. Single track heads ..... **\$545.00**
- BRDC-1** Carrying Case for Broadcast Drive Mechanism ..... **47.50**
- BRAC-1** Carrying Case for Broadcast Amplifier and MCM-2 Multichannel Mixer..... **47.50**

distributed by:

**BERLANT ASSOCIATES**  
Manufacturers of Concertone  
4917 West Jefferson Boulevard,  
Los Angeles 16, California

## PLUS

### CUEING AND EDITING

The cueing position of the BR-1's unified control places the tape in contact with the heads and releases the brakes so that the reels can be rotated by hand while listening to the signal. When the exact cue point is reached, the control lever is switched to editing position, opening the head cover for easy access to the tape.

### ERASE SAFETY

Positive interlock of record system with the control level makes accidental erasure impossible.

### SIGNAL LEVEL INDICATOR

An extremely accurate and stable VTVM circuit measures bias level. The 4 1/2" illuminated meter is a dependable guide to the operator at all times.

### STRAIGHT LINE THREADING

Quick and simple loading is achieved by straight line threading of the tape, which, in operation, is completely entrapped within hardened ground guides. Striction effects, amplitude variations and tracking error are reduced below any former standards.

### TENSION ARMS

Unique design of the tension arms makes for facility in loading and proper filtering of disturbances in the tape motion.

### THREE MOTORS

Combined with the new Unisync Drive are two expertly engineered, heavy duty torque motors for proper tape motion in record, playback, fast forward and rewind positions.

### ADJUSTABLE BIAS

A bias level adjustment with adequate reserve permits resetting bias to suit special requirements of various tape coatings for perfection in recording.

### AUTOMATIC CUT-OFF

In case of tape breakage or run-out, recorder is automatically turned off.

### REEL LOCKS

The Berlant "Reelok" of original design positively fastens all sizes of reels, including the 10 1/2" NARTB, without use of adapters.

### MAINTENANCE

The combination of unitized construction with plug-in connectors and open access to all components, coupled with freedom from belts, clutches or pulleys, results in simplicity of maintenance unequalled in any other recorder now available.

## EXCLUSIVE FEATURES

### UNISYNC DRIVE

This radical improvement in design brings a new standard of quality to sound recording. An integral unit, consisting of an "inside out" hysteresis synchronous motor, fly-wheel and blower provides a cooler, lighter, smoother drive than has been previously possible.

### FIVE HEADS

Instead of the usual three heads, the BR-1 can accommodate up to five. This permits playback of a delayed broadcast while recording an incoming program on the same tape. Single and dual track operation of one recorder is also possible.

### UNIFIED CONTROL

All operations of the recorder are combined in a single, convenient error-proof lever system. Tape handling in fast forward and rewind can be at any speed from zero to full spooling. This permits rapid location of any desired section of tape.

### A-B TEST FADER

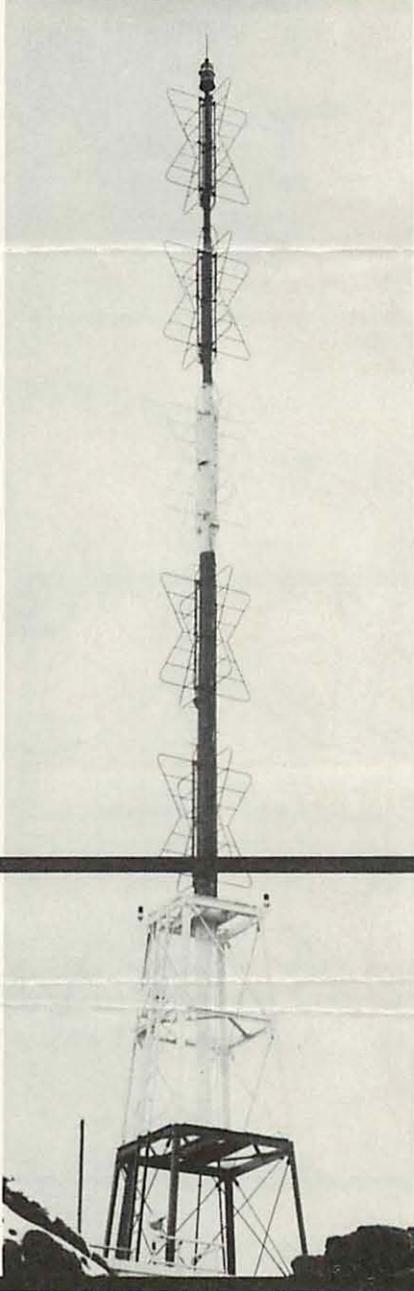
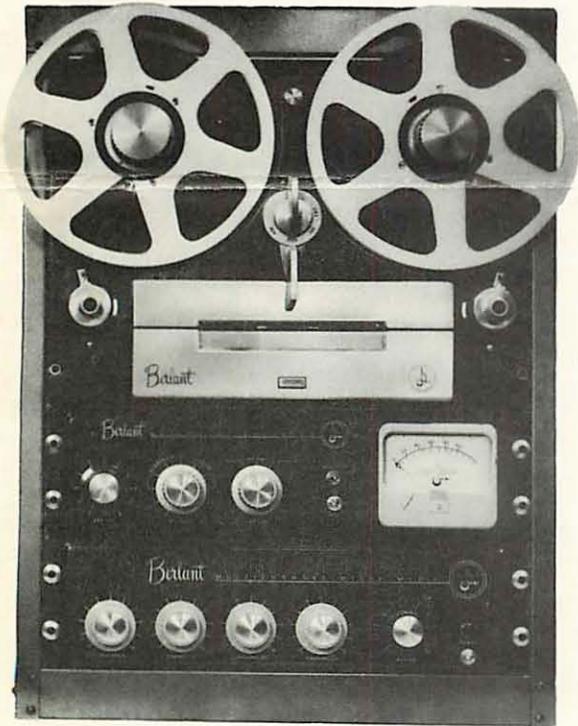
An exclusive method of fading from the incoming signal to playback from the tape eliminates all clicks and noises previously inherent in such A-B tests.



# Berlant



## BROADCAST RECORDER



### ANSWERS THE NEED

In a nation-wide questionnaire the chief engineers of radio stations and recording studios were asked to set the specifications for the ideal professional tape recorder.

They did... THIS IS IT!

### PERFORMANCE

Every requirement of frequency response, freedom from distortion, stability of motion, dynamic range, timing accuracy and tape handling ability is met and exceeded by this recorder at both tape speeds.

### DEPENDABILITY

Designed and built for continuous operation under the most rigorous conditions, this recorder combines rugged components and advanced engineering to guarantee maximum dependability with minimum maintenance.

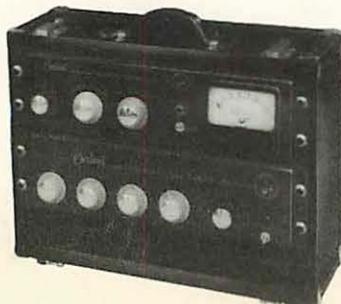
### SIMPLICITY

New concepts in design, construction and operation result in a functional simplicity that is reflected in the recorder's performance, dependability and last, but not least — economy.

### To the Engineer:

Compare this machine, point by point, with any other recorder on the market, regardless of price. You will find it the ideal recorder for your needs.

*Best Berlant*



BERLANT ASSOCIATES  
Manufacturers of

# Concertone

World's Foremost  
High Fidelity  
Tape Recorder