

NEWCOMB



NEUCOMB® T SERIES® NEW FEATURES TO ADD A PROFESSIONAL

PROFESSIONALLY NEW! ALL THE WAY THROUGH

Newness is not merely a surface feature. Newcomb's new T Series portable music/P.A. systems are fairly saturated with newness. Everything ... but everything has been reevaluated, newly designed, newly engineered. From the vantage point of more continuous specialized years in the field than any other manufacturer, Newcomb has taken a completely fresh look at the audio needs and desires of dance callers, folk dancers, club members, public speakers, sales managers, educators, and entertainers. The result is a series of synergistically matched systems that represent the greatest advance in such equipment in two decades. In our estimation the Newcomb T Series truly obsoletes all other equipment made for similar purposes by Newcomb or anyone else. Although of all-solid-state construction, the T Series is not merely a "transistorization" of previously successful Newcomb systems. Instead, they incorporate vast improvements in every respect. In the T Series are six new amplifierturntable models in which distortion from every source has been attacked and reduced. Even the tone arm, pickup cartridge, and turntable are newly designed for fidelity that is unique in portable equipment. Eleven new loudspeaker systems provide a clarity of reproduction, smoothness of coverage, and extension of frequency and dynamic responses that every dancer and listener will appreciate and enjoy.

The new T Series begins where other previous Newcomb models leave off. There are so many innovative features that it may take you a while to comprehend them all. But if good sound is an important part of your activities, your study will be repaid. You will find everything from a wireless mike input (XT Models) to an output-to-tape jack. Outstanding features—automatic voice over features-automatic voice override, manual voice override, instant pause, new filter, lighted control panels, lighted volume meter (XT Models), anti-feedback, new monitor (built in XT control of the con series), new Pre-vue feature, new presence control, completely independent mike and music tone controls, loudness compensation. brilliant strobe lighting, new easy viewing strobe, colorful styling, high line voltage warning light and selector . . . just about any feature you could ask for—you'll find it in one or another T Series system. In short, nothing has been left out that will increase the pleasure of your audience and make you, the user, look your professional best.

MIC. 1 TRIGGER LEVEL

NEW AUTOMATIC VOICE OVERRIDE

Start speaking or dance calling into the microphone and the music from the turntable automatically drops in level so your words come through loud and clear. When you stop calling the music level rises smoothly to the volume you have set. Next best thing to having an expert sound technician on the controls. You have a choice of three lower levels to which the music drops. Another control sets the microphone "trigger" level that will activate the override. And there's a red indicator light that turns on when the override is activated. It's a great feature for dance callers. Great for performers who want to talk or recite with a music background. And for singers with a recorded accompaniment. Ballroom and ballet dance teachers. can count steps and give instructions while the music's playing. Music appreciation teachers can comment without stopping the music

MANUAL OVERRIDE

And if, for some reason, you want to override the music manually instead of automatically, you simply leave the "-1" in its off position and push either the -2 or -3 button.







NEW DUAL-ANGLE STROBO-SCOPE VIEWING — you can stop the dots whether you're standing or sitting. New bright-ness on T-50 and larger mod-



NEW PRE-VUE FEATURE IN MONITORS permits listening to record without sound going out over main reproducers



PHONO VOLUME CON-TROL - Loudness compensation in the phono volume control can be push-buttoned in or out.



ANTI-FEEDBACK CONTROL can make the difference between a successful or disastrous engagement.

NEW PRESENCE CONTROL (on T-50 and larger), all mike channels, greatly enhances voice presence and intelligibility if needed.



OUTPUT TO TAPE OR SLAVE. Permits connection of tape recorder or to aux. input of additional T Series amplifiers for added power and coverage of special

ALL-NEW REPRODUCERS - loudspeaker systems with the highest efficiency, greatest range, and smoothest wide coverage you've ever heard from a portable. There are eleven new models in three basic types that will meet just about any situation you will ever run into.



POLISH TO YOUR PERFORMANCE



BEAUTIFUL NEW TONE ARM — per-fectly balanced — need not be level to track perfectly. No matter what angle the turntable is tilted, the same gentle the turntable is tilted, the same gentle stylus pressure rests on the record, equally distributed on both sides of the groove. You couldn't wear less. The pickup, too, is new, far lower distortion, Diamond/Sapphire styli, a true stereo cartridge wired for monophonic operations as it's fully compatible with starce. tion so it's fully compatible with stereo records.





NEW LIGHTED PAUSEMASTER® **INSTANT PAUSE** CONTROL

St-o-o-o-p the music! Twist the white-lighted knob and the turntable stops right now. Twist



again and it picks up instantly. The Newcomb Pausemaster is the quickest, slickest, easiestto-work instant pause control going. position knob is also the power switch for the whole system and the turntable power switch.

NEW WIDER-RANGE TEMPO CONTROL (Round Dance Callers

Take Note) New thoroughly balanced 4 pole motor in new motor mounts with new turntable mat and new 45 pop-up



results in greatly reduced rumble.



HI AND LOW FREQUENCY FILTERS in phono circuit reduce hiss and rumble from less-than-perfect records.



NEW MICROPHONES, better suited to the needs of the dance caller, are available as an extra-cost accessory



SEPARATE MIKE TONE CONTROLS All mike channels have separate and independent tone and volume controls that don't affect phono chan-

nel. So just about whatever can be done with controls to perfect delivery and perception, you can do with your new Newcomb system.

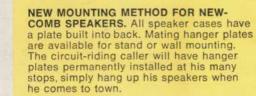


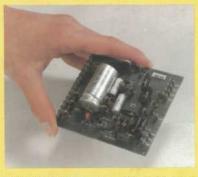
absorbing jolt-soaking material is tuned to characteristic of new arm for maximum turntable/arm stability



NEW QUOIT-STYLE 45 ADAPTER ACCESSORY MODEL 45A

A new all-metal tapered 45 spindle design that speeds and simplifies 45 record handling. Its unique exclusive design helps catch a tossed record, then drops it gently into position for play. Now you can toss a "ringer" with hardly a glance. (Extra cost accessory)





NEW ELECTRONICS—far-in-advance all-solid-state circuits on plug-in circuit boards for easy servicing.

