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Direoted by: Dr. Andreas Momikos.

The purpose of this thesis shall be to present the design production of Robin Shorts 'The Red Shoes. The thesis is to be organized into three divisions: (1) Fart I, the play, historical background, and the design concept, (2) Part II, the technical design of the production, and (3) Part III, a critical ovaluation.

Part I deals with the historical and stylistic considerations influoncing the design approach. Part II contains the ronderings, working drawings, photographs, and plots for the sets, propertios, special effects, and lighting. Part III discusses the production and its strongthe and weaknesses, technically.

# VISUAL DESIGN OF ROBIN SHORTS' 

## THE RED SHORS

## by

David Loland Ransoy

# A These Subaitted to the Froulty of the Graduate School at The University of North Garolina at Greensboro <br> in Purtial Fulfilimont <br> of the Requireacents for the Degree <br> Mastor of Fine Axts 

## Greensboro <br> 1977

Approved by


## APPROVAL SHITTY

This thesis has been approved by the following committee of the Faculty of the Graduate School at the University of North Carolina at Greensboro.


Date of Examination

## AGKNOWLEDGMENTS

I wish to express ny deepest appreciation to Dr. Andreas Nomikos, advisor, and Dr. Herman Middleton and Mr. Robert Thurston, members of the examining comittee, for their assistance in the proparation of this thesis. Thanks are also due to Mr. Thomas Bean, the director, for his cooperation; and to m technical orows for their dedication to the production.

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GHAPTER I

THE PLAY, HISTORIGAL BAGKCROUND, AND THE DRSIGN APPROAGH

## CHAPTER I

## THE PLAY BAGKGROUND AND STYLISTIC APPROAGH

The Red Shoes has beon designated as the 1977 Theatre For Young People touring production. Being both a childron's play and a touring ahow demands that the design nust appeal both to the highly imaginative ainds of the youth and be completely portable.

The curious, offorvescent, expectant nature of the child audionce makes it inevitable that a large share of responsibility for the offcotiveness of any childran's play will rest upon the staging. ${ }^{1}$

The visual elementa of a childron's production contribute so vitaily to the play's overall impression upon a child that the nature of the contribution must be kopt clearly in mind as the plans are doveloped. Firat, "the flavor, line and dotails of sotting and properties will holp the ohildren understand where, whon and under what cireumatances the action is taking place. ${ }^{2}$ What childron see is far mare meaningful to them than what they hear. For this reason, the director and the designar cannot roly upon the dialogue alone to eatablish the oircuastances of the play.

Second, the visual aleanats of the production should work to help the actors tell the atory of the play. "Sconery which provides only a backeround to the aotion contributes little to the play,

[^0]
#### Abstract

regardless of how pretty or slaborate it may be." ${ }^{3}$ The scenery must provide nore than just a background for the actors to parform in front of. It must be an integral part of the action of the story.

The thind funotion of the visual elements of the production is to arouse 1deas and motions relevant to the themes boing expressed by the playwright. ${ }^{4}$


## Historical Backeround

The author of The Red Shoes was Hans Christian Andersen, (1805-1875) who opont nost of his life in and axound Coponhagon. Born in the slums, Andersen had a difficult tiee bettiling his way up through the class structure of ninoteenth century Donaark. The foudal systen of bondage mas abolished only ceventeen yoars before his birth. 5

In 1849, King Frederiak VII, as a gift to the people of Domark, established the "Free Conatitution," which made the Danes one of the most deaocratic societies in the world. ${ }^{6}$

Andarsen used the theme of the ovils in a free society quite ofton in his writings. The original story of The Red Shoes dealt with the conflict of selfishness versus kindness in young people.?
$3_{\text {IbId. , p. }} 155$.
${ }^{4}$ IbId. . P. 156.
5 Raynond Fhinces Stearns, Pergant of Burope (Now Yorki Heroourt, Brace and Morid, Inc., 1961), p. 458.
$6_{\text {Jessie Brochner, Dunich Lifo in Town and Country (Now York: }}$ G. P. Putnan's Sons, 1903), P. 244.
${ }^{7}$ Hans Christian Andersen, Andersen's Fairy Tales (Now York: Grosset and Dunlap, 1955), p. 62.

Andersen was vory realistic whon it came to his tales. He tried, through his stories, to show children the differences between good and ovil. Fortunately for hin, the Fducation Act of 1814 finaily allowed the comon children access to suitable rading material. ${ }^{8}$ Before this time, onily the nobility were allowed the privilege of decent reading material.

Robin Short wrote the stage version of The Red Shoes in 1954. Short ohanged the plot of the tale by dealing with decelt and trickery, whoreas, Anderson had dealt with solfiahness. Only a fou siallarities realin between Short's play and Andorson's tale. Red shoes are still involved and the setting of both is in Denmark.

The architecture of Demark changed very little until the twentioth century. Barly Danish hones wore quaint strav-thatched, high roofed buildings, with dark-oak timber crise-croseing the whitewashed plastor walls. The windows wore amall paned and filled with homey plants. The houses wore furnished with marvolously carved oak furniture. ${ }^{9}$

The line of the house was very siaple, yot vory practical.
Much less ambitious in dimonsion and equipmont, yot possessed of much intersest, is a house built of timber, the central and older part of which is lowar than the two ond sections, the roof being only sone four or five feet reaoved from the ground, and the lowness of the doors making it imperative for the visitor to stoop vary considarably. There was a very good reason for this, namely, to necessitate a possible oneay whon ontering the house to bond so low (the door boing only about four foet high) that he for a momont was unable to dofond himself. 10

[^1]The physical geography of Densark must also be taken into account since the looale of the play is an exterior setting.

Domark's theme in the great symphony of creation is not loud and penotrating, but it has an innor beauty. Whenever one thinks of Domark, one imagines the sound of the see and the call of the lark, and visualizes the treetops of the beechwoods, the heather in bloon, and the rich goldon cornifields which reach right up to the silvary ams of the estuaries. The hamlets, with their red-brick houses and whitevashed half-timbering, foster a secure and simple life whare tranquility reipros, even though the land is exposed to the whole wide world. ${ }^{2}$

These are the traits I an trying to capture in this design.

## Stylistic Approach

If The Red Shoes were to be performed on the Taylor Building main stage alone, there would be no question in my mind that the basic design approach would be realistic. However, the production is going to be on tour for three months during which time many theatres, gyms and other locales will be oncountered. Because of these variables, the production needs to be flexdble and ereatily simplified.

Simplified staging, it should be noted, does not nocessarily prove detrimental. The student of stage production, who may find himself operating in mall plants and on cramped stages, should know how to make the most of his linited means, compensate for them, or turn them into advantages. He cannot be supplied with a

[^2]liat of all the resources available to him. He will have to exart whatever ingenuity he possesses. ${ }^{12}$

The fact that so mach traveling and so many difforent theatres will be involved makes it imperative that the scenary be durable. There muat be a minimum of time spent on ropairs. Thus the prime prarequisites for touring are simplicity, ruggedness, and floxibility. ${ }^{13}$

The stylistic approech will be troken down into four areas of considerations scenary, properties, sound, and lights.

## Soenery

Because of the inadequacy of the stages on which The Red Shoes may be parformed, the sots for this touring company must be built so they may be set up anywhare and can be altered to suit almost any provailing condition. The flattage will have a maximua hoight of ton feet. All units will be hinged to allow flexibility in the stage sotting. In addition, whon proparing a play for transportation by truck, the scenery nust also be designed and built for the linitations of the truck as woll as the stages. ${ }^{14}$

There are two acts in The Red Shoes, each act using a different sotting. The first act takes place in the square of a amall Danish village. Two buildinge are important to the action of the play: the

[^3]cobbler's shop and the home of the 'nice old lady.' Both houses nust have practical doors.

Act two takes place in the woods, not far from the village. At this location are two of a gypsy band's abodes. Ono is a tont and the other is a vagon.

