AccessionIndex: TCD-SCSS-T.20160929.001 Accession Date: 29-Sep-2016 Accession By: Andy Kennedy Object name: Linguaphone LL Cassette Recorder MR-L5 Vintage: c.19xx Synopsis: Portable compact cassette tape recorder/player optimised for language learning.

## **Description:**

Compact cassette tapes were invented by Philips N.V. in 1962 as a common speech quality tape format for speech recording and playback over 30, 60 or 90 minutes durations. Within a plastic shell, polyester tape with a magnetic coating traversed from a left to a right rotating spool. When fully wound to the right spool, it could be manually flipped over (or "auto-reversed") to traverse in the reverse direction. In each direction, audio was recorded on a mono track or a pairs of stereo tracks, and a write protection tab at top left could be broken off to prevent over-writing existing content. Over time improved audio quality allowed them to supercede cartridge and reel-to-reel tapes for domestic speech & music and many other uses, including simple computer data storage, e.g. the Interdata Model 70 in this collection uses compact cassettes for boot loading.

The unit in this collection is a Linguaphone MR-L5, sold by Linguaphone [1] [2] as one of its language learning support tools. Like many cassette decks of the era it has a built-in microphone and speaker, as well as sockets for an external microphone and speaker, and can be powered from 220VAC mains or battery. It operates off 7.5V and includes 5 x UM-3 or HP7 batteries. (*Note the power supply unit is set to 12VDC*).

The MR-L5 is unusual in being optimised for speech, able to vary the speed by +15% and -15%, having an index (cue) facility to enable teachers to record cues and to enable students to fast forward or rewind between cues during playback, and a socket for remote stop/start. It operates in two modes: (a) as a standard stereo cassette recorder & player, and (b) in language learning mode, where the left track is for the teacher and the right track for the student.

This item is included in the collection because its unusual facilities will potentially help future researchers to decipher and transcribe the cassette tapes in the collection despite their gradual deterioration (although ideally electronic copies will be taken before that occurs).

Many thanks to Andy Kennedy, who donated this item and its documentation.

The documentation is properly part of the Literature category of this catalog, but is listed here too for convenience.

Accession Index	Object with Identification
TCD-SCSS-T.20160929.001	Linguaphone LL Cassette Recorder MR-L5. S/N:
TCD-SCSS-V.20160929.003	Linguaphone LL Cassette Recorder MR-L5 Operating Instructions.

## **References:**

- 1. Wikipedia, *Linguaphone (company)*, see: <u>https://en.wikipedia.org/wiki/Linguaphone (company)</u> Last browsed to on 29-Sep-2016.
- 2. Linguaphone UK, see: <u>https://www.linguaphone.co.uk/</u> Last browsed to on 29-Sep-2016.



Figure 1: Linguaphone MR-L5 case closed



Figure 2: Linguaphone MR-L5 case open



Figure 3: Linguaphone MR-L5 front view



Figure 4: Linguaphone MR-L5 left side view



Figure 5: Linguaphone MR-L5 manufacturing label Linguaphone Model MR-L5 Linguaphone LL Cassette Recorder DC 7.5V UM-2 x 5 Made in Japan



Figure 6: Linguaphone MR-L5 power supply unit (NB: set to 12V) ROSS RE 551, 230/240V 50Hz, 3V / 4.5V / 6V / 7.5V / 9V /12V DC 300mA, Complies with BS 415 & BS 1363