SIMPLIFIED REPAIR

Plug-in circuit boards are used for the various electronic functions in T Series models. Amplifier failure is an unlikely event, but in case a malfunction does occur, it is a simple matter tion does occur, it is a simple matter for a service man to follow the information supplied by Newcomb to determine which board is involved. The board is then easily unplugged and returned via insured air mail to the Newcomb factory in Sylmar. It can then be quickly returned by air mail, plugged back into the system, and you're ready to go again. you're ready to go again.



EUCOMB® MODEL T-40



CASE LID provides a sturdy, rigid, open-back baffle for a 12" woofer and a separate 6" tweeter. Equipped with a 25' cord and phone plug. Sound quality is excellent and coverage exceeds anything previously offered by anyone in a portable self-contained system. The amplifier has plenty of power to drive four 8 ohm loudspeakers. Lid has stowage compart-ment for cord and mike. Speakers are protected in front by kickproof metal grille faced with plastic grille cloth. Speaker line short circuit protection is built into amplifier unit.

NEW DUAL-ANGLE STROBE VIEWING MIRRORS

spot the dots

sitting or standing

85 watts power* WITH VOICE OVERRIDE

The Newcomb T-40 is the most economical, portable, and light weight of the new T Series systems providing voice override and many other features useful to square and round dance callers. An excellent, durable, high performance system with ample power to meet all normal needs of square and round dance callers and entertainers. A truly outstanding value in thoroughly professional equipment.

NEW TURNTABLE with cellular mat and 45 pop-up spindle engineered to dampen out rumble. 4-pole 4-speed motor.

MODEL T-40 with two-way speaker mounted in removable lid measures 16 % " x 17 %" x 11 ½", weighs 361/2 pounds, less mike.

MODEL T-40 #100 without speaker, for use with separate reproducers, measures 16%" x 17%" x $7^{11}/_{16}$ ", weighs 27 pounds.

A second speaker may be added to either the T-40 or T-40S. Model S-112BF matches exactly the two-way speaker in the case lid. 7¾"×16%"×18%" 191/2 pounds.

VOICE OVERRIDE PUSHBUTTONS give choice of 3 lower music levels when voice accuates circuit. Choice of two manually

TRIGGER LEVEL ADJUSTMENT FOR VOICE OVERRIDE SENSITIVITY

MICROPHONE CONTROLS - separate treble, bass, and volume do not affect phono channel.

MICROPHONE INPUT CHANNEL #1 operates voice override.

> RED LIGHT indicates voice override is activated

MICROPHONE INPUT #2

PHONO CONTROLS - separate treble, bass, and volume do not affect microphone channels.

> NUMBERED CALIBRATIONS on phono and microphone controls simplify return to previously determined settings.



Amplifier/turntable unit and loudspeaker snap together for convenient carrying.

MODEL T-40-2461 consists of the T-40 #100 amplifier/turntable unit plus two CS-461 compact column reproducers. This highly portable three-case system provides sound output adequate for most uses. Response is pleasing and well-balanced. This allows amplifier tone controls to re-balance the response for a great variety of needs. With the T-40S unit, the system becomes Model T-40S-2461.



PHONO LOUDNESS

COMPENSATION SWITCH.

Push into "down" position

to activate push again to release.

PHONO FILTERS pushbutton switches.

SEPARATE HIGH AND LOW

AUXILIARY INPUT JACK for using system

MÔNITOR OUTPUT JACK FOR COUPLING TO M-30 MONITOR.

with tape recorder or radio, or as a slave for another system.

NEW NEWCOMB PRECISION-BALANCED TONE ARM WITH FINGER LIFT — only found on Newcomb units holds stylus on record with same gentle 3½ grams no matter how the machine is tilted. Eliminates worry about levelness of turntable. Records last many times longer.

> NEWCOMB PAUSEMASTER instant pause and power switch. Best there is. Lighted knob you can instantly locate dim light also serves as system pilot light.

NEW WIDER-RANGE TEMPO CONTROL goes from +10% to a slow -25%

NEW EXCLUSIVE PICKUP CARTRIDGE is specially developed for extra-low distortion. High-compliance broad-band ceramic turnover type with replaceable diamond/sapphire styli. Gives better tracking at low stylus force, less record wear, smooth response.

MONITOR PROGRAM SELECTOR SWITCH.
"Up," it feeds both mike and phono to monitor; "down," only the music goes to monitor.

*See Chart on page 9.

MODEL T-40S GENERAL PURPOSE MODEL

Without dance caller features-voice override, monitor jack, program selector, and pre-vue feature are not included in this model in order to bring down the cost and make the outstanding audio qualities available to a wider spectrum of users. Otherwise, the T-40S is identical to the T-40. It is a portable music/p.a. system of unprecedented excellence, for school, club, church, industrial and other public entertainment and instructional applications.

MODEL T-40S with two-way speaker mounted in removable lid, measures $16\%'' \times 17\%'' \times 1112''$, weighs 3612 pounds, less mike.

MODEL T-40S #100 without speaker, for use with separate reproducers, measures 16%" x 17%" x 711/16", weights, 27 pounds.



NEWCOMB®

MODEL T-50

100 watts power*

MODEL T-100

200 watts power *

Every inch a pro... from lighted operating panel to high-power output... these new models greatly magnify the scope of the in-demand caller and entertainer. They provide broader coverage and better crowd control for bigger groups, increase their owner's versatility. Not only do they provide more power, but they are equipped with features such as anti-feedback control and presence control to make more effective use of this power. The active professional dance caller can choose between the T-50 and T-100 strictly on the basis of wattage. Both are identical except for power output. Each has six output jacks for powering up to six 8-ohm loudspeakers.

NEW DUAL-ANGLE STROBE VIEWING MIRRORS

- spot the dots sitting or standing

NEW TURNTABLE with cellular mat and 45 pop-up spindle engineered to dampen out rumble. 4-pole 4-speed motor.

