This is the

LAB 80

More than an automatic turntable, it is an Automatic Transcription Turntable

The Lab 80 is designed for professional reproduction of LP/stereo records (33% and 45 rpm)... literally without compromise. It was created expressly for those who have not been willing to accept any automatic unit heretofore.

Now, feature-by-feature comparisons will verify that the concept of the single play turntable combination has been obsoleted by a superior new class of mechanism.

With the Lab 80, Garrard establishes a spectacular new precedent in record playing equipment . . . combining precision, performance, and convenience of a standard not previously available, in single play or automatic units.

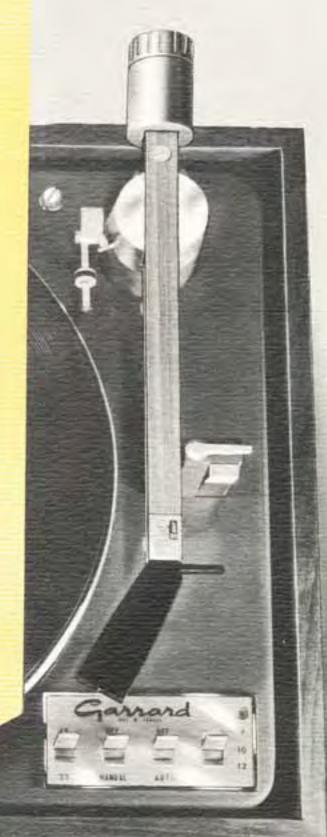
The price of the Lab 80 is \$99.50







This includes
LAB 80
the first
Automatic
Transcription
Turntable



NEW BIAS COMPENSATOR

negates "skating"
... keeps stylus
evenly in groove
no matter how
light the tracking
force.

NEW
DYNAMICALLY
BALANCED
TONE ARM made
of lightweight,

of lightweight, non-resonant wood, insures optimum performance from every cartridge.

NEW MASSIVE NON-MAGNETIC 12" TURNTABLE

is balanced in motion for perfect speed.

NEW INTEGRAL CUEING DEVICE

allows you complete control of tone arm, for manual play without damage to records or stylus.

NEW LOW-MASS SHELL is compatible with the latest pickup designs.

NEW ANTI-STATIC MAT

discharges static electricity, prevents dust accumulating on records.

NEW ISOLATION MOTOR SUSPEN-

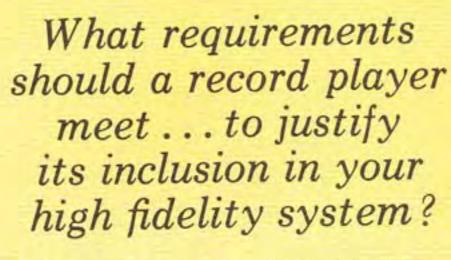
SION prevents even slightest vibrations from reaching turntable.

NEW MAGNETIC

TRIP permits virtually frictionless automatic operation and shutoff.

To visualize what the Garrard Laboratories have achieved in the Lab 80, we urge you to take the time to read the galaxy of advancements built into it.





The tone arm should be able to take your choice of any of the excellent low mass cartridges now on the market. These cartridges are sensitive, and the stylus assemblies are highly compliant. The arm must track them perfectly, and trip reliably, with very light stylus pressure.

