

TELEVISION RECORDING DEPARTMENT : INFORMATION SHEET

Distribution

C.E.Tel., Room 6006, TV Centre  
A.C.E.Tel.Ops., Room 7068, TV Centre  
A.C.E.Tel.Devs., Room 7074, TV Centre  
H.E.Tel.Projects, A.108, TV Centre  
H.E.Tel.Network, Room 7051, TV Centre  
H.E.Tel.Services, Room E.1004, TV Centre  
H.E.Tel.Studios, Room 7076, TV Centre  
H.E.Tel.News, Room 3201, Spur, TV Centre  
H.E.Tel.O.B's, Room 3001, Kendal Avenue (2)  
Mr.R.Thomas, Projects Section, A.104, TV Centre  
Mr.D.J.M.Kitson, Designs Department, 305, Western House  
H.E.T.D., Wood Norton (10)  
H.T.O.Tel.S., 7024, TV Centre  
H.E.Tel.Lighting, 7031, TV Centre  
Senior Engineer, Open University, 503, Alexandra Palace (5)  
A.(Operations) to H.E.Tel.Studios, Room 7061, TV Centre  
Business Manager, Room 104, Threshold House  
Mr.I.Marshall, 209, Threshold House  
A.(A) Tel. O. & M., Room 103, Threshold House  
Mr.G.Pexton, Room 207, Threshold House  
Mr.G.Richmond, 309, Threshold House  
S.Tel.E.Recording, News, Spur, TV Centre (3)  
Asst. Technical Operations, 4020, TV Centre  
Duty Engineers, Network, Room 4086, TV Centre  
Mr. Berrisford, E.I.D., Room 703, Henry Wood House  
Mr.J.Symond, Room 309, Woodstock Grove  
Mr.R.J.Carr, E.T.D., Wood Norton  
Mr.K.J.A.Watkins, 1082, Kensington House  
Miss R.Pascoe, A.G. 014, TV Centre  
Mrs.G.Cleeve, 442, 33, Cav. Sq.  
Mr.C.D.Constantine, Room 450, H.W.H. (3)  
Mr.C.R.Messenger, 411, Henry Wood House (3)  
Mr.R.A.Fisher, 2136, TV Centre  
Mr.G.Legg, M.S.G., 447, 33, Cav. Sq.  
Mr.J.Claxton, 6055, TV Centre  
Mr.D.W.Osborne, Research Department, Kingswood Warren  
Mr.J.Wilson )  
Mr.R.Collins ) Mobile V.T. Kendal Avenue  
Mr.R.White )

H.P.S.E. Birmingham  
H.P.S.E. Manchester  
H.P.S.E. Bristol  
H.P.S.E. Scotland  
H.P.S.E. Northern Ireland  
H.P.S.E. Wales

Man.Comms. & Eng.Serv., Birmingham  
Video Tape Editor, Birmingham  
Man.Ops., Scotland  
Man.Comms. & Eng.Serv., Scotland  
Video Tape Editor, Scotland  
Video Manager, Scotland  
Man.Comms. & Eng.Serv., N.Ireland  
Video Tape Engineer, N.Ireland  
Man.Ops., Manchester  
Man.Comms. & Eng.Serv., Manchester  
Video Tape Engineer, Manchester  
Man.Ops., Bristol  
Man.Comms. & Eng.Serv., Bristol  
Video Tape Engineer, Bristol  
Man.Ops., Wales, B.H., Cardiff  
Man.Comms. & Eng.Serv., Wales, B.H., Cardiff  
Vision Manager, Wales, B.H., Cardiff (6)  
M.V.T.R. Supervisor, Wales, B.H., Cardiff  
V.T.R. Supervisors, Wales, B'way St., Cardiff  
TK Supervisors, Wales, B'way Studio, Cardiff

TELEVISION RECORDING DEPARTMENT

FORTNIGHTLY INFORMATION SHEET

No. 128 : 17th September, 1973

531. PROTECTION AGAINST EYE ACCIDENTS.

The Engineering Safety Regulations require staff to wear protective goggles when working in situations which are potentially hazardous in respect of eye injury.

Television Recording Department staff are reminded that they should wear the safety goggles provided when performing duties such as welding, grinding, replacing picture tubes and any other tasks where the possibility of eye injury could arise.