Fortunately, the adjustment of exterior settings to smaller or larger quarters than originally staged is much simpler than that for interior settings. Nature provides trees, rocks and the like in an infinite variety of ahapes and sises from which to choose; whereas, a chair, table or door are scaled to dimension which are not easily altored. ${ }^{15}$

The sconery for The Red Shoes must be portable. The set-up time is usually linited and there will be only seven people involved at most theatres. As previously mentioned, the scenery must be ton feet or less in height. With these prerequisites in mind, it has to be kopt to a minimum.

A groundrow will be used to represent a village. Three or four cottages will be painted on it with a sconic vista forming the background for these cottages. The other elemonts of scenery will be the two houses, the cobller's shop and the cottage. Both buildings should be imediately recognigable. The exteriors will be painted to represent rough plastor. Back covering the house flats will aohieve an exposed timber affect, so common to old Danish houses. The roofs will be thatched or tiled.

[^4]Act two, for apeed and simplicity of scone changes, will utilige the same basic sconic olements as act one. Act two calls for two buildings, a tent and a gypay wagon. Since the locale of this act is the oountryside, elements of the groundrow used in act one can also be used for this act. Thare are numerous scenic techniques which could be very helpful to this design. The groundrow will utilise the book system. Both the scenic vista and village cottages will be painted on book scenery, then for the scene change, the book can be folded over, thus revealing the other scene. This technique of deaign will allow the converting of the two houses from act one to act two to be acoomplished as easily as the groundrow is changed. Both hard and soft covered panels will work very well here. Soft panels will make a very believeble tont, which will cover the cobbler's shop completely. The change from cottage to eypsy ragon can be achieved by panels which are oither added to or takon away from the cottage. Various two dimensional scenery which will represent buahes, a stone wail, and rock piles will be placed on the stage to complete the sconic picture. These olements can be moved between acts one and two to help suggest the change of locale. All of the sconory will be constructed to mreak down into one or two plece units to aid In the transportation of the show. All the flats will be soft covered for welght, but this will necessitate good care in the moving of the soenery.

A small stone well will be down center. The well will be low in oxder not to obstruct the audionce's vision. It will be executed In such a manner as to resemble stonowork. The Director requested
this sconic element as a stage property. Another stage property which must be considered is a small puah cart which will be used by the Eypay and the clown. The cart will be designed along the lines of a dog cart. This will aynbolize the relationship between the eypey and the clown.

The Director has informed me there will be no intermission In the production.

The matter of waits between scenes is one which overy children's theatre would do well to consider when designing its plays, for quick changet make audiences happier, probably, than elaborate scenes. 16

For the performances in Taylor Building's main theatre, the cyclorama will be used. It will ropresent the sky and will be colored by 11ght. The contour curtain will be used to form a basic prosconium for the sconory. Two painted flats will replace the proscenium when the production is on tour. There will be an act curtain before the production begins and during the act break. The curtain will have the name of the production and a ploture of the interior of a cobbler's shop painted on it. It will only be used in Taylor Building's theatre and will not be taken on the tour since it requires flying equipent not always available in the tour's theatres.

The painting of the scenery for The Red Shoes is vital to the success of this design. The colors nust be such that there is no questions in the childron'e mind as to what the soonery is sup-

[^5]posed to represent. "Color is used in children's theatre design to achieve three kinds of responses i to seise and focus attention, to satiefy the need for beauty, and to convey the proper mood and eactions. $n^{17}$ I have chosen the paintings of Carl Larssen as a model for my scene painting. He is very avare of details in his painting and uees a wide variety of earthtones in his works, The colors would appeal vory much to a young audience, because of their bellliance. I will attempt to capture his scruting for details in my ronditions.

The influences upon Lerssen range from Japenese prints to Van Gogh. But the result is always an original Larssen. His composition is rarely flawed and in many of his pictures it is as eroat as in the church interior, for example, where one is led all over the picture before arriving at the true focal pointthe priest at the alter. 18

A number of Larssen's paintings could easily be said to be scenes Irom The Red Shoes because the variety of his paintings is such that he has covered, almost completely, the life and scenery which is Scandanavia.

Carl's series of books began by chance when during a long wet sumaer, which stopped him painting outdoors, he drew his son Pontus aitting in the family punishment corner after committing some minor misdeacenor at table. Karin (his wife) persuaded his to cariy the theme on and this he did, covering every aspect of fanily life in and around the house. The results we can see for ourselves: a series of "lived-in" working drawinge illustrating an ara. 19

His style will be of immeasuxable assistance in the painting for

[^6]this soenary.

## Properties

The properties required for The Red Shoes will all be built or purchased. Because this production will be touring for three months, it is impossible to borrow the needed properties. Almost $2 l l$ of them will represent overyday iteas of the Danish peasantry. The fireplace to be used in act two must have a shallow-centared oavity necescary for the disappearance of Karin's shoes. It will be constructed of othefoan to simulate logs and in the center there will be a hollow area with a light giving the offect of fire. There must also be a smoke pot offect used in it, which means that in the cavity will be talcum powier in a pan with a rubber hose running off stage. At the appropriate moment, a technician will blow into the rubber hose, causing a puff of the talcum powder and giving the effect of a puff of moke.

Sound

The music used in the play consists of the opening theme, a for bars to cover acene ahanges, the mute's music, Karin's dance theae, muaic to hoighten the chase scene, and the curtain interlude. The pieces to be used include seleotions from: Peer Gynt, Tho Swedish Rhapsody, Kedding Day at Troldhangen, and Ingrid's Iaront. These pleces have been selected for their Soandinavian flavor and lively rhythm.

## Lishting

The mood of this play basically follows the cycle of a day. It starts out in a light vein, then into sadness and suspense, then baak into joy again. The lighting roflects the course of the action, thus day into night and then back into daylight.

The lighting for The Red Shoes demands both color and area control. Act one takes place during the daylight hours, while act two is set during the nighttime. Both acts have periods of dialogue with very little action taking place.

There must be two different designs done for this productiont one for Taylor Building Theatre and the other for the tour. The lighting design for Taylor will use the McCandless method. Also back lighting will be used for revelation of fom. The front of the house lights will be double hung to solve the problem of the two different times of day.

The lighting design for the tour will also utilize the McGandless system but it will be considerably modified. There will not be onough set-up time in each theatre to easily hang a sufficient number of instruments for the show, even if mounting positions were always available. The instruments will be prehung on three pipes which can be quiokly set up in the house for each performance. The pipes will be placed right, conter, and left to allow for cross 11ghting.

## Sumary

All the visual elements of any production must work together
to create a total impression of pariod, place, mood, and time. In the production of The Red Shoes, I intend to accomplish all of these goals and in turn help to areate an oxciting theatre oxperience for children. Frequent commuication with the Director will help to assure that the artistic decisions regarding the visual designs will be the most advantageous for the production.

GHAPTER II

THE TBGHNIGAL PRODUCTION

THE SEATING

FLOOR PLAN



DRSIGNRR'S RENDERINGS

Figure 3


Figure 4


Figure 5

WORKING DRAWINGS



PROPRRTIRS LIST

## TABLE 1

## PROPFRTTIES LIST

## ACT I:

## On Stage Pre-set:

wooden bench

## Off Stage Right:

wheel barrow containing:
The Red Shoes, wrapped in burlap huxdy-gurdy assorted bundles wooden bucket for (Karin) woman's shoe with heel detached for (Karin) handkerchiof for (Burgomaster) coin for (Burgomastor)
portmanteau for (Grandmother), containing: apron
coin for (Karin)
bundle of clothing for (Karin) handbag for (Grandmother)

## Off Stage Loft:

two buttonhooks, one for (Snogg), one for (Jemmo)
handful of coins for (Snogg)
covered basket for (Nols), containing:
patchwork shoes
ribbon for (Nels)
woman's shoe with heel for (Nels)

AGT II:
On Stage Pre-set:

```
campfire
wheolbarrow containing:
    bundles
    toasting fork
```

TABLE 1 - Continued

Off Stage Right:
handful of coins for (Snogg)
hotdogs wrapped in paper for (Snogg)
Off Stage Loft:
tin cup for (Jemmo)
walking stick for (Jemmo)
buttonhook for (Jemmo)

SPBCIAL HFFFECTS

## TABLE 2

## SPRECIAL EAFFECTS

AGT II:
Cue:
Karen: No one must ever be made to wear them again! Infect:

Flash pot

THE LIGHTING

tables 3
INSTRUTIENT SCHIEDULE

| NUNBER | INSTRUTEITATION | HATTS | DPAMER | Gurcuit | $\begin{aligned} & \text { GANGED } \\ & \text { WITH } \\ & \hline \end{aligned}$ | FOCUS | COLOR | RTIARKS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\underset{1}{\mathrm{FOH}} \# 1$ | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 2 | 40 |  | B | 849 |  |
| 2 | 8" Fresnel | 1000 | 33 | 42 |  | B | 854 |  |
| 3 | $6^{\prime \prime} \times 12^{\prime \prime}$ Loko | 750 | 4 | 44 |  | I | 849 |  |
| 4 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 11 | 46 |  | G | 849 |  |
| 5 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 2 | 48 |  | c | 849 |  |
| 6 | 6"x 12" Leko | 750 | 7 | 30 |  | J | 813 |  |
| 7 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 6 | 32 |  | K | 813 |  |
| 8 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 5 | 34 |  | D | 813 |  |
| 9 | 8" Fresnel | 750 | 1 | 36 |  | A | 813 |  |
| 10 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 6 | 38 |  | E | 813 |  |
| 11 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 11 | 26 |  | G | 813 |  |
| 12 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 24 | 28 |  | $F$ | 813 |  |
| 13 | 6"x $6^{\prime \prime}$ Lako | 750 | 10 | 24 |  | Q | 813 |  |
| 14 | 8" Fresnal | 1000 | 33 | 25 |  | C | 854 |  |
| - 15 | 6"x 12" Leko | 750 | 5 | 27 |  | B | 813 |  |
| 16 | $8{ }^{\prime \prime}$ Fresnel | 750 | 1 | 29 |  | A | 813 |  |
| 17 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 5 | 31 |  | c | 813 |  |
| 18 | 6"x 12" Lako | 750 | 12 | 33 |  | 1 | 813 |  |
| 19 | $6^{\prime \prime} \times 12{ }^{\text {" }}$ Leko | 750 | 7 | 35 |  | I | 813 |  |


| NUMPBR | INSTRUMENTATION | WATTS | DIMMRR | CURCUIT | GANGED | FOCUS | COLOR | RTEMARKS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| POH 1 |  |  |  |  |  |  |  |  |
| 20 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 2 | 37 |  | D | 849 |  |
| 21 | $8^{\prime \prime}$ Fresnol | 1000 | 33 | 39 |  | E | 854 |  |
| 22 | $6^{\prime \prime} \times 12{ }^{\text {" }}$ Loko | 750 | 4 | 41 |  | J | 849 |  |
| 23 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 3 | 43 |  | K | 849 |  |
| 24 | 6"x 12" Leko | 750 | 3 | 45 |  | $E$ | 849 |  |
| $\begin{gathered} \text { Brldge } \\ 1 \end{gathered}$ | 6"x $6^{\prime \prime}$ Loko | 750 | 15 | 94 |  | B | 849 |  |
| 2 | $6^{\prime \prime} \times 12^{\prime \prime}$ Loko | 750 | 13 | 92 |  | M | 849 |  |
| 3 | 6"x $6^{\prime \prime}$ Leko | 750 | 15 | 90 |  | c | 849 |  |
| 4 | $6^{\prime \prime} \times 6^{\prime \prime}$ Lako | 750 | 4 | 82 |  | N | 849 |  |
| 5 | 6"x $6^{\prime \prime}$ Leko | 750 | 18 | 84 |  | B | 813 |  |
| 6 | $6^{\prime \prime} \times 6^{\prime \prime}$ Loko | 750 | 18 | 98 |  | D | 813 |  |
| 7 | 6"x $6^{\prime \prime}$ Lako | 750 | 6 | 88 |  | 0 | 813 |  |
| 8 | $8^{\prime \prime}$ Freanol | 1000 | 34 | 100 |  | I | 854 |  |
| 9 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 14 | 96 |  | P | 813 |  |
| 10 | $6^{\prime \prime} \times 12^{\prime \prime}$ Loko | 750 | 13 | 95 |  | M | 813 |  |
| 11 | $8^{\prime \prime}$ Fresnel | 1000 | 34 | 91 |  | K | 854 |  |
| 12 | $6^{\prime \prime} \times 6^{\prime \prime}$ Loko | 750 | 7 | 99 |  | $N$ | 813 |  |
| 13 | $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | 750 | 18 | 97 |  | c | 813 |  |
| 14 | $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | 750 | 19 | 89 |  | E | 813 |  |
| 15 | $6^{\prime \prime} \times 6^{\prime \prime}$ Loko | 750 | 15 | 83 |  | D | 849 |  |


| NUMPER | InStrumisntation | HATTS | DTMMER | GURCUIT | $\begin{aligned} & \text { GANCED } \\ & \text { WITH } \\ & \hline \end{aligned}$ | FOCUS | COLOR | RETARKS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Bridge |  |  |  |  |  |  |  |  |
| 16 | $6^{\prime \prime} \times 6^{\prime \prime}$ Lako | 750 | 3 | 85 |  | 0 | 849 |  |
| 17 | $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | 750 | 16 | 87 |  | 5 | 849 |  |
| 18 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | 14 | 93 |  | P | 849 |  |
| 19 | 6"x 9' Leko | 750 | 23 | 106 |  | I | 854 | Gobo |
| 20 | 6"x $9^{\text {" }}$ Leko | 750 | 23 | 108 |  | J | 854 | Gobo |
| 21 | 6"x 9' Lako | 750 | 23 | 116 |  | K | 854 | Gobo |
| $\begin{gathered} \text { 2nd } \\ 1 \end{gathered}$ | $6^{\prime \prime} \times 6^{\prime \prime}$ Loko | 750 | 8 | 74 |  | Q | 813 |  |
| 2 | 6"x $6^{\prime \prime}$ Leko | 750 | 17 | 68 |  | I | 849 |  |
| 3 | $6^{\prime \prime} \times 6^{\prime \prime}$ Lako | 750 | 20 | 78 |  | J | 813 |  |
| 4 | $8^{\prime \prime}$ Fresnel | 1000 | 34 | 80 |  | N | 854 |  |
| 5 | $6^{\prime \prime} \times 6^{\prime \prime}$ Lako | 750 | 19 | 66 |  | K | 813 |  |
| 6 | $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | 750 | 20 | 77 |  | 1 | 813 |  |
| 7 | $6^{\prime \prime} \times 6^{\prime \prime}$ Lako | 750 | 17 | 67 |  | J | 849 |  |
| 8 | $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | 750 | 16 | 65 |  | K | 849 |  |
| 9 | 6"x 6" Leko | 750 | 8 | 71 |  | Q | 849 |  |
| ${ }_{1}^{3 \mathrm{nd}} \text {. }$ | 6"x 6" Lako | 750 | 13 | 104 |  | M | 813 |  |
| 2 | $6^{\prime \prime} \times 6^{\prime \prime}$ Loko | 750 | 17 | 102 |  | N | 849 |  |
| 3 | $6^{\prime \prime} \times 6^{\prime \prime}$ Loko | 750 | 19 | 110 |  | 0 | 813 |  |
| 4 | 6"x $6^{\prime \prime}$ Loko | 750 | 20 | 120 |  | N | 813 |  |
| 5 | 6"x 6" Lako | 750 | 16 | 118 |  | 0 | 849 |  |