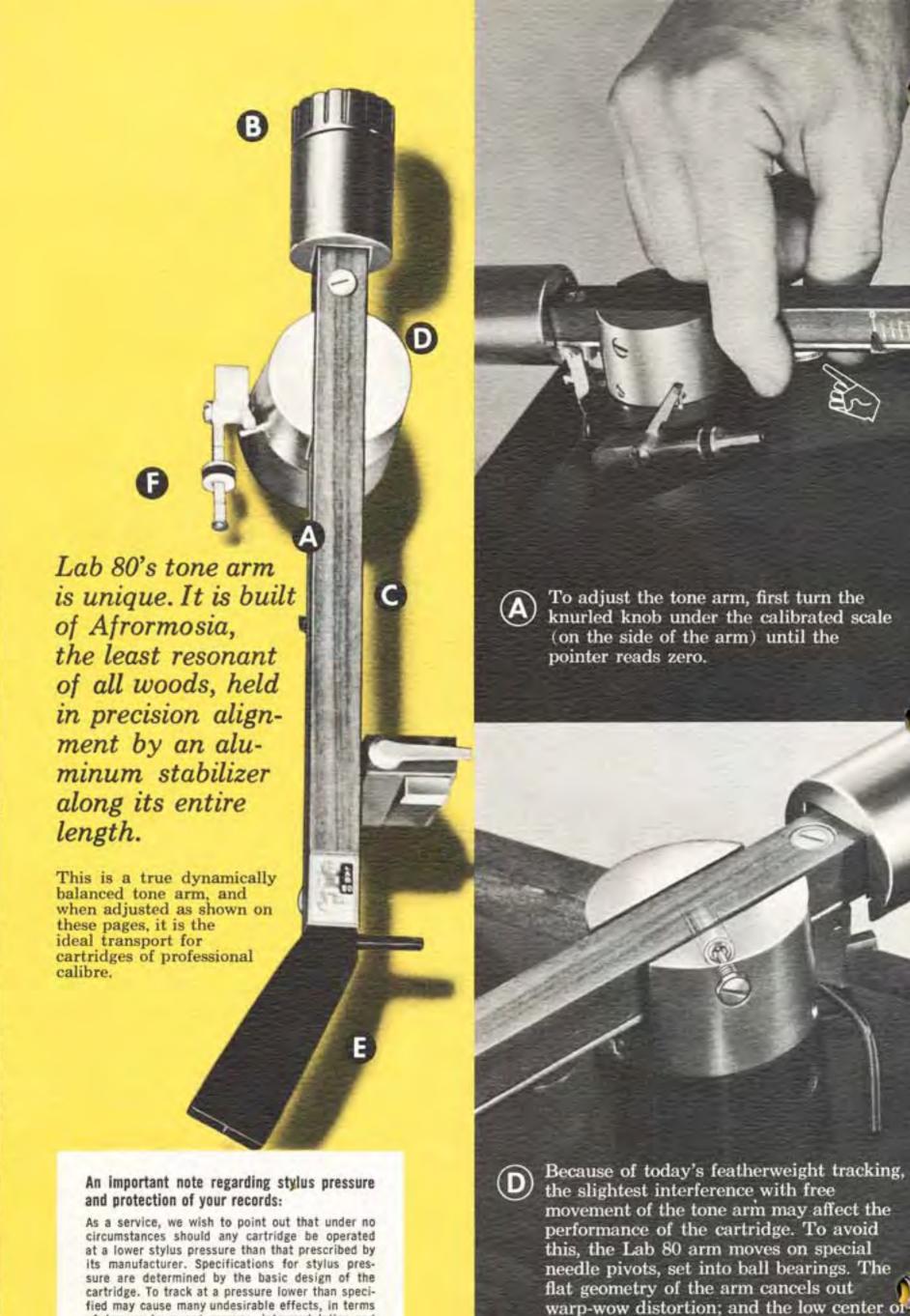
The turntable, motor, and drive mechanism must be so silent...so meticulously engineered...that they will not add the slightest noise or distortion at any frequency or volume level.

To be compatible with wide range speaker systems and highly refined amplifiers (including solid state transistorized equipment), the entire record playing unit must be built to an exceptionally high order of precision.

Performance is the key factor, but automatic convenience and sensible price are also essential for maximum enjoyment.

Four years ago, these stringent requirements motivated Garrard to produce the original Automatic Turntable... Type A... a new concept which combined the advantages of single play turntables with the convenience of automatic record changers. The instantaneous, dramatic acceptance of the Type A established a significant trend, and today more people choose a Garrard than all other high fidelity record playing units combined.

Now . . . Garrard presents three highly advanced automatic turntables, plus an entirely new class, the first Automatic Transcription Turntable! This exceptional development by the Garrard laboratories is for the ultimate in music systems...



gravity eliminates sensitivity to

external jarring.

of damage to record grooves; intermodulation and

other distortions.