H.E. Tel. Rec.

532. COURSE ON VIDEO RECORDING.

The Norwood Technical College is running a course of eight special lectures on video recording systems on consecutive Thursday evenings from 11th October to 29th November 1973 between 1830 and 2030 hours, covering magnetic recording principles, closed circuit and broadcast helical scan recorders, quadruplex recording systems, magnetic disk recording and the applications of these systems.

The fee for the course is £3 and further information is available from the Norwood Technical College, Department of Telecommunication and Electronics. Telephone No. 670 5731.

H.E. Tel. Rec.

533. VIDEO DISK HOT-SWITCH SOURCE SYNCHRONISATION.

General.

Whenever switching takes place between the two sources of the Hot Switch (Source 45) there is a disturbance to the pulse train which can upset other equipment, e.g. Sound-in-Syncs, VT Recordings, etc. This disturbance occurs because of the path length timing discrepancy between the incoming circuit feeding one side of the Hot Switch, and the incoming circuit via the Video Disk record/replay route feeding the other side of the Hot Switch.

This timing discrepancy has now been eliminated by adding a video delay to the O.B. input side of the Hot Switch, and disturbances will no longer occur if the Video Disk replays referring to incoming O.B. syncs.

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The path length timing spread of BH 1 - 8 and OS 1 & 2 circuits has been checked via the Video Disk record/replay route and all lie within a + 50 ns spread. Thus the Hot Switch output is now line timed in the normal operating mode.

#### Natlock Arrangements.

A suitably delayed feed of the incoming O.B. signal has been provided on the CAR Natlock/Genlock selection system as a reference video. Using this signal the O.B. can be Natlocked so that the output of the Hot Switch will be synchronous at any TC mixing point to which it is routed. In this condition the Video Disk can always refer to the station syncs of the Natlock pulse chain in use for both recording and replay.

#### Colour Phasing Arrangements.

The colour phase error signal from the mixing point is routed via level 7 of the Sec. 45 unselector to either Video Disk, or the O.B. (via the Natlock encoder). In order to maintain colour phase corrections to the O.B. during the actual period of a Video Disk insert, a phase comparator in CAR takes over and transmits colour errors to the O.B. When the Hot Switch reverts to the O.B. the colour phase errors from the routing system are restored.

A circuit schematic is appended.

H.E. Tel. Network.



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534. POWER REWINDER MODIFICATION.

Rewind bench No. 4 now has an improved system of tension control which reduces the risk of film damage and allows short lengths of film to be safely rewound. The rewind may be stopped at any point by opening the machine lid. Crosswind facilities are available in both normal (automatic) and foot control modes.

There are now three switches: one at the back under the lid selecting normal or foot control, one on the right hand panel in front of the machine selecting which platter shall be "take up" and one at the centre in front of the machine controlling the direction of rotation of the take up.

There are four indicator neons, two by each platter. The platter where both neons are alight is the feed side and may rotate in either direction. By the other platter only one neon will light. This is the take up side and if the top neon is "on" take up will be top of platter away from centre of machine, and conversely if the lower neon is on.

In this way any combination of feed and take up may be selected and will be indicated by the neons.

Telecine, Technical Services  
Manager.

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STAFF MOVEMENTS.

FES Staff Movements.

S. Runnacles is acting as Supervisor General Maintenance from 10th September to 4th November.

G. Parsons returns to shift at TC on 10th September.

Film Technicians Course.

The following people are going on the above course from the 10th September to 8th October:-

R. Piper  
R. Osman  
T. McAulay  
P. Sainsbury.

TK Staff Movements.

Departures.

J.C. McKinney transfers to OU as from 17th September.

Attachments.

N. Stoddart joins FES for 2 weeks on 17th September.

R. Merrick joins Film Operations on 17th September for 3 months.

Courses.

J. Mimmagh attends 'C' Course Part 2 from 17th September to 2nd November.

VT Staff Movements.

Attachments.

P. Culf (Studios) will be attached for one week from 17th September.

R. Wilson (Studios) will be attached for one week from 24th September.

P. Bosworth (Film Dept) will be attached for one week from 24th September.

Courses.

C. Hillier attends the Engineers Course Part 2 from 17th September to 2nd November.