NEW EXCLUSIVE PICKUP CARTRIDGE IS specially developed for extra-low distortion. High-compliance broad-band /ceramic turnover type with replaceable diamond/sapphire styli. Gives better tracking at low stylus pressure, less record wear.

NEW NEWCOMB PRECISION-BALANCED TONE ARM WITH FINGER LIFT

— only found on Newcomb units
— holds stylus on record with same gentle 3½ grams no matter how the machine is tilted. Eliminates worry about levelness of turntable. Records last many times longer.

- ANTI-SKATE FEATURE.

*See Chart on page 9.

LIGHTED CONTROL PANEL, diffused fluorescent illumination.

VOICE OVERRIDE PUSHBUTTONS give choice of 3 lower music levels when voice accuates circuits. Choice of two manually.

RED LIGHT indicates voice override is activated.

ANTI-FEEDBACK CONTROL gives a fine-edge adjustment that improves performance in feedback-prone locations.

PRESENCE CONTROL

- two degrees provided - enhances voice intelligibility. On mike channels only.

NUMBERED CALIBRATIONS on phono and microphone controls simplify return to previously determined settings.

MICROPHONE INPUT / CHANNEL #1 operates voice override.

TRIGGER LEVEL
ADJUSTMENT
FOR VOICE
OVERRIDE SENSITIVITY.

SEPARATE SET OF CONTROLS FOR EACH MICROPHONE CHANNEL

MICROPHONE INPUT CHANNEL #2 bypasses override.

AUXILIARY INPUT JACK for using system with tape recorder or radio, or as a slave for another system.

PHONO CONTROLS — separate treble, bass, and volume — do not affect microphone channels.

MONITOR OUTPUT JACK FOR COUPLING TO M-30 MONITOR.

MONITOR PROGRAM SELECTOR SWITCH.

"Up," it feeds both mike and phono to monitor; "down," only the music goes to moritor. NEWCOMB
PAUSEMASTER instant pause
and power switch. Best there is.
Lighted knob you can instantly locate
in dim light also serves as
system pilot light.

NEW WIDER-RANGE TEMPO CONTROL goes from +10% to a slow -25%.

PHONO LOUDNESS COMPENSATION SWITCH.

SEPARATE HIGH AND LOW PHONO FILTERS pushbutton switches.

MODEL T-50 and MODEL T-100 (amplifier/turntable section only) measure 18¼" x 18¾" x 9". T-50 weighs 37½ pounds. T-100 weighs 40 pounds.

MODEL T-100-2482 consists of the powerful T-100 amplifier/ turntable plus two of the highly efficient CS-482 column reproducers. A system to provide terrific impact on any crowd.

SIX

OUTPUT-TO-TAPE JACK, or to slave system.

SERIAL NUMBER

CIRCUIT BREAKER A.C. PROTECTION, pushbutton reset.

ACCESSORY A.C. RECEPTACLE FOR M-30 MONITOR LINE VOLTAGE SELECTOR— 120V or 130V

LINE VOLTAGE INDICATOR glows

when voltage exceeds a safe limit.



NEWCOMB

MONITOR TONE CONTROLS

— One for bass attenuation of monitored voice, the other for treble attenuation of monitored music.

LIGHTED VU METER

Amplifier/monitor section closed for carrying.

ON BACK OF AMPLIFIER/MONITOR SECTION ARE: Eight loud-speaker jacks. Output-to-tape jack, or to slave system. Serial number stamped in metal. Circuit breaker AC protection, pushbutton reset. Line voltage indicator which glows when voltage exceeds a safe limit. Line voltage selector—120V or 130V. Signal input from XT player. Power output to XT player.

METER RANGE ADJUSTMENT

EXTERNAL SPEAKER -JACK (8 ohms only)

MARK OF THE LEADER

Designed for the most advanced dance callers who want the very ultimate, these systems are distinguished by their great power, deluxe features, and withal, their surprisingly convenient carryability. To achieve this Newcomb put the power amplifier in a separate case from the player unit. A low profile is achieved for the phono deck. Both cases are well balanced and easy to carry as a pair. A solid state monitor with a very heavy duty 6" x 9" speaker and ample power is built into the XT-140 and XT-250 systems. A most unusual feature is the large, illuminated VU meter with adjustable sensitivity. This makes it possible to use the full scale of the meter even when the entire system is operating at relatively low volume. It is extremely valuable for balancing voice level and music volume and in helping to maintain an adequate uniform sound level. An output jack from the monitor amplifier to an external speaker can be useful in helping backstage people pick up their cues. The XT-140 and XT-250 have three microphone channels, each with its own separate treble, bass, and volume controls. Voice override is on channel 3. Wireless mike input also activates automatic override. The power, the fidelity, the control features, and the selection of magnificent new reproducers available for the XT models now make it possible to master as never before absolutely any dance assignment. Newcomb's XT-140 and XT-250 inaugurate a new era in professional performance perfection with portable equipment.

PRE INDIC OUT selection of the selection

POWER AMPLIFIER/MONITOR SECTION of XT-140 & XT-250 measures 15" x 18%" x 7¾". Weight of this portion of XT-140 is 24½ lbs. For XT-250, this portion weighs 27 lbs.

Player unit of XT-140, XT-250 amplifiers measure 18%" x 20%" x 7%" and weighs 30% lbs.



MODEL XT-250-2DP4 includes the powerful XT-250 two-case player/amplifier/monitor system and two Model DP-4 ducted port reproducers for the ultimate in portable-system music reproduction.



MODEL XT-250-24843 is Newcomb's finest, most powerful, portable column system. It consists of the XT-250 player/ amplifier/monitor split into two cases for easy carrying, and two new Newcomb SCS-4843 super columns. A system to enhance the reputation of even the most renowned callers.