## table 3 - Continued

|  | INSTRUMENTATION | WATTS | DIMMER | CURCUIT | $\begin{aligned} & \text { GANGED } \\ & \text { HITH } \\ & \hline \end{aligned}$ | FOCUS | COLOR | RREARTS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\text { 3nd }{ }_{6}^{\text {In. }}$ | $6^{\prime \prime} \times 6^{\prime \prime}$ Lako | 750 | 14 | 114 |  | P | 813 |  |
| $\begin{gathered} \text { 4th }{ }_{1} \text {. } \end{gathered}$ | 14" Scoop | 500 | 31 | 111 | 4th m. \#2 | Cyc | 854 |  |
| 2 | $14^{n}$ Scoop | 500 | 31 | 111 | 4th m. \#1 | Cyo | 854 |  |
| 3 | 14" Scoop | 500 | 31 | 107 |  | Cyc | 854 |  |
| 4 | $14^{\prime \prime}$ Scoop | 500 | 31 | 109 |  | Cyc | 854 |  |
| 5 | $6^{\prime} \times 6{ }^{\prime \prime}$ Strip | 450 | 25 | 105 | $\begin{aligned} & \text { 4th } \mathrm{ml.} \mathrm{\# 6} \\ & 7.8 \text { Color } \\ & 821 \end{aligned}$ | Cyo | 821 |  |
| 5 | $6^{\circ} \times 6^{\prime \prime}$ Strip | 450 | 26 | 103 | 4th … \#6 <br> 7, 8 Color 863 | Cyc | 863 |  |
| 5 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | 27 | 101 | 4th 国. \#6 7, 8 Color | Cyc | 874 |  |
| 6 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | 25 | 105 | 4th 囘. \#5 7. 8 Color 821 | Cyc | 821 |  |
| 6 | $6^{\prime} \times 6{ }^{\prime \prime}$ Strip | 450 | 26 | 103 | 4th 타. \#5 <br> 7, 8 Color 863 | Cyc | 863 |  |
| 6 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | 27 | 101 | 4th Kl. \#5 7. 8 Color 874 | Cyc | 874 |  |
| 7 | $6^{\circ} \times 6^{\prime \prime}$ Strip | 450 | 25 | 105 | 4th EI. \#5 | Cyc | 821 |  |


| NUMPIR | INSTRUMEMTATION | HATTS | DTMYER | CURCUIT | $\begin{aligned} & \text { GANG:D } \\ & \text { HITH } \\ & \hline \end{aligned}$ | FOCUS | COLOR | RTRARKS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $6,8 \text { color }$ |  |  |  |
| 7 | $6^{\circ} \times 6^{\prime \prime}$ Strip | 450 | 26 | 103 | 4th 用. \#5 <br> 6, 8 Color 863 | Cyc | 863 |  |
| 7 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | 27 | 101 | 4th R. \#5 <br> 6, 8 Color 874 | Gyc | 874 |  |
| 8 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | 25 | 105 | 4th 5 . 55 <br> 6, 7 Color 821 | Gyc | 821 |  |
| 8 | $6^{\circ} \times 6^{\prime \prime}$ Strip | 450 | 26 | 103 | 4th ㄸ.. \#5 <br> 6, 7 Color 863 | Cyc | 863 |  |
| 8 | 6'x 6" Strip | 450 | 27 | 101 | $\begin{gathered} \text { 4th } \frac{\text { El. \#5 }}{\text { Color }} \\ 6,7874 \end{gathered}$ | Cye | 874 |  |
| $\text { US Floor } \underset{1}{\text { Flor }}$ | 6'x 6' Strip | 450 | 28 | 153 | US Floor *2, 3, 4 Color 821 | Gyo | 821 |  |
| 1 | $6^{\circ} \times 6^{\prime \prime}$ Strip | 450 | 29 | 159 | US Floor <br> *2, 3, 4 <br> Color 863 | Cyc | 863 |  |
| 1 | $6^{\circ} \times 6^{\prime \prime}$ Strip | 450 | 30 | 155 | us Floor <br> \#2, 3, 4 <br> Color 874 | Cyc | 874 |  |


| NUMPRR | INSTRUMISNTATION | WATTS | DTMMER | CURCUIT | $\begin{aligned} & \text { GANGED } \\ & \text { WITH } \\ & \hline \end{aligned}$ | FOCUS | COLOR | REPARKS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { US Floor } \\ & 2 \end{aligned}$ | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | 28 | 153 | us Floor \#1, 3, 4 Color 821 | Cyo | 821 |  |
| 2 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | 29 | 159 | US Floor <br> \#1, 3, 4 <br> Color 863 | Gyc | 863 |  |
| 2 | 6'x 6" Strip | 450 | 30 | 155 | $\begin{aligned} & \text { US Floor } \\ & \text { \#, } 3,4 \\ & \text { Color } 874 \end{aligned}$ | Cyc | 874 |  |
| 3 | $8^{\prime} \times 8^{\prime \prime}$ Strip | 450 | 28 | 153 | $\begin{aligned} & \text { US Floor } \\ & \text { "1, } 2,4 \\ & \text { Color } 821 \end{aligned}$ | Cyc | 821 |  |
| 3 | $8^{\prime} \times 8^{\prime \prime}$ Strip | 450 | 29 | 159 | US Floor <br> \#1, 2, 4 <br> Color 863 | Cyc | 863 |  |
| 3 | $8^{\prime} \times 8^{\prime \prime}$ Strip | 450 | 30 | 155 | US Floor \#1, 2, 4 Color 874 | Cyc | 874 |  |
| 4 | 8'x 8' Strip | 450 | 28 | 153 | US Floor <br> \#1, 2, 3 <br> Color 821 | Cyc | 821 |  |
| 4 | 8'x 8' Strip | 450 | 29 | 159 | $\begin{aligned} & \text { US Floor } \\ & \# 1,2,3 \end{aligned}$ $\text { Color } 863$ | Cyc | 863 |  |
| 4 | 8'x 8' Strip | 450 | 30 | 155 | US Floor <br> \#1, 2, 3 <br> Color 874 | Cyo | 874 |  |


| MUABPR | ITSTRUMIRATATION | HATTS | DITAIER | GURCUIT | $\begin{aligned} & \text { GANCID } \\ & \text { WITH } \\ & \hline \end{aligned}$ | FOCUS | COLOR | RTARES |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SR Tree | 6"x 6" Lako | $750$ | 24 | 130 |  | B | 849 |  |
| SL Tree | $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | 750 | 12 | 129 |  | F | 813 |  |
| SR FIOOR | Elison lapa bulb | 50 | 9 | 128 |  |  | 819 | Fire Special |
| Gyo | Hisoon lanp bulb | 40 | 9 | 157 |  |  |  | Moon Speoial |
| $\underset{\substack{\text { Lighting } \\ \text { Booth }}}{ }$ | Follew Spot | 1000 | 32 | 13 |  |  |  |  |

SWITGHBOARD SET-UP CHART

SWITCHBOARD SIST-UP CHART

| DMaper | curcuits | LOCATION | ITST. | ingipratamation | MATTS | Focus | cotor | BTMAESS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 36 | FOH \# 1 | 9 | $8{ }^{\prime \prime}$ Freanel | 750 | A | 823 |  |
|  | 29 | FOH \# 1 | 16 | 8' Freenel | 750 | 1 | 813 |  |
| 2 |  | FOH 1 |  | $6^{\prime \prime} \times 122^{\prime \prime}$ Lako | 750 |  |  |  |
|  | 48 | POH 1 | 5 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | c | 849 |  |
|  | 37 | FOH \# 1 | 20 | $6^{\prime \prime} \times 12^{\text {m }}$ Leko | 750 | D | 849 |  |
| 3 | 43 | FOH \# 1 | 23 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | K | 849 |  |
|  | 45 | POH \# 1 | 24 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leke | 750 | E | 849 |  |
|  | 85 | Bridge | 16 | $6^{\prime \prime} \times 6^{\prime \prime}$ Lako | 750 | 0 | 849 |  |
| 4 | 44 | $\mathrm{FOH} \# 1$ | 3 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | J | 849 |  |
|  | 41 | FOH \#1 | 22 | $6^{\prime \prime} \times 12^{\prime \prime}$ Loko | 750 | I | 849 |  |
|  | 82 | Bridge | 4 | $6^{\prime \prime} \times 6{ }^{\prime \prime}$ Leko | 750 | N | 849 |  |
| 5 |  |  |  |  |  |  |  |  |
| 5 | 27 | FOH \#1 | 15 | $6^{\prime \prime} \times 12^{\prime \prime \prime}$ Leko | 750 | B | 813 |  |
|  | 31 | FOH \# 1 | 17 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | C | 813 |  |
| 6 | 32 | FOH \# 1 | 7 | $6^{\prime \prime} \times 12^{\prime \prime}$ Lako |  |  |  |  |
|  | 38 | FOH \# 1 | 10 | $6^{\prime \prime} \times 12^{\prime \prime}$ Loko | 750 | E | 813 |  |
|  | 99 | Bridge | 7 | $6^{\prime \prime} \times 6^{\prime \prime}$ Loko | 750 | 0 | 813 |  |
| 7 | 30 | FOH \# 1 | 6 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | J | 813 |  |
|  | 35 | FOH \# 1 | 19 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | I | 813 |  |
|  | 99 | Bridge | 12 | $6^{\prime \prime} \times 6^{\prime \prime}$ Loko | 750 | H | 813 |  |
| 8 | 74 | 2nd 1. | 1 | $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | 750 | Q | 813 |  |
|  | 7 | 2nd H . | 9 | $6^{\prime \prime} \times 6^{\prime \prime}$ Loko | 750 | Q | 813 |  |