itself. A weight on the compensator

corresponding to the stylus pressure

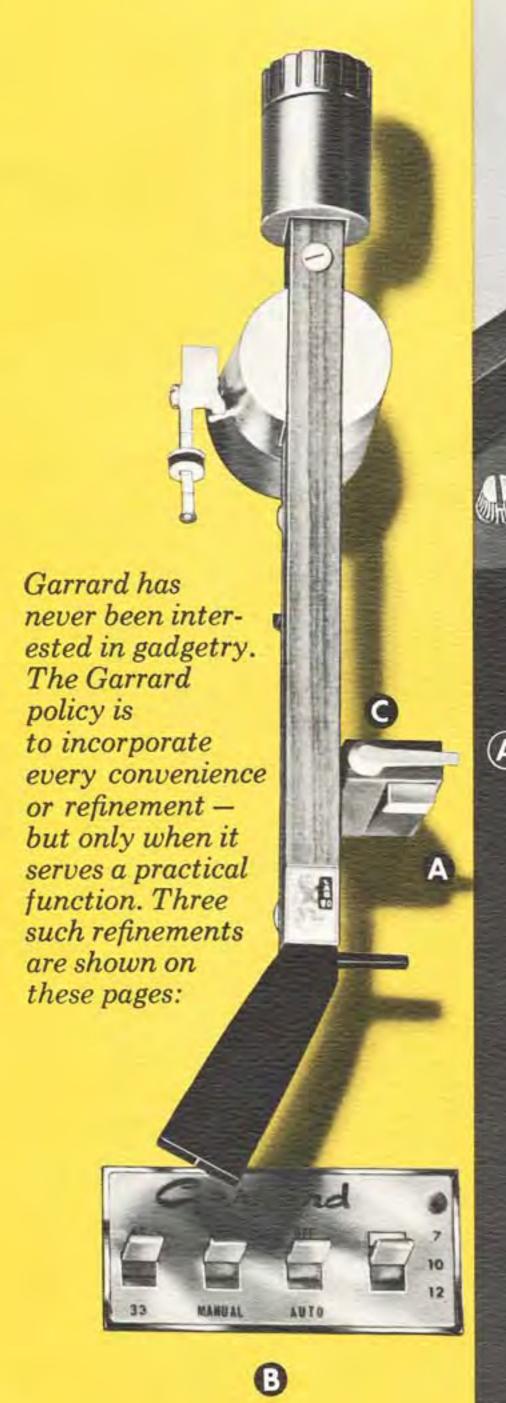
relationship with the stylus pressure

reading on the tonearm.

is moved to a position along its scale

which has been set, establishing a direct

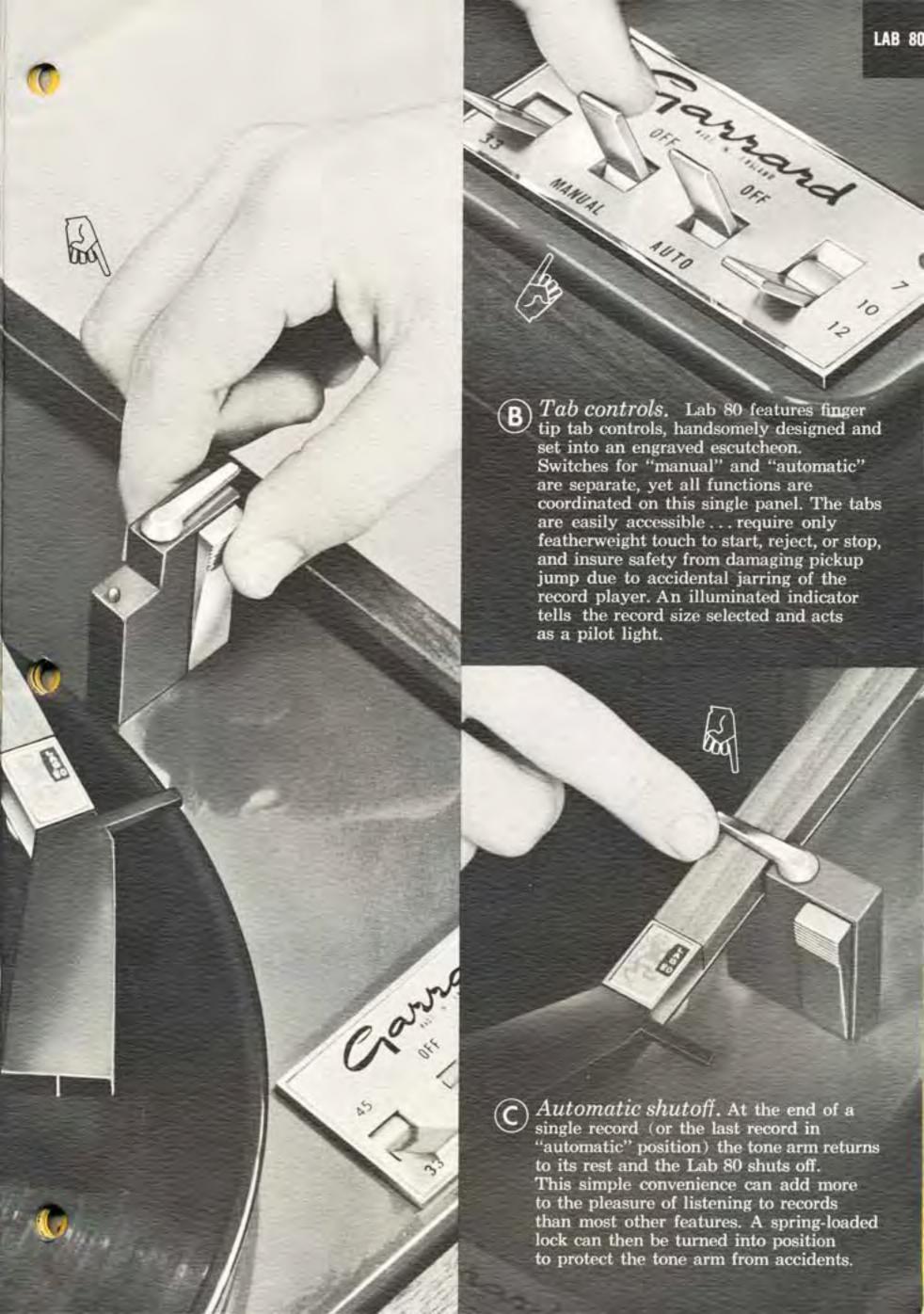
makes it compatible with all cartridges including the new low mass professional types. The shell slides into the tonearm on channels and is fixed rigidly with a knurled screw, so that it cannot resonate or rotate from side to side. A new long finger lift insures safety in handling the shell.

