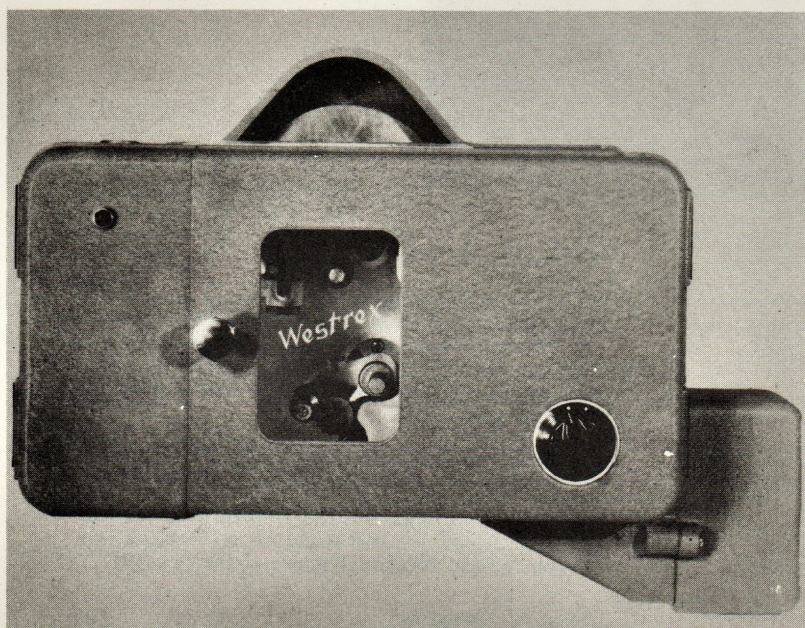




## Information Sheet

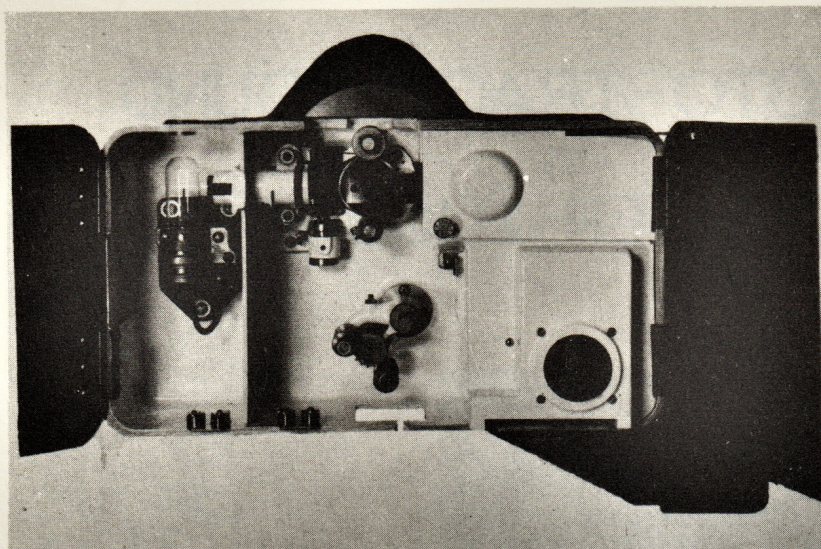
# 35mm. PHOTO-TRACK SOUND REPRODUCER 2003-C



The Film transport employs a tight loop system with a hydro flutter-suppressor which was the subject of an award given by the Academy of Motion Picture Arts and Sciences. The drive consists of a flexibly mounted motor fitted with a double "V" pulley. Two matched "V" belts transmit the drive to the main shaft of the reproducer. A range of drive motors is available to cater for most power supplies. Two exciter lamp brackets are provided so that both can be adjusted for correct focus and immediate replacement can be effected should a lamp fail. A pre-amplifier is not fitted in the reproducer but a switch is provided to control the exciter lamp for sound change-over. Adaptation can be provided for reproducing from 200mil push-pull photo track or magnetic track recordings. In addition, lower spool assemblies can be supplied for double film operation as an alternative to the normal 18 in. lower spool boxes. For studio or pre-view theatre purposes synchronous drive motors and electrical interlock systems can be provided for two or more machines and/or dummy heads. This reproducer is British made throughout and similar in design to the Westrex R6 of American origin.



## 35 m.m. PHOTO-TRACK SOUND REPRODUCER 2003-C



### DIMENSIONS

#### Reproducer

Width	19in.	(48.3cm)
Depth	14 $\frac{1}{2}$ in.	(29.2cm)
Height	14in.	(35.6cm)
Weight	50lb	(22.7kg)

#### MOTOR

Length over shaft	10 $\frac{1}{2}$ in.	(26.7cm)
Height	7in.	(18.7cm)
Weight	25lb	(11.4kg)

### DRIVE MOTORS & PULLEYS

Supply	Voltage	Motor	Pulley
110V	40c/s	30922-C	75257
110V	50c/s	30922-B	75650
110V	60c/s	30922-E	77355
200/220V	50c/s	32451-A	75650
230/250V	50c/s	32451-B	75650

If it is necessary to increase the drive speed the required pulley should be selected from the following:

- 75651 for 2% increase
- 75652 for 4% increase
- 74954 for 6% increase

Where a finer speed adjustment is required a variable speed pulley is available, adjustment being effected by fitting shims between the pulley flanges. For this purpose the following should be ordered.

LS-4160 Pulley Assembly

LS-4160 Del. 5 Tool

### PERFORMANCE DATA

The film filtering mechanism consists of a solid flywheel mounted on a scanner shaft which supplies the inertia element and a flutter suppressor which operates against the film to smooth out irregularities in tension which would otherwise produce "flutter" and "wow".

The "flutter" obtained is remarkably low, it is better than the standard laid down by the Academy.

The total integrated "flutter" from 2 to 200c/s does not exceed  $\pm 0.09\%$  while no disturbance between 2% and 200c/s is greater than  $\pm 0.05\%$ .

### STARTING TORQUE

Some projectors, such as Westar, require less starting torque than that provided for heavier machines, when driving a light projector starting resistors are recommended as follows:

110V operation	81942 Resistor Mounting Assemblies
200/250V	" 53221 " " "

The Westrex 2003-C Photo-Track Reproducer can be used with the under-mentioned Cinema Projector Heads for 35 m.m. films, for which purpose special adaptation drives and parts would have to be ordered.

35 m.m. Projector	(Suppliers of parts)
Westar (all models)	Westrex Company Limited
Century " "	Westrex Corporation, N.Y.
Kalee 18, 19, 20 & 21	Rank Precision Industries
Simplex (all models)	J. Frank Brockliss & Co., Ltd.
Ballantyne (all models)	J. Frank Brockliss & Co., Ltd.
Ross G. C.	Ross-Barnet-Ensign Company
Ernemann II, III, IV & V	Walturdaw

Westrex Company Limited  
152 Coles Green Road  
London NW2

TELEPHONE GLADSTONE 5401