

1. QUESTIONS THAT HAVE TO BE ANSWERED BEFORE WE CAN SAY 'IT CAN BE DONE'.

A. What light levels are required?

- i) for "spotlight"
- ii) for rest of stage

associated questions:

- i) what level of perception are we aiming at?
- ii) to what extent does contrast help?
- iii) to what extent does colour help?
- iv) how far is the audience from stage

B. How big are the performance areas?

- i) for "spotlight"
- ii) for stage

C. Can suitable mirror geometries be designed?

associated questions:

- i) where will moon be during performances?
- ii) what is the range of movement required from performance to performance?

- iii) one mirror or many?
- iv) how far should mirrors be from stage? (does it matter?)
- v) what shapes should the mirrors be - faceted?
- paraboloid?
- vi) must mirrors move during performances?

D. What area of mirrors is required?

- i) what is likely mirror 'efficiency'?
- ii) A, B and C above.

E. Can mirrors be made?

- i) what tolerance of manufacture is required?
- ii) how weatherproof need they be?
- iii) what are the likely deflections due to wind etc?

F. Can system be commissioned?

- ii) what accuracy is required in setting up
 - a) the site
 - b) for each performance

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2. OTHER QUESTIONS WE SHOULD ANSWER.

A. Is a 'moonshield' required?

- i) is the moon likely to be 'glarey'?
- ii) how big would a 'moonshield' be?

B. How do the musicians read their music?

- i) what light levels are required?
- ii) can this be achieved naturally?
- iii) orchestra 'pit'

C. How long should the audience be left to 'adapt' to darkness before the performance begins?

D. Make-up and costume design

E. What range of dates either side of full moon can theatre be used effectively?

3. DESIGN INFORMATION

- A. Choice of site
- B. Design and specification of site preparations including stage and 'mirror field'.
- C. General specification for mirrors:
 - i) materials
 - ii) workmanship inc. tolerances
 - iii) support structures
- D. Detailed dimensional information for manufacture of mirrors: 'cutting patterns'
- E. Schedules for site- erection of mirrors: heights, orientations etc.
- F. Commissioning method^{statement} and associated information - aiming schedules, levelling etc.
- G. Miscellaneous items: 'moonshield'
 - lighting for musicians
 - " " access
 - make-up & costume design
- H. Set-up information for each performance.

4. FULL MOON DATES IN 1988

3rd March
2nd April
2nd May
31st May
29th June
29th July
27th August
25th September
25th October
23rd November
23rd December

5. ACTIVITIES

Design :

- choose site
- design stage and mirror field
- specification for mirrors
- mirror 'cutting patterns'
- schedules for site erection of mirrors
- commissioning method statement + information
- miscellaneous items
- set up info. for each performance

Manufacture & Construction:

- site preparation: car park etc.
- construct stage and mirror field
- acquire materials for mirrors
- manufacture mirrors
- manufacture support structures
- fix mirrors on site
- alignment of mirrors - levelling
- make costumes
- set mirrors for performance