| DITATER | CURCUITS | LOCATION | INST．\＃ | INSTRUNTENTATION | HATTS | FOCUS | COLOR | R RPAARKS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9 | $\begin{aligned} & 157 \\ & 128 \end{aligned}$ | Cyo SR Floor | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | Edison lamp bulb pison lamp bulb | $\begin{aligned} & 40 \\ & 50 \end{aligned}$ |  | 819 | Moon Special Fire Special |
| 10 | 24 | FOH \＃ 1 | 13 | 6＂x 6＂Lako | 750 | $Q$ | 813 |  |
| 11 | $\begin{aligned} & 46 \\ & 26 \end{aligned}$ | FOH \＃ 1 <br> FOH \＃ 1 | $\begin{array}{r} 4 \\ 11 \end{array}$ | $\begin{array}{lll} 6^{\prime \prime} \times 12^{n \prime} & \text { Lako } \\ 6^{n \prime} x & 12^{\prime \prime} & \text { Lekko } \end{array}$ | $\begin{aligned} & 750 \\ & 750 \end{aligned}$ | $\begin{aligned} & \mathbf{G} \\ & \mathbf{G} \end{aligned}$ | $\begin{aligned} & 849 \\ & 813 \end{aligned}$ |  |
| 12 | $\begin{array}{r} 129 \\ 33 \end{array}$ | SL Troe FOH \＃ 1 | $18$ | $\begin{aligned} & 6^{\prime \prime} \times 6^{n \prime} \text { Lako } \\ & 6^{\prime \prime} \times 12^{\prime \prime} \text { Leko } \end{aligned}$ | $\begin{array}{r} 750 \\ 750 \end{array}$ | $\begin{aligned} & \mathbf{F} \\ & \mathbf{F} \end{aligned}$ | $\begin{aligned} & 813 \\ & 813 \end{aligned}$ |  |
| 13 | $\begin{array}{r} 92 \\ 95 \\ 104 \end{array}$ | Bridge milldge 2nd 1 ． | $\begin{array}{r} 2 \\ 10 \\ 1 \end{array}$ | $\begin{array}{lll} 6^{\prime \prime x} & 12^{\prime \prime} & \text { Lako } \\ 6^{\prime \prime x} & 12^{\prime \prime} & \text { Loko } \\ 6^{\prime \prime} \times & 6^{\prime \prime} & \text { Lako } \end{array}$ | $\begin{aligned} & 750 \\ & 750 \\ & 750 \end{aligned}$ | $\begin{aligned} & \mathrm{M} \\ & \mathrm{M} \\ & \mathrm{M} \end{aligned}$ | 849 <br> 823 <br> 813 |  |
| 14 | $\begin{array}{r} 96 \\ 93 \\ 114 \end{array}$ | Bridge Bridge 3nd El ． | $\begin{array}{r} 9 \\ 18 \\ 6 \end{array}$ | $\begin{array}{lll} 6^{\prime \prime x} \times 12^{\prime \prime} & \text { Lako } \\ 6^{\prime \prime} \times 12^{\prime \prime} \text { Loko } \\ 6^{\prime \prime} \times 6^{\prime \prime} \text { Lako } \end{array}$ | $\begin{aligned} & 750 \\ & 750 \\ & 750 \end{aligned}$ | $\begin{aligned} & \mathbf{P} \\ & \mathbf{P} \\ & \mathbf{P} \end{aligned}$ | $\begin{aligned} & 813 \\ & 849 \\ & 813 \end{aligned}$ |  |
| 15 | $\begin{aligned} & 94 \\ & 90 \\ & 83 \end{aligned}$ | Bridge Bridge Bridge | $\begin{array}{r} 1 \\ 3 \\ 15 \end{array}$ | $\begin{array}{ll} 6^{\prime \prime} x & 6^{n} \text { Lako } \\ 6^{n \prime} \times 6^{\prime \prime} \text { Leke } \\ 6^{\prime \prime} \times 6^{\prime \prime} \text { Lako } \end{array}$ | $\begin{aligned} & 750 \\ & 750 \\ & 750 \end{aligned}$ | $\begin{aligned} & \text { B } \\ & \text { C } \\ & \text { D } \end{aligned}$ | 849 849 849 |  |
| 16 | $\begin{array}{r} 87 \\ 65 \\ 118 \end{array}$ | Bridge 2nd 1 In． 3nd EL ． | $\begin{array}{r} 17 \\ 8 \\ 5 \end{array}$ | $6^{n \prime x} 6^{n}$ Leko $6^{\prime \prime} \times 6^{\prime \prime}$ Leko $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | $\begin{aligned} & 750 \\ & 750 \\ & 750 \end{aligned}$ | $\begin{gathered} \mathbf{E} \\ \mathbf{K} \\ 0 \end{gathered}$ | 849 849 849 |  |
| 17 | $\begin{array}{r} 68 \\ 67 \\ 102 \end{array}$ | 2nd EH． 2nd ⿴囗十 ． 3nd Il ． | 2 7 2 | $6^{\prime \prime} \times 6^{\prime \prime}$ Lako <br> $6^{\prime \prime} x 6^{\prime \prime}$ Lako <br> $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | $\begin{aligned} & 750 \\ & 750 \\ & 750 \end{aligned}$ | $\xrightarrow{\text { I }}$ | 849 849 849 |  |


| DTMMER | CURCUITS | LOGATION | INST. | instruneattation | WATTS | POCUS | COLOR | RPMaRKS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18 | 98 | Bridgo | 5 | $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | 750 | B | 813 |  |
|  | 84 | Bridgo | 6 | $6^{\prime \prime} \times 6^{\prime \prime}$ Loko | 750 | D | 813 |  |
|  | 97 | Bridgo | 13 | 6"x $6^{\prime \prime}$ Loko | 750 | c | 813 |  |
| 19 | 89 | Bridge | 14 | 6"x 6" Lako | 750 | E | 813 |  |
|  | 99 | 2nd 1. | 5 | $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | 750 | K | 813 |  |
|  | 110 | 3nd IT . | 3 | $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | 750 | 0 | 813 |  |
| 20 | 78 | 2nd 1. | 3 | $6^{\prime \prime} \times 6^{\prime \prime \prime}$ Lako | 750 | J | 823 |  |
|  | 77 | 2nd ET . | 6 | $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | 750 | I | 813 |  |
|  | 120 | 3nd 1 . | 4 | 6"x $6^{\prime \prime}$ Leko | 750 | N | 813 |  |
| 23 | 106 | Bridge | 19 | $6^{\prime \prime} \times 9^{\prime \prime}$ Leko | 750 | I | 854 |  |
|  | 108 | Bridge | 20 | 6"x $9^{\prime \prime \prime}$ Lako | 750 | J | 854 | Gobo |
|  | 116 | Bridge | 21 | $6^{\prime \prime} \times 9^{\prime \prime}$ Loko | 750 | K | 854 |  |
| 24 |  | FOH \# 1 | 12 | $6^{\prime \prime} \times 12^{\prime \prime}$ Leko | 750 | F | 813 |  |
|  | 130 | SR Tree | 1 | $6^{\prime \prime} \times 6^{\prime \prime}$ Leko | 750 | B | 849 |  |
| 25 | 105 | 4 th 13. | 5 | $6^{6} \times 6^{\prime \prime \prime}$ Strip | 450 | Cyc | 821 |  |
|  | 105 | 4th Ex. | 6 | $6^{\circ} \times 6^{\prime \prime}$ Strip | 450 | Cyc | 821 |  |
|  | 105 | 4th min. | ? |  | 450 450 | Cyc | 821 |  |
|  | 105 | 4th H . | 8 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | Cyc |  |  |
| 26 |  |  |  | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | Cyc | 863 |  |
|  | 103 | 4th ET. | 6 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | Cyc | 863 |  |
|  | 103 | 4th m . | 7 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | Cyc | 863 |  |
|  | 103 | 4th 且. | 8 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | Cyc | 863 |  |