MICROPHONE INPUT

and #2 bypass overric

MODEL XT-140

245 watts total power* (includes 45 watt monitor)

SUPER-BRIGHT STROBE NEW DUAL-ANGLE STROBE

VIEWING MIRRORS

sitting or standing

View the dots

MODEL XT-250

460 watts total power* (includes 60 watt monitor)
(Except for the power output sections, both models are identical)

*See chart on page 9.

SWITCH cuts out kers

AND SHORT CIRCUIT R LIGHT

AT SPEAKER'S SWITCH tual output ring.

LIGHTED CONTROL PANEL, diffused fluorescent illumination.

ANTI-FEEDBACK CONTROL gives a fine-edge adjustment that improves performance in feedback-prone locations.

CE CONTROL — two degrees — enhances voice lity. On mike channels only.

UME CONTROL

CHANNELS #1

IICROPHONE INPUT CHANNEL #3 perates voice override.

NEW TURNTABLE with cellular mat and 45 pop-up spindle engineered to dampen out rumble. 4-pole 4-speed motor.

NEW EXCLUSIVE PICKUP CARTRIDGE IS specially developed for extra-low distortion. High-compliance broad-band ceramic turnover type with replaceable diamond/sapphire styli. Gives better tracking at low stylus pressure, less record wear.

WITH BUILT-IN MONITOR

Power amplifier and monitor are combined in a separate case for easy carrying

NEW NEWCOMB PRECISION-BALANCED TONE ARM WITH FINGER LIFT—only found on Newcomb units—holds stylus on record with same gentle 3½ grams no matter how the machine is tilted. Eliminates worry about levelness of turntable. Records last many times longer.

ANTI-SKATE FEATURE.

NEW WIDER-RANGE TEMPO CONTROL goes from +10% to a slow -25%.

NEWCOMB PAUSEMASTER instant pause and power switch. Best there is. Lighted knob you can instantly locate in dim light also serves as system pilot light.

RED LIGHT indicates override has functioned.

VOICE OVERRIDE PUSHBUTTONS give choice of 3 *Tower music levels when voice accuates circuit. Choice of two manually.

RED LIGHT indicates

– override button has been depressed.

NUMBERED CALIBRATIONS on phono and microphone controls simplify return to previously determined settings.

SEPARATE HIGH AND LOW PHONO FILTERS

PHONO LOUDNESS COMPENSATION SWITCH.

PHONO CONTROLS — separate treble, bass, and volume — do not affect microphone channels.

PAGLUCIONE

TRIGGER

LEVEL ADJUSTMENT FOR VOICE OVERRIDE SENSITIVITY.

RECEIVER also operates

for using system with tape recorder or radio, or as a slave for another system.

voice override.

INPUT FOR WIRELESS MICROPHONE

AUXILIARY INPUT JACK

Player/control section closed for carrying.

MODEL XT-140-22629 is outstanding for its portability combined with deluxe performance and features. The system consists of the superb two-case XT-140 plus two of the powerful new CS-2629 compact column reproducers. Here is power plus solid durable quality and performance in a surprisingly easy-to-handle package.

MONITOR WITH PREVUE



an indispensable instrument for the dance caller to use with Newcomb models T-40, T-50, and T-100 music/p.a. systems.

The M-30 furnishes reproduction of the system's audio output to the person operating the player unit. Frequently, he is located some distance away from and in back of highly directional loudspeakers — giving him a "second-hand" sound. The M-30 brings the program in close to the caller. On the Newcomb player deck is a program selector switch that provides either music only or music and microphone. On the M-30 panel are the monitor's own volume and separate bass and treble tone controls and the Prevue switch with indicator light. The M-30's innovative Prevue feature enables the performer to check, set up and adjust his program material without the sound going over the main reproducers. Just as extraordinary is the quality of the sound system. The loudspeaker is a very heavy duty 6" x 9" unit. The all-solid-state amplifier delivers 58 watts peak music power. This, of course, is plenty of power to drive an external 8-ohm loudspeaker. A jack for this purpose on the M-30's panel makes it easy to use the M-30 as a slave and to feed the program to the lobby, lounge, or supplementary dance area.

MODEL M-30 MONITOR measures 7%" x $11\frac{1}{2}$ " x $12\frac{3}{4}$ ", weighs 14 pounds.



ON BACK OF THE M-30 ARE:

Signal input jack.

Power receptacle.

Circuit breaker re-set button.

FEATURES COMPARISON CHART

| FEATURES AND SPECIFICATIONS | T-40S SERIES | T-40 SERIES | T-50 SERIES | T-100 SERIES | XT-140 SERIES | XT-250 SERIES | M-30 MONITOR |
|--|-----------------|----------------|----------------|-----------------|--------------------|--------------------|-----------------|
| R.M.S. power output with less than 1% T.H.D. at load impedance in (). | 20 (4) | 20 (4) | 32 (2) | 60 (2) | 60 (2)*a | 120 (2)*c | 15 (8) |
| Peak power output with less than 1% T.H.D. at load impedance indicated in (). | 40 (4) | 40 (4) | 65 (2) | 120 (2) | 120 (2) | 240 (2) | 30 (8) |
| Peak momentary power output with less than 5% T.H.D. at load indicated in (). | 85 (4) | 85 (4) | 100 (2) | 200 (2) | 200 (2)*b | 400 (2)*d | 58 (8) |
| Frequency Response 20-20,000 Hz ±2 db | X | X | X | X | X | X | |
| Super-Bright Strobe | | | X | X | X | X | |
| Anti-skate feature on tone arm | | | X | X | X | X | |
| Number of microphone channels | 1 | 1 | 2 | 2 | 3 | 3 | |
| Voice Presence Control | | | X | X | X | Х | |
| Anti-feedback filter selector | | | X | X | X | X | |
| INPUTS: Microphone Input Jack Wireless Microphone Receiver Jack Auxiliary | 2 X | 2 X | 2 X | 2 X | 3 X X | 3 X X | |
| OUTPUTS: To Speakers (based on 8 ohm speakers) To Tape Recorder or Slave System To Monitor | 4 X | 4 X X | 6 X X | 6 X X | 8 X Built-in | 8 X Built-in | 8 |
| Monitor Program Selector | | X | X | X | Mixer | Mixer | |
| Lighted Volume Indicating Meter with Sensitivity Control | | | | | X | X | |
| Hi-Line Voltage Warning Indicator | | | X | X | X | X | |
| Line Voltage Selector | | | X | X | X | X | |
| Speaker Line Short Circuit Indicator | | | | X | X | X | |
| A.C. Circuit Breaker Protection | X | X | X | X | X | X | X |
| Lighted Operating Panel | | | X | X | X | X | |

ALL NEWCOMB T SERIES PLAYER/P.A. SYSTEMS HAVE THE FOLLOWING FEATURES:

Power Source: 120V 60 Hz A.C.