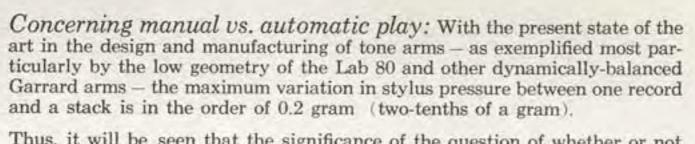


Integral cueing. As cartridges have become lighter and stylus assemblies more delicate, so has the danger of damage from manual handling increased. Now, in the Lab 80, Garrard has incorporated an integral cueing device, which is activated whenever the manual lever is thrown. The tone arm is suspended safely and accurately ½ inch over any record groove selected. Then press the tab control on the front of the tone arm rest . . . and the arm gently lowers under featherweight control. The first demonstration will show you dramatically the convenience and safety which this feature imparts. (If it is desired to lift the arm off the record during play, simply touch the manual switch, and the arm rises gently, directly over the record groove. You

> can then safely reposition the arm or reactivate the cueing device, and lower

the stylus into the very same groove!)





Thus, it will be seen that the significance of the question of whether or not it is important to play only single records at a time on any turntable, has been eliminated. The contention that stacking several records creates flutter and wow, is *flatly* untrue.

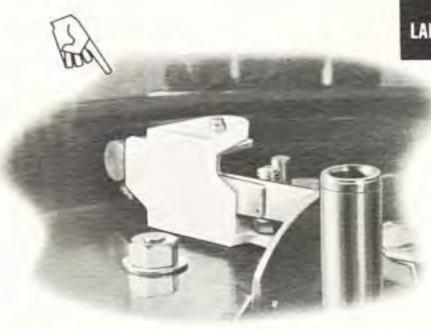
The convenience of automatic play, when desired, can hardly be overstated. It can add an entire area of pleasure to your record enjoyment. The problem, however, has been to provide this convenience without impairing the high standards of performance which are essential in a modern music system; and the search for perfection among methods of automatic record handling has been going on for years. Now, the Garrard Laboratories have developed a remarkable new precision spindle for automatic play. It differs from all other automatic spindles by incorporating the reliable, time tested Garrard pusher platform principle.



This is the technique which established Garrard as the pre-eminent name in automatic record playing equipment, because it proved, over the years, completely reliable and gentle to records. Now, the pusher platform principle has been designed into the spindle, creating the safest, most positive-acting device of its kind.