| DINTER | CURCUITS | LOGATION | INST. \# | INSTRUAISNTATION | MATTS | POCUS | COLOR | RTGURKS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27 | 101 | 4th 6 . | 5 | $6^{1} \times 6^{\prime \prime}$ Strip | 450 | Gyc | 874 |  |
|  | 101 | 4th 1 If. | 6 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | Cye | 874 |  |
|  | 101 | 4th ET. | 7 | $6^{\circ} \times 6^{\prime \prime}$ Strip | 450 | Cyo | 874 |  |
|  | 101 | 4th 且. | 8 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | Cyc | 874 |  |
| 28 | 153 | us Floor | 1 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | Cyc | 821 |  |
|  | 153 | US Floor | 2 | $6^{\circ} \times 6^{\prime \prime}$ Strip | 450 | Cyo | 821 |  |
|  | 153 | US Floor | 3 | $8^{\prime} \times 8^{\prime \prime}$ Strip | 450 | Cyo | 821 |  |
|  | 153 | US Floor | 4 | $8^{\prime} \times 8^{\prime \prime}$ Strip | 450 | Cyc | 821 |  |
| 29 | 159 | US Floor | 1 | $6^{\circ} \times 6^{\prime \prime}$ Strip | 450 | Cyo | 863 |  |
|  | 159 | US Floor | 2 | $6^{\circ} \times 6^{\prime \prime}$ Strip | 450 | Cye | 863 |  |
|  | 159 | US Floor | 3 | $8^{\prime} \times 8^{\prime \prime}$ Strip | 450 | Cyc | 863 |  |
|  | 159 | US Floor | 4 | 8'x $8^{\prime \prime}$ Strip | 450 | Cyc | 863 |  |
| 30 | 155 | US Floor | 1 | $6^{\circ} \times 6^{\prime \prime}$ Strip | 450 | Cyc | 874 |  |
|  | 155 | US Floor | 2 | $6^{\prime} \times 6^{\prime \prime}$ Strip | 450 | Cyc | 874 |  |
|  | 155 | US Floor | 3 | $8^{\prime} \times 8^{\prime \prime}$ Strip | 450 | Cyc | 874 |  |
|  | 155 | US Floor | 4 | $8^{\prime} \times 8^{\prime \prime}$ Strip | 450 | Cyc | 874 |  |
| 31 | 111 | 4th mi. | 1 | 14" Scoop | 500 | Cyc | 854 |  |
|  | 111 | 4th El. | 2 | $14^{\prime \prime}$ Scoop | 500 | Cyc | 854 |  |
|  | 107 | 4th 1 且. | 3 | $14^{\prime \prime}$ Scoop | 500 | Cyo | 854 |  |
|  | 109 | 4th El. | 4 | 14"Scoop | 500 | Cyc | 854 |  |
| 32 | 13 | Light | 1 | Follow Spot | 1000 |  |  |  |
|  |  | Booth |  |  |  |  |  |  |
| 33 | 42 | $\mathrm{FOH} \# 1$ | 2 | $8{ }^{\prime \prime}$ Fresnol | 1000 |  |  |  |
|  | 25 | $\mathrm{FOH} \# 1$ | 14 | $8{ }^{\prime \prime}$ Fresnel | 1000 | C | 854 |  |
|  | 39 | FOH \# 1 | 21 | $8^{\prime \prime}$ Fresnel | 1000 | E | 854 |  |

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包 $1 \rightarrow \approx=$
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TABLE 4 －Continued
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LIGHT PLOT

## TABLE 5

LIGHT PLOT


TABLE 5 - Continued


TABLE 5 - Continued

CUE NUMBRER 2
HOUSE LIGHS: FULL HALT OUT PRRSET: $X$ ** $Y$ INDEPRTDEMN: ADD ** SUBTRACT $\qquad$ COUNT 5 HOTES: CUE: After 10 Beats

| 1. | Curtain Marmers |  | 21. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2. | BCD Cool | 10 | 22. |  |  |
| 3. | Kino Ceol | 10 |  | Gobo Special |  |
| 4. | IJN Cool | 10 | 24. | SL Door | 4 |
| 5. | BCD Varn | 7 | 25. | Hed Cyc Top | 3 |
| 6. | KEO Wam | 7 | 26. | Greon Cyc Top | 8 |
| 7. | IJN Wamm | 5 | 27. | Blue Gye Top | 10 |
| 8. | Groundrow | 4 | 28. | Hed Cye Bottom | 6 |
| 9. | Moon \& Fireplace |  | 29. | Green Cyc Bottom | 8 |
| 10. | Q Marn | 8 | 30. | Blue Cye Botton | 8 |
| 11. | SR Door (G) | 6 | 31. | Scoops | 10 |
| 12. | DSL Door (F) | 6 | 32. | Spot Light |  |
| 13. | UR (M) | 6 | 33. | Night Mash | 2 |
| 14. | UL (P) | 6 | 34. | Night Wamh | 2 |
| 15. | BCD (Back) Cool | 8 |  |  |  |
| 16. | KRO (Back) Cool | 8 |  |  |  |
| 17. | IJN (Back) Cool | 8 |  |  |  |
| 18. | BCD (Back) Nana | 6 |  |  |  |
| 19. | KHOO (Back) Warm | 6 |  |  |  |
| 20. | IJN (Back) Warm | 6 |  |  |  |

TABLE 5 - Continued

table 5 - Continued


TABLE 5 - Continued


TABLE 5 - Continued


TABLE 5 - Continued

| CUE NOMBERR ? <br> PRESEIT: $X$ * $Y$ $\qquad$ <br> NOTRS: Bnd of Dance |  | HOUSE LIGHTS: INDEPPENDENT: ADD |  | FULL HALF _ SUBIRACT ** | OUT counr 3 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1. Curtain Marnexs |  | 21. |  |  |
|  | 2. BCD Cool | 10 | 22. |  |  |
|  | 3. KEOCOO1 | 10 | 23. | Gobo Special |  |
|  | 4. IJN Cool | 10 | 24. | SL Door | 6 |
|  | 5. BCD Marm | 7 | 25. | Red Cyc Top | 3 |
|  | 6. KBOO Warn | 7 | 26. | Green Cye Top | 10 |
|  | 7. IJN Warm | 6 | 27. | Blue Cye Top | 10 |
|  | 8. Groundrox | 7 | 28. | Red Cye Bottom | 6 |
|  | 9. Moon \& Fireplace |  | 29. | Green Cye Bottom | - 8 |
| 10. | - Q Warm | 10 | 30. | Hinue Cye Bottom | 8 |
|  | . SR Door (G) | 6 | 31. | Scoops | 10 |
|  | 2. DSL Door (F) | 7 | 32. | Spot Light |  |
|  | 3. UR (M) | 8 | 33. | Might Wash | 2 |
|  | 4. UL (P) | 7 |  | Night Wash | 2 |
|  | 5. BCD (Back) Cool | 8 |  |  |  |
|  | . K=O (Back) Cool | 8 |  |  |  |
| 17. | . IJN (baak) Cool | 8 |  |  |  |
| 18. | . BCD (Back) Narm | 6 |  |  |  |
| 19. | . KBO (Back) Warm | 6 |  |  |  |
| 20. | . IJN (Back) Mam | 6 |  |  |  |