Phono Motor: 120V 60 Hz A.C., 4 pole, 4 speed, variable speed Tempo Control Range: +10% to -25%

Newcomb Pausemaster Instant Pause/Power Control, 4 position, lighted Stroboscope with dual-angle viewing mirrors.

Unique Universal Impedance Microphone Inputs which accept either low- or highimpedance dynamic microphones.

Accessory A.C. Socket

New Precision-balanced Newcomb tone arm with finger lift. Player can be tilted without affecting operation.
Special extra-low-distortion, high-compliance, broad-band ceramic phono pickup.

Diamond/Sapphire styli, replaceable, turnover type.

Stylus pressure - 31/2 grams

Phono controls:

Loudness compensation on-off selector switch

Bass - tone range: -20 db to +15 db Treble - tone range: -17 db to +14 db

High Frequency Filter Switch Low Frequency Filter Switch

Microphone controls:

Volume

Bass — tone range: 0 to —25 db at 20 Hz Treble — tone range: 0 to —20 db at 20KHz

POWER RATINGS

We hold no brief for any particular method of rating power. In fact, it is our opinion that they all have merit. However, we strongly believe in comparing apples to apples. In any given field the purchaser of new equipment understand the relationship of the new to his old equipment if he compares ratings made by the same method. Most equipment in this field has for some years been rated on the basis of Momentary (Music) Peak Power. Therefore, in order to help you compare new with old, Momentary Peak Power values have been used in the model headings on the pages in this catalog. However, to assist in comparison where other methods are used, additional ratings are given in the above chart.

For new Newcomb T Series purchasers who may wish to relate power ratings to their old TR Series systems, the following recap of TR Series power rating should be helpful:

| MODEL | R.M.S. POWER 5% | MOMENTARY PEAK POWER 5% |
|----------|--------------------|-------------------------------|
| TR-1625 | 10 | 25 |
| TR-1640 | 18 | 40 |
| TR-1656M | 25 | 56 |
| TRS-1680 | 36 | 80 |

*Not including monitor amplifier output as follows:

(a) 20 watts R.M.S. 5% T.H.D. 8 ohm load. (b) 45 watts momentary peak power 5% T.H.D. 8 ohm load. (c) 25 watts R.M.S. 5% T.H.D. 8 ohm load.

(d) 60 watts momentary peak power 5% T.H.D. 8 ohm load.

EXCEPT FOR MODEL T-40S ALL SYSTEMS HAVE THE FOLLOWING FEATURES: Automatic Voice Override with an indicator light,

control of amount of music reduction, override sensitivity "trigger" control. Manual override is available by pushing the -2 or -3 button with the -1 button in its off position.

Prevue Feature - when T-40, T-50 and T-100 models are used with an M-30 monitor - built into the XT-140 and XT-250 monitors.

All monitors have a built-in very heavy duty 6" x 9" loudspeaker, master volume control, bass and treble tone controls, output jack for an external 8 ohm loudspeaker. The monitor in the XT-250 and XT-140 has separate voice and music volume controls.

BUILT TO LAST

Newcomb T Series cases are top-grade %" plywood that is crack-proof and warp-proof covered with extra-tough vinyl that is scratch-resistant and washable. Lids remove completely. "Come-apart" hinges elimi-nate the most vulnerable part of cabinet construction. Corners are protected with metal. Kick-proof metal grilles protect the speakers.

THE IMPORTANCE OF PROPER VOLUME PLUS **AUTOMATIC VOICE OVERRIDE**

Excessive volume can be just as harmful to a successful square dance or excessive volume can be just as narmful to a successful square dance or entertainment as insufficient volume. Too much sound volume increases the length of time reflected waves, "echo," remain audible and capable of interfering with the intelligibility of the main sound wave. In bad halls excessive volume can be a real disaster, making the voice practically unintelligible. Even in good halls, too much music volume can mask the voice, causing dance calls to became unintelligible.

Instrumental music alone, without voice, can be enjoyed at higher volume than when voice is present. However, intelligibility is essential to successful square dance calling, and music volume must be low enough to permit

understanding the calls.

There is an overall volume level that is correct for each hall. This is a level which should never be exceeded. By listening from various locations you can establish this correct level for your music. But now if you add voice volume to this music level, you will go beyond the desirable volume for the hall. What you want is a means for lowering the music level so that music and voice together will equal the overall optimum volume. And that is exactly what the Newcomb Automatic Voice Override accomplishes.

On all Newcomb T Series models except the T-40S, Newcomb's unique Automatic Voice Override feature helps the caller achieve the smoothest possible transition between periods of music only and periods of music and calling. It improves the dancers' recognition of the calls and enhances their enjoyment of the dance while the caller is free to concentrate on the

figure he is calling.

NEWCOMB PORTABLE REPRODUCERS

Newcomb loudspeaker systems are designed to provide exceptionally clean, full-scale music reproduction and crisp, highly intelligible voice reinforcement combined with manual portability. They are highly efficient, engineered to deliver the acoustical output usually associated with permanently installed systems, and are thus eminently suitable for use with portable amplification equipment. They are remarkably free of cabinet noise—the boominess which can lead to the confusing jumble of sounds sometimes encountered in a hardfloored dance hall or gymnasium. Music from Newcomb's reproducers has a spontaneity that brings the occasion to life. Voice is realistically supported precision "enlarged" - not rounded off and distorted. As a chain is no stronger than its weakest link, a sound system is no stronger than its weakest component. To provide reproducers capable of taking advantage of the remarkable performance potential provided by the Newcomb T Series music/p.a. units, these loudspeaker systems were developed. To our knowledge there are no other reproducers that meet all their criteria, and they should therefore find wide application with other sound equipment.

