

LIGHTING TECHNIQUES

tenance areas by means of diverter devices. The working grids are all of lightweight construction.

The telescopes comply with the strict safety requirements of DIN 15560 which specifies two sup-

porting ropes and over/under load safety cut-off switching.

The height of the grid is 6m in Studios 1 and 2, and 8m in Studio 3. The working grids allow access to the telescopes and distribution

panels with circuit outlets and will, under normal circumstances, only be used for repair and maintenance.

The lighting controls are Galaxy microprocessor-controlled systems with plug-in Thyristor dimmers

and adequate low and high frequency filtering.

The lighting control in Studio 1 is for 120 and Studio 3 for 240 circuits, each of 5kw. For lighting effects (flasher/chaser) and additional 60 circuits are provided controlling special non-dims. Studio 2 is not yet equipped apart from the grid itself.

The remote controls for the motorized functions of the Kahouteks and telescopes consist of a production processor system with relevant interface. The programme is software-based and can be changed as required.

All necessary status displays (focus, power, type) and the luminaire selected are shown to the operator at the control desk. Movement of equipment only takes place in full view of the operator for as long as the button is held down. Changing from Fresnel to flood on the Kahouteks – which requires a movement of the reflector by 180° runs automatically once that function has been selected and actioned. Only one luminaire at a time can be selected from each control desk. Because of the large stage area in Studio 3, two control desks can be used simultaneously, enabling two lights to be adjusted at the same time.

The studio control panels enable the complete setting of the lights to be conveniently carried out from the studio so that lighting controls in the control rooms are only used for rehearsals, actual shows or taping.

For both lighting and remote control, back up systems are available so that in case of failure of the electronics the equipment can still be operated.

Coloured cyclorama lighting is through remote controlled Iris 4 cyclorama units. Blue or green box effects are achieved with fluorescent tubes behind a projection screen.

First productions in the studios have proved that the new lighting systems meets expectations and is especially proving worthwhile in saving studio time. ■

The following equipment was supplied and commissioned by Rank Strand GmbH:

- 235 Kahouteks remote-controlled; – Manufacturer: Quartzcolor-laniro
- 20 Iris 4 cyclorama units remote-controlled; Manufacturer: Quartzcolor-laniro
- 4 Vega 10kw remote-controlled;
- 320 Telescopes remote-controlled; Manufacturer: TeleStage.
- 2 Galaxy Lighting control systems; Manufacturer: Rank Strand Ltd.