## Tablis 5 - Continued



## TABLE 5 - Continued

| CUS NUMBER 9 | HOUSE LIGHTS: |  | FULL HALF OUT |  |
| :---: | :---: | :---: | :---: | :---: |
| PRESEIT: $X$ $\qquad$ $Y$ $\qquad$ NOTRS: Karon Bnters | INDEPENDENT: |  | ** SUBTRACT__ Con | counr 3 |
| 1. Curtain Marmers |  | 21. |  |  |
| 2. BCD Cool | 6 | 22. |  |  |
| 3. KBOCCoOl | 6 | 23. | Gobo Special | 10 |
| 4. IJN Cool | 6 | 24. | SL Door | 3 |
| 5. BCD Warm | 5 | 25. | Red Cyo Top | 3 |
| 6. krio Harm | 5 | 26. | Green Cyo Top | 10 |
| 7. IJN Maxa | 5 | 27. | Blue Cyc Top | 10 |
| 8. Groundrow | 4 | 28. | Red Cyo Bottom | 6 |
| 9. Moon \& Firoplace |  | 29. | Green Cyc Botton | - 8 |
| 10. Q Warm | 6 | 30. | Blue Cyc Bottom | 8 |
| 11. SR Door (G) | 4 | 31. | Scoops | 10 |
| 12. DSL Door (F) | 4 | 32. | Spot Light | 10 |
| 13. UR ( $M$ ) | 4 | 33. | Night Wash | 2 |
| 14. UL (P) | 4 | 34. | Night Wash | 2 |
| 15. BCD (Back) Cool | 6 |  | - + |  |
| 16. KDOO (Back) Cool | 6 |  |  |  |
| 17. IJN (Back) Cool | 6 |  |  |  |
| 18. BCD (Back) Warn | 6 |  | - - |  |
| 19. KBD (Back) Warm | 6 |  |  |  |
| 20. IJN (Back) Wann | 6 |  |  | - |

TABLE 5 - Continued

| CUE NUMBER 10 <br> PRESSII: $X$ $\qquad$ <br> NOTPS: Karen Brits | HOUSE LIGHTS;$\qquad$ INDPPRADEMT: ADD |  | PULL HALP OL SUBTRACT ** | $\text { COUNT } 3$ |
| :---: | :---: | :---: | :---: | :---: |
| 1. Curtain Hanmers |  | 21. |  |  |
| 2. BCD Cool | 6 | 22. |  |  |
| 3. KEOOCOOL | 6 | 23. | Gobo Special | 10 |
| 4. IJN Cool | 6 | 24. | SL Door | 3 |
| 5. BCD Wamm | 5 |  | Red Cye Top | 3 |
| 6. $\mathrm{y}=0 \mathrm{Harm}$ | 5 |  | Green Cyo Top | 10 |
| 7. IJN Mam | 5 |  | Blue Gyc Top | 10 |
| 8. Groundrow | 4 |  | Red Cyc Bottom | 6 |
| 9. Moon \& Firoplace |  | 29. | Green Cyo Bottoa | 8 |
| 10. Q Manm | 6 | 30. | Hine Cye Botton | 8 |
| 11. SR Door (G) | 4 | 31. | Scoops | 10 |
| 12. DSL Door (F) | 4 | 32. | Spot Light |  |
| 13. UR ( $M$ ) | 4 | 33. | Might Meah | 2 |
| 14. UL (P) | 4 |  | Night Wagh | 2 |
| 15. BGD (Back) Cool | 6 |  |  |  |
| 16. K00 (Bank) Cool | 6 |  |  |  |
| 17. IJN (Back) Cool | 6 |  |  |  |
| 18. BCD (Baok) Warn | 6 |  |  |  |
| 19. K00 (Back) 분 | 6 |  |  |  |
| 20. INH (Baok) Mary | 6 |  |  |  |

table 5-Continued


TABLE 5 - Continued

| CUE NUMBRER 12 $\qquad$ <br> PRRSTIT: $X$ $\qquad$ Y** NOTES: Music Cue | HOUSE LIGTS: FULL HALP OUT <br> INDEPRNDENT: <br> ADD $\qquad$ SUBTRACT $\qquad$ COUNI ** |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 1. Curtain Warners |  | 21. |  |  |
| 2. BCD COOL | 8 | 22. |  |  |
| 3. K18O Cool | 8 | 23. | Cobo Special | 10 |
| 4. IJN Cool | 8 | 24. | SL Door | 3 |
| 5. BCD Hant | 6 | 25. | Bed Cyo Top | 3 |
| 6. KISO Marm | 6 | 26. | Greon Cyc Top | 5 |
| 7. IJN Warn | 6 |  | Blue Cye Top | 10 |
| 8. Groundrow | 2 | 28. | Red Cyo Bottou | 3 |
| 9. Moon \& Firoplace | 10 | 29. | Green Cyc Bottom | 5 |
| 10. Q Warm | 7 | 30. | Blue Cyc Bottom | 6 |
| 11. SR Door (G) | 5 | 31. | Sooops | 4 |
| 12. DSL Door (F) | 5 | 32. | Spot Light |  |
| 13. UR (M) | 4 | 33. | N1ght Wash | 10 |
| 14. UL (P) | 4 | 34. | Night Wash | 10 |
| 15. BCD (Back) Cool | 7 |  |  | - |
| 16. KHO (Back) Cool | 7 |  |  |  |
| 17. IJN (Beak) Cool | 7 |  |  |  |
| 18. BCD (Back) Wara | 5 |  |  |  |
| 19. KBOO (Beok) Warim | 6 |  |  |  |
| 20. IJN (Back) Manm | 6 |  |  |  |

## TABLE 5 - Continued


table 5 - Continued

| CUE NUMBERR 14$\qquad$ HOUSE LIGTSS PULL HALF OUT PRESET: X $\qquad$ $Y$ $\qquad$ INDTPPMDESN: ADD $\qquad$ SUBTRACT $\qquad$ COUNT 3 nories; Red Shoes are Put on |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | , Curtain Hamers |  | 21. |  |  |
|  | 2. BCD Cool | 8 | 22. |  |  |
|  | 3. KEOCOO1 | 8 | 23. | Gobo Special | 10 |
|  | 4. IJN Cool | 8 | 24. | SL Door | 3 |
|  | 5. BCD Warm | 6 | 25. | Red Cye Top | 3 |
|  | 6. KEO Warn | 6 | 26. | Green Cyc Top | 5 |
|  | 7. IJN Warn | 6 | 27. | Hine Cyc Top | 10 |
|  | 8. Groundrow | 2 | 28. | Red Cyc Bottom | 3 |
|  | 9. Moon \& Firoplace | 10 | 29. | Green Cye Bottom | 5 |
| 10. | 0. Q Wara | 7 | 30. | Blue Cyc Bottom | 6 |
|  | 1. SR Door (G) | 5 | 31. | Scoops | 4 |
|  | 2. DSL Door (F) | 5 | 32. | Spot Light |  |
|  | 3. UR (M) | 4 | 33. | Night Mash | 10 |
|  | 4. UL (P) | 4 | 34. | Night Wash | 10 |
| 15. | 5. BCD (Back) Cool | 7 |  |  |  |
| 16. | 6. KBOO (Baak) Cool | 7 |  |  |  |
|  | 7. IJN (Baok) Cool | 7 |  |  |  |
|  | 8. BCD (Back) Warn | 5 |  |  |  |
|  | 9. Kwo (BaNk) Marn | 6 |  |  |  |
| 20. | 0. IJN (Baok) Mann | 6 |  |  |  |