Newcomb reproducers are made in three basic types:

Open-backed speaker - lightest in weight and easy to store or pack in a car or station wagon. Their open back permits most efficient operation.

Column reproducers — provide wide horizontal coverage and narrow vertical coverage to minimize ceiling and floor reflections. For best results, placement and aiming requires special care.

Ducted port reproducers are less critical as to placement because they are less directional and can usually provide a greater range of reproduction per dollar invested.

NOTE: All new Newcomb reproducers have a built-in slot for use with the new Newcomb mounting bracket. All are supplied with a 25' cord and standard phone plug.

ON POWER RATINGS OF REPRODUCERS

No reproducer should be driven beyond its rated capacity. However, it is important to understand that in Newcomb reproducers, a high power rating in no way means that the reproducer can only be used with a high powered amplifier. Even our highest powered reproducers can offer benefits when connected to our lowest powered amplifiers because the high power handling capacities of various Newcomb reproducers came as a bonus for efforts to achieve superior performance and was not an end in itself. Designing for reduced distortion tends automatically towards higher power handling capacity. Efforts to increase linearity of output to input can likewise result in higher power capacity. Efforts to smooth response also can result in the side benefit of

higher power handling capacity. The point is that the power rating of the speaker represents merely a limit to the input that can be applied to it. The actual power delivered to each reproducer is the amplifier power rating divided by the number of reproducers connected. Thus, if an amplifier of 50 watts R.M.S. rating is connected to two reproducers, the maximum R.M.S. power to each would be 25 watts. The greater the difference between the power each reproducer can receive and its maximum capacity the less distortion it is likely to produce. Since every step the designer takes to improve quality invariably increases cost it should be apparent that the purchaser would do well to select the highest power rating he can afford within the design type he desires.

AN IMPORTANT CONSIDERATION WHEN PURCHASING REPRODUCERS

Because some halls cannot use full bass or treble response, many callers are tempted to purchase speakers which have worked well in some hall known to be troublesome simply because they did not reproduce certain frequencies well. They then suffer poor response everywhere they go. We suggest it would be a far better solution to meeting the needs of all sorts of halls if loudspeakers of smooth flat response as free of harmonics as possible were used. Such a speaker should neither emphasize nor attenuate bass. It should merely reproduce it as truly as possible. The operator should then resort to the use of his tone controls to fit his system to the needs of various halls. He should use less bass in poor halls and more bass in good halls. The point is the proper use of tone controls with good speakers will result in the best tone for each hall. Whereas, a poor poor to hall the test hall.

To purchase a speaker with limited response merely because its weaknesses suited the test hall is to ignore the needs of other halls and situations. It also ignores the fact that with a Newcomb the treble and bass can be modified at the amplifier for the separate needs of voice, music and hall. If the treble and/or bass cannot get through the loudspeaker, no amount of correction will help where they are needed.

All Newcomb reproducers are capable of good clean bass and treble response and are carefully matched to Newcomb amplifiers and controls and to the purposes for which these systems are designed. They give you the best sound for any hall or situation commensurate with your investment.

USEFUL FREQ. RANGE MAXIMUM PERMISSIBLE RMS INPUT WATTS MAXIMUM PERMISSIBLE PEAK MUSIC INPUT WATTS

DIMENSIONS: HEIGHT WIDTH DEPTH

WEIGHT (LBS.)

PLAYER - AMP MODEL NO T-40S #10 T-40 #10 T-40 #10 T-50

T-1

T-1 XT-1 XT-2

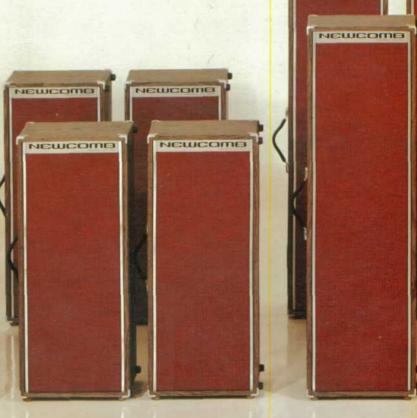
All Newcomb reproducers have been developed to meet the very special needs of square and round dance callers and for various public entertainment applications. Thus, any Newcomb speaker that meets the power requirements of the amplifier may be selected with confidence.

The particular combinations illustrated in this catalog and the combined model numbers shown to the right were selected because they were felt to have special appeal to the majority of purchasers of a particular amplifier. But because of the careful design of Newcomb reproducers, no one need hesitate to select any combination that appeals to him if it meets power requirements.





If you want the utmost in portability, flexibility, and low cost, no speaker systems equal the Newcomb open back type. The open back permits the speaker cone to move without restriction and thus allows it to operate at its greatest electrical-to-audio conversion efficiency. The big bass driver gives a good crisp musical beat. The presence range, so important to voice intelligibility, is especially good. The result of specially developed 6" tweeter. The 112-BF is a single 2 way reproducer with removable back intended to be a second speaker for music/p.a. systems with a speaker built into the case lid. The 212 models are two 2-way speakers that snap together back to back