(Of course, this spindle is used only for automatic play. A short spindle is provided for your use in playing single records.)





The trip mechanism is the device which activates the automatic record changing and the automatic shutoff at the end of the last record. Since the tone arm mechanism must engage the trip mechanism, the problem with automatic units has been to accomplish this with the least possible amount of friction or drag. Indeed, one of the points claimed in favor of single play turntables has been the lack of a trip mechanism, even though no one will dispute the tremendous advantage of the automatic feature. In the Lab 80, the trip mechanism is revolutionary and obviates this argument. The trip assembly is molded completely of Delrin® the remarkable new Dupont "slippery" material which has an exceptionally low co-efficient of friction. Resistance of the trip mechanism to the tone arm engaging it becomes virtually unmeasurable.

The tripping cycle is activated by ultrasensitive magnetic repulsion (through the use of magnets with polarities which repel each other), eliminating the need for mechanical contact. The combination of these two principles, ingeniously applied for the first time to an automatic record playing device, is the answer of the Garrard engineers to the stringent requirements of ultra-sensitive cartridges, allowing the unit to trip reliably, at virtually zero force.







Constant, reliable speed, of course, is essential. Recent tests confirm the traditional Garrard viewpoint that the motor type (induction or hysteresis) is not the key factor in fine reproduction. It is basic compatibility of the motor to the particular turntable/drive mechanism, and meticulous manufacturing, which determine outstanding results.

The Lab 80 is powered by the unsurpassed Laboratories Series® motor (with dynamically balanced armature), designed and built entirely by Garrard, which will maintain speed within NAB standards even through the unlikely line voltage variation of 95 to 135 volts.

The loose assumption or contention that only a hysteresis motor can maintain speed with such reliability is simply untrue.

It is isolated from the unit plate by a revolutionary suspension system of rubber anti-vibration devices and damping pads. This ingenious mounting system frees the Lab 80 from any vestige of spurious vibrations which might reflect in record reproduction.

The entire Lab 80 unit floats on a new 5-point foam-damped spring suspension system, which isolates it from external jarring and the mechanical interference known as "feedback". Installation is simple and practical. The Lab 80 is stereo wired, with a 4-pin, 5-wire system; separate ground connections . . . the ideal wiring because it eliminates danger of hum-causing factors. Leads plug into the player with Amplok plug (for AC) and twin female phono sockets on the unit plate, for the audio connection. This simplifies connecting or disconnecting the player. Dimensions are compact enough to fit most high fidelity cabinets.

Specifications: 2 speeds: 33½ and 45 rpm. 100-130 volts, 60 cycles AC (50 cycle pulley available).

Minimum cabinet dimensions: 17" left to right; 1434" front to rear: 5½" above and 3½" below motor board. This, then is Garrard's Lab 80 Automatic Transcription Turntable ... a record-playing unit unequalled by any now on the market ... destined to establish a new milestone by Garrard in the continual striving toward perfection which characterizes our industry.

This superlative mechanism has been magnificently styled to grace the finest music system, the smartest decor. On its decorator base, the Lab 80 is a symphony of shimmering satin metal, grained wood, and a special iridescent color that picks up and reflects the warmth of the cabinet finish. Into this excellent unit have been lavished every skill, every technique known to the Garrard Laboratories. To judge for yourself how well they have succeeded, use the convenient chart below to compare the Lab 80's main features with any other record playing unit you may be contemplating.

COMPARATOR CHART

Dynamically balanced, counterweight-adjusted tone arm of Afrormosia wood

Calibrated stylus pressure scale, with click setting

Calibrated stylus pressure scale, with click settings

LAB 80 Other
Low mass shell

LAB 80 DO Other

Bias compensator (Anti-skating device)

LAB 80 Other Integral cueing device

Finger tip tab controls

Automatic play, when desired, with revolutionary pusher spindle

LAB 80 Other

Delrin® trip mechanism with magnetic repulsion

LAB 80 Other

12 inch, balanced, weighted, anti-magnetic turntable with anti-static turntable mat

LAB 80 Other
Laboratory Series® 4-pole shaded motor

LAB 80 Other

Motor isolation system

LAB 80 V Other

4-pin, 5-wire stereo wiring with Amplok plug connections