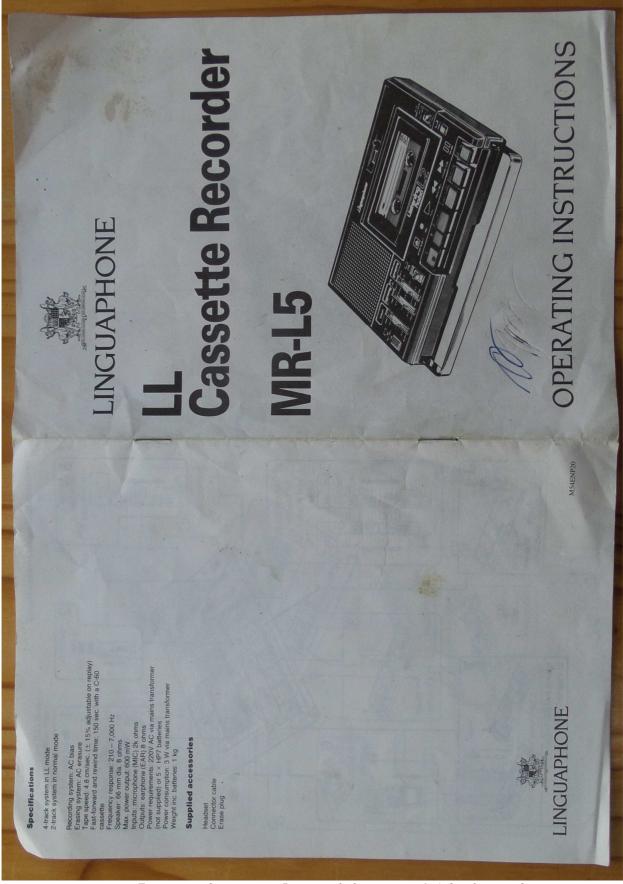


Figure 7: Linguaphone MR-L5 Manual, front page 1 & back page 8

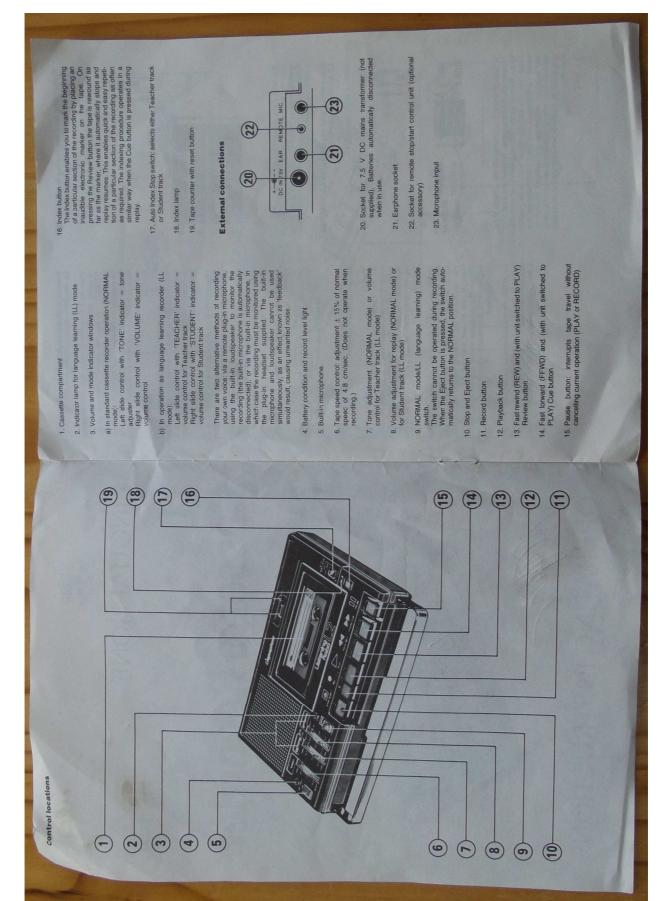


Figure 8: Linguaphone MR-L5 Manual, pages 2 & 3

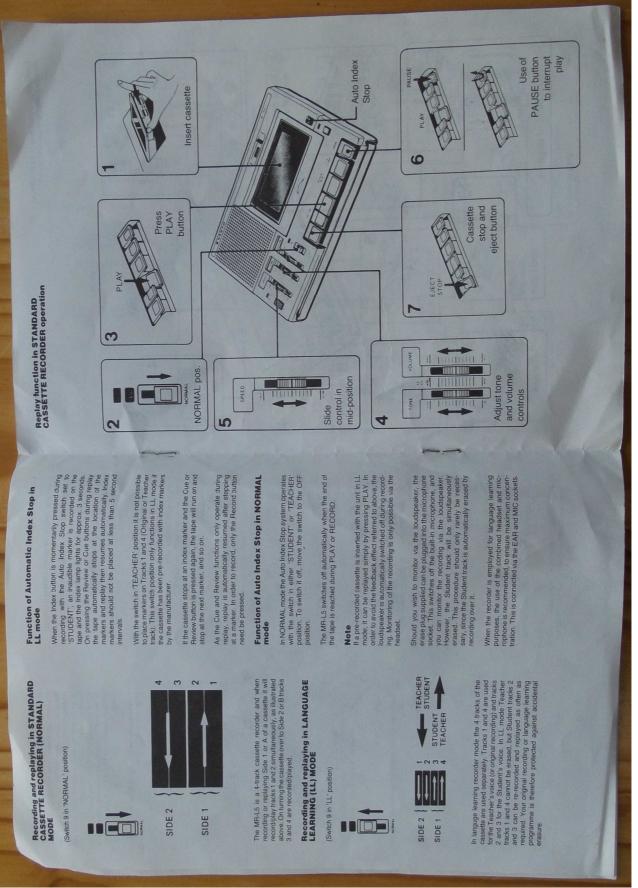


Figure 9: Linguaphone MR-L5 Manual, pages 4 & 5

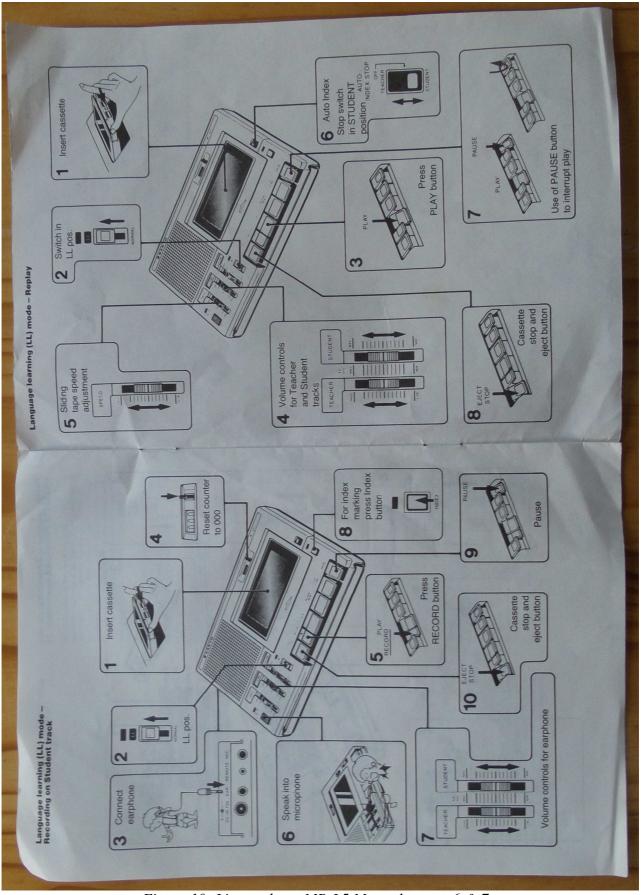


Figure 10: Linguaphone MR-L5 Manual, pages 6 & 7