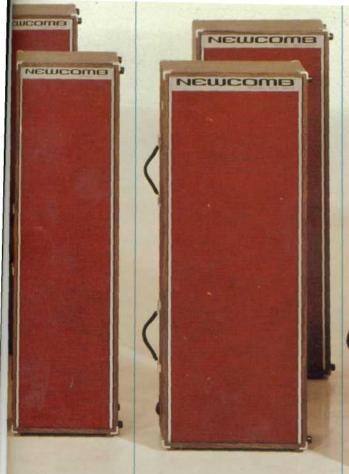


NEWCOMB

NEW COLUMN REPRODUCERS

The column reproducer has become very popular with dance because of the way it cuts down floor and ceiling reflections, bethe way it concentrates sounds and projects it into the far reactorium. Newcomb columns are now available in a wide range handling capabilities. The CS-461 and CS-2629 are only 29" unusual degree of portability for a column. The CS-481 and CS-cost a little more, but they also offer a worthwhile, measur improvement in sound quality. The models that accept greater more acoustic power, of course. But, in addition, all other factories are the power handling ability the lower the distortion

| The state of the s | back to back. | | | | | |
|--|-----------------------|----------------------------|------------------------|--------------------|--------------------|--------------------|
| | S-112-BF | S-212-BF | S-212-AF | CS-461 | CS-2629 | CS-481 |
| | 90-14,000 | 90-14,000 | 90-14,000 | 50-14,000 | 45-14,000 | 40-14,000 |
| | 30 | 60 (30 per spk.) | 100 (50 per spk.) | 30 | 50 | 40 |
| | 66 | 132 (66 per spk.) | 220 (110 per spk.) | 66 | 110 | 88 |
| | 18%" 165%" 734" | 177/8" 165/8" 141/2" | 1778" 1658" 14½" | 29" 12¼" 9¼" | 29" 12¼" 9¼" | 41" 12¼" 9¼" |
| | 191/2 | 321/2 | 35 | 24 | 28 | 31 |
| | | | | | SYSTEM | M MODEL NUMBERS |
| | | T-40S-2BF | | T-40S-2461 | | T-40S-2481 |
| | | T-40-2BF | | T-40-2461 | | T-40-2481 |
| with M- | -30 monitor | T-40-BF-M | | T-40-2461-M | | T-40-2481-M |
| | | T-50-2BF | | T-50-2461 | T-50-22629 | T-50-2481 |
| with M- | -30 monitor | T-50-2BF-M | | T-50-2461-M | T-50-22629-M | T-50-2481-M |
| | | | T-100-2AF | | T-100-22629 | T-100-2481 |
| with M- | -30 monitor | | T-100-2AF-M | | T-100-22629-M | T-100-2481-M |
| | | | XT-140-2AF | | XT-140-22629 | XT-140-2481 |
| | (4) | | | | | |





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BLE S BLE ATTS

EL NO. S #100 O #100 O #100

> T-10 T-10 XT-14 XT-2!

callers, not only t also because of is of hall or audisizes and power high, offering an 32 are bigger and able and audible ower also deliver being equal, the

the reproducer.

NEW SUPER COLUMN REPRODUCER

This is the column for the caller or performer who wants to "go all the way". Sound is simply superb. And, though it can handle awesome power, it does not have to have it to produce superior sound. The SCS-4843 sets a new standard of performance for column reproducers.

NEW DUCTED PORT REPRODUCERS

The ducted port type speaker system is preferred by many because it provides a greater range of reproduction per dollar invested. Newcomb offers them in three models. The finest of all is the four-speaker DP-4. It has the greatest range, the highest reserve of power, and the smoothest, most natural sound. The discriminating user will find it more than worth every penny it costs. For the more economy minded, there is the DP-2A which is intermediate in cost and listening quality between the DP-4 and the DP-2B. All are a joy to listen to; the lower cost versions suffer by comparison only with the higher priced models.

| CS-482 | SCS-4843 | DP-2B | DP-2A | DP-4 |
|--------------------|--------------------|---------------------|---|---|
| 40-14,000 | 40-20,000 | 40-14,000 | 40-14,000 | 40-20,000 |
| 80 | 125 | 30 | 50 | 100 |
| 175 | 275 | 66 | 110 | 200 |
| 41" 12¼" 9¼" | 41" 15¾" 9¼" | 29" 15¾" 10¾" | 29" 15 ³ 4" 10 ³ 4" | 29" 15 ³ 4" 10 ³ 4" |
| 35 | 50 | 32 | 33 | 42 |
| TWO OF THE ABO | OVE REPRODUCERS | | | |
| | | T-40S-2DPB | | |
| | | T-40-2DPB | | |
| | | T-40-2DPB-M | | |
| | T-50-24843 | T-50-2DPB | | T-50-2DP4 |
| | T-50-24843-M | T-50-2DPB-M | | T-50-2DP4-M |
| T-100-2482 | T-100-24843 | | T-100-2DPA | T-100-2DP4 |
| T-100-2482-M | T-100-24843-M | | T-100-2DPA-M | T-100-2DP4-M |
| XT-140-2482 | XT-140-24843 | | XT-140-2DPA | XT-140-2DP4 |
| XT-250-2482 | XT-250-24843 | | | XT-250-2DP4 |



NEWCOMB EV-660SP CARDIOID DYNAMIC MICROPHONE

The ideal complement to your new T Series system.

This new, highly superior microphone provides all the advantages of a cardioid but none of the disadvantages. It reduces feedback and monitor interference but does not emphasize bass when used close up as do ordinary cardioids. You sound natural.

It gives your voice a chance to sound your professional best. This is the microphone we recommend most highly for use with the new T Series. Anyone investing in such advanced equipment should match it with this fine microphone. Dual impedance allows user to convert to low or high impedance at any time. Supplied with on-off switch and plug to match T Series.



NEWCOMB MODEL N-59 CARDIOID DYNAMIC MICROPHONE

This unique general-purpose broadcast-quality directional cardioid dynamic microphone has a built-in low frequency filter operated by a switch. Cut in the filter to overcome bass emphasis when using the mike close up. This does not eliminate its highly directional quality which minimizes the possibility of acoustic feedback and prevents monitor interference. Switch the filter off for normal operation with more distant pickups. The N-59 also has an on-off switch and an exceptionally effective built-in wind and pop filter. Supplied with cable and plug to fit T Series, and with a broadcast-type connector between mike and cable.



QUICK-LOAD 45 RPM ADAPTER MODEL 45-A

Precision-made of solid aluminum, this new adapter is proving to be one of the best friends a dance caller ever had. Grooves at the top keep tossed record from bouncing off. Gentle taper guides it smoothly into place.

Patent applied for.

NEWCOMB CASSETTE RECORDER MODEL AVC-500 #100

MAKE A RECORD OF YOUR DANCE SESSIONS · PRE-RECORD TEACHING MATERIAL · PUT YOUR PROGRAM ON TAPE

All Newcomb T series player/p.a. systems have an output-to-tape jack; the AVC-500 #100 is the ideal recorder to take advantage of this feature. You can play your tapes back either through your T system or by connecting one of your Newcomb reproducers directly to the AVC-500 #100. While it has a full complement of controls and a lighted VII meter it is designed with convenient features so it can be

VU meter, it is designed with convenient features so it can be easily operated by the busy caller who already has his hands full of microphones, notes, and control knobs. The cassette machine's controls are color-coded. Recording switches and knobs are red, playback are blue. You don't have to stop and read the labels, just reach for the appropriate color. The AVC-500 =100 has an extremely advanced ARL — automatic recording level — circuit that prevents overloading the tape and causing recording distortion. At the same time, unlike most circuits of fixed gain and limited range, the Newcomb ARL allows full use of the gain control for optimum performance under widely varying conditions. You can take full advantage of the recorder's extraordinary sensitivity and put the optimum amount of signal onto your tape—automatically. The AVC-500 =100 has very advanced and uncompromised elec-

ordinary sensitivity and put the optimum amount of signal onto your tape — automatically. The AVC-500 =100 has very advanced and uncompromised electronic circuits utilizing 34 solid-state elements. It has its own 20 watts peak (8 watts r.m.s.) amplifier, a hysteresis synchronous motor and flywheel capstan drive, clutch-centrally determined and revised to prove the decay two heads.

controlled fast wind and re-wind to prevent idler damage, two heads — one record/play, one erase. It has more features and more refinements, and far better performance than any portable cassette recorder we know of. For example, you don't have to go through STOP to change tape direction. Two input jacks permit mixing program sources. The head cover removes for easy cleaning and accurate head alignment. Pop-up cassette holder permits quick change. There's a PAUSE key that is completely independent of other keys and is handy for setting up mike pickup and recording level — also for interrupting playback for comment or instructions. A three-digit button-reset counter helps find desired spot on tape. A red light goes on to indicate machine is in RECORD mode. This same light flashes on and off when the tape stops for any reason — as at the end of the reel — a silent signal that won't distract the audience as a buzzer would. A record interlock protects against accidental erasure. And there's still more... Ask to see it, hear it, operate it. You'll want it, need it, buy it. The AVC-500 #100 is transformer-isolated for safety and performance, is UL approved. Complete short-circuit protection is provided for the solid-state output devices. 11¼ " x 13½ " x 4½, ", 14½ pounds. No speaker included, removable lid has compartment for tapes.



PROTECTIVE COVERS FOR NEWCOMB T SERIES AMPLIFIERS & REPRODUCERS

with M-

with M-

with M-

| COVER NO. | FOR T SERIES MODEL NO. | COVER NO. | FOR T SERIES MODEL NO. |
|------------------|--|--------------|---|
| CA-279 CA-280 | T40 or T-40S T-40 = 100 or T-40S = 100 | CA-285 | Power amplifier / monitor section of XT-140 or XT-250 |
| CA-281 | M-30 Monitor | CA-286 | DP-2B or |
| CA-282 | S-212 BF or | | DP-2A or DP-4 |
| | S-212 AF | CA-287 | CS-481 or |
| CA-283 | T-50 or T-100 | | CS-482 |
| CA-284 | Player section | CA-288 | SCS-4843 |
| | of XT-140 or XT-250 | CA-289 | CS-461 or |
| | | | CS-2629 |
| | | CA-290 | S-112BF or S-112 Al |

Protective covers are heavy black vinyl lined with fabric.

REPLACEMENT STYLI

MODEL PP-91-1 Diamond/Sapphire replacement styli for all T series.

LO-LOSS SPEAKER EXTENSION CABLES FOR T SERIES

MODEL WC-94 Twenty-five foot cable with plugs.
MODEL WC-95 Fifty foot cable with plugs.

T SERIES® ACCESSORIES MOUNTING BRACKETS FOR NEWCOMB REPRODUCERS

All Newcomb reproducers have built-in fittings so they can be hung from the additional-cost accessory brackets shown below.









STAND SUSPENSION MOUNTS fit over the top of any 1" o.d. tubing or pipe. Vertical angle is adjusted by choice of hole. Welded steel with brown wrinkle finish.

MODEL SBC for T series closed-back speakers. MODEL SBO for T series open-back speakers.









WALL MOUNTING BRACKETS can be left in place, speaker simply hooked on when needed. Lower assembly has slot and set screw for adjusting vertical angle. Brackets permit horizontal rotation.

MODEL UWBC/LWBC for T series closed-back reproducers.

MODEL UWBO/LWBO for T series open-back reproducers.

MODEL #BO converts UWBC/LWBC for use with open-back reproducers.

MODEL #BC converts UWBO/LWBO for use with closed-back reproducers.

CARRYING CASES FOR RECORDS AND ACCESSORIES



MODEL RC-7W holds up to 120 seven-inch records. Finish matches T series. 8%" x 8½" x 11¾", 4½ pounds.



MODEL RC-7BW holds up to 120 seven-inch records and has compartment for microphone and cables. Matches T series. 8%" x 9" x 16%", 6½ pounds.



MODEL RC-712W holds up to 324 seven-inch records and up to 14 twelve-inch records. Has compartment for mike and cables. Matches T series. 101%" x 161%" x 1334", 131/2 pounds.

22.50

\$ 29.25

\$ 44.95

NEWCOMB AUDIO PRODUCTS CO.

12881 Bradley Ave., Sylmar, California 91342

WHERE QUALITY IS A WAY OF LIFE

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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