tabus 5 - Continued


## TABLI 5 - Continued

| CUS NOMBTAR 16 $\qquad$ <br> PRRESET: X $\qquad$ Y $\qquad$ MOTES; Dance Stope |  | $\begin{aligned} & \text { house Lic } \\ & \text { InD Prandsic: } \end{aligned}$ | $\begin{aligned} & \text { HTS: } \\ & \text { ADD_ } \end{aligned}$ | PULL HALF $\qquad$ SUBPRACT $\qquad$ | our counr 3 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1. | Gurtain Marmers |  | 21. |  |  |
| 2. | BaD Cool | 8 | 22. |  |  |
| 3. | KEO Cool | 8 | 23. | Gobo Special | 10 |
| 4. | IJN Cool | 8 | 24. | SL Door | 3 |
| 5. | BCD Vamm | 6 | 25. | Red Cye Top | 3 |
| 6. | K00 Warm | 6 | 26. | Green Cye Top | 5 |
| 7. | INN Wamm | 6 | 27. | Blue Cyc Top | 10 |
| 8. | Groundrox | 2 | 28. | Red Cye Botter | 3 |
| 9. | Meon \& Firoplace | 10 | 29. | Green Cyc Bottom | 5 |
| 10 | Q Wanm | 7 | 30. | Blue Cyc Bottom | 6 |
|  | SR Door (G) | 5 | 31. | Scoops | 10 |
| 12. | DSL Door ( $F$ ) | 5 | 32. | Spot Light |  |
| 13. | UR (M) | 4 | 33. | Night Wash | 10 |
|  | U (P) | 4 | 34. | M1ght Wash | 10 |
| 15 | BCD (Back) Cool | 7 |  |  |  |
| 16 | 100 (Baak) Cool | 7 |  |  |  |
| 17 | IJN (Back) Cool | 7 |  |  |  |
| 18 | BCD (Bnak) Maxn | 5 |  |  |  |
|  | 100 (Baok) Warm | 6 |  |  |  |
| 20. | INN (Baok) Mam | 6 |  |  |  |

## table 5 - Continued



## TABCE 5 - Continued



## TABLE 5 - Continued

| CUE NUNBERR 19$\qquad$$\qquad$$\qquad$ $Y$ NOTES: Jeame Dances |  | $\begin{aligned} & \text { HOUSI LIG } \\ & \text { IND PGRDEAT: } \end{aligned}$ | HIS: $A D D$ <br> 22. | FULL HALF OUT SUBTRACT $\qquad$ COUNI 3 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1. | Curtain Maxmers |  |  |  |  |
| 2. | BCD Cool | 8 | 22. |  |  |
| 3. | K=0 Cool | 8 | 23. | Gobo Special | 10 |
| 4. | IJN Cool | 8 | 24. | SL Door | 3 |
| 5. | BCD Warm | 6 | 25. | Red Cyc Top | 3 |
| 6. | kFo Warm | 6 | 26. | Green Cyc Top | 5 |
| 7. | IJN Wamm | 6 | 27. | Haue Gye Top | 10 |
| 8. | Groundrow | 2 | 28. | Red Cyc Bottom | 3 |
| 9. | Moon \& Fireplace | 10 | 29. | Green Cyc Bottom | 5 |
| 10. | Q Vamm | 8 |  | Bnue Cyc Botton | 6 |
|  | SR Door (G) | 5 |  | Scoops | 10 |
| 12. | DSL Door (F) | 5 |  | Spot Light | 10 |
| 13. | UR (M) | 4 |  | Night Wash | 10 |
| 14. | UL (P) | 4 | 34. | N1ght Wash | 10 |
|  | BCD (Back) Cool | 7 |  |  |  |
| 16. | KEO (Back) Cool | 7 |  |  |  |
| 17. | IJN (Back) Cool | 7 |  |  |  |
|  | BOD (Back) Max | 5 |  |  |  |
| 19. | Kro (Back) Warn | 6 |  |  |  |
|  | IJN (Back) Warn | 6 |  |  |  |

## TABLE 5 - Continued


table 5 - Continued


## TABLE 5 - Continued



TABLR 5 - Continued


TABLE 5 - Continued



## TABLE 5 - Continued


table 5 - Continued


PRODUCTION PHOTOGRAPHS



Figure 11


Figure 12

## CHAPTER III

## CRITICAL EVALUATION

The purpose of this chapter is to break down the technical production of The Red Shoes into its component parts and evaluate these parts as to their strengths and weaknesses. These parts shail consist of; (1) the scenery, (2) the properties, (3) the sound, (4) the lighting.

Evaluating the visual design is very difficult after being totally involved in its completion. But part of any learning process is the ability to self-evaluate and to be able to accept and learn from other's critical comnents.

## The Scenory

The overall scenic development was very successful. Original worries about budget, time slot, and lack of technical crews proved to be unfounded. My budget problems were solved by the large amount of stock materials in the shop. The time slot proved to give me more than onough shop time to compensate for the small technical crews. Also the crews that were available were skilled and concerned about the final offeot of their work.

The use of Carl Larssen's paintings as a model for the scone painting proved to be a very good choice. The colors used were earth tones. The concentration to detail, which Larssen uses so well, was also adapted in my design and helped make the scenery immediately
recognizable and bellevable to the young audience.
The act curtain, which was used before the performance began and during intermissions, was pulled from stock and then ropainted. The original concept for the design was completely altered. I decided that the painting of the interior of a cobbler's shop would not convey the theme of the play. So the design was changed to a benner with the production's title on it, the shoes, and a button hook. As a background, I chose to use pine boughs and pine cones, which gave it the rustic quality required. It is my feeling that the act curtain was able to set a preliminary mood in the children's minds. Also, for the children, the act drop was visually interesting.

The Director wanted it to be taken on the tour to be used in theatres which had sufficient fly space avallable for its flying. After consideration, the tour's technical director and I decided to abandon the idea of taking it on tour for we both realized that there would never be enough time or people to rig it.

Scenically, act one was very successful. Both the cobbler's shop and the 'nice old lady's' house were constructed the same way. They were designed to represent houses with exposed timber and rough stucco exteriors. The only problem arose after the first setup. It was discovered that the roofs were sufficiently heavy to cause sagging. The solution was quite simple, a stage brace was constructed to support the upstage rear corner of the roof. The roofs were then notched to prevent the stage braces from slipping off the roof.

Overall, the painting of both houses worked very well. The
only weakness was the windows, which appeared too flat. More could have been done to make them appear three dimensional in appearance. The groundrow posed one of the biggest questions in the design because I could not decide which would be the simplest and lightest method for its construction. In the ond, the simplest proved the best, which consisted of two, two-fold flats forming the basis with four small quarter inch plywood panels placed in front of the two-folds for act one. The two-folds and panels could be coabined in any number of difforent arrangements depending on the space available.

The painting of the groundrow was the most offective in the entire production. The two-folds ware done to resemble mountains and a distant forest. This scone mas used for act tro. Painted on the panels were cottages seen in the distance. The forest and mountains were visible above the panels during act one. The visual offect of the panels in front of the tro-folds in act one gave a very nice three dimonsional offect of cottages with mountains in the distance.

The only problems to arise in the act one scenery came with the first set-up. The Director didn't like the placement of the well. It was originally placed down center but the Director folt that it would impede movement so it was moved up-left next to the cottage. Placing the well in that location necessitated moving the picket fence in front of the cottage door. The resulting offect was that of an eapty centor stage and a congested stago loft.

The major pieces of scenery for act two were the gypsy tent and eypsy wagon. Both units consisted of the sconery from act one,
plus either hard or soft panels. Stage right used an ontire covering of soft panels, while stage left used panels to cover part of the unit. There were serious doubts as to the workability of the panels, but once in place, they proved very offective.

There were a few weaknesses in the conversion from act one to act two. It would have been more interesting visually if I had broken the line of the tent roof by the use of some sort of cut-outs such as flags or the tops of trees. I wanted to add something but with the soft panels attached to the peak of the roof, I was never able to figure out a way to attach the cut-outs. A number of different ideas were first considered, then rejected as unsatisfactory. Finally the idea was abandoned.

The other major weakness was the roof of the 'nice old lady's' house. It remained the same for act two. Having a soft flat covering the act one roof would have completed the change. Unfortunately time ran out before another panel could be made and painted.

Two flats, placed just upstage of the erand drape, were used as downstage masking for the performances in Taylor Building's theatre. They were to serve as a proscenium arch when the production went on tour. It was suggested that the flats could have had a design painted on them, instead of the flat color which was used. Trees or stone walls would have tied in well with the design approach.

The Properties

Most of the properties were everyday household items such as baskets and canes. Only a few items actually had to be designed and
constructed. The dog cart was one. It was one of my biggest personal disappointments. A great deal of thought was involved in its design. The major concern was that the gypsy had to ride on stage with his hurdy-gurdy and a number of parcels. The script called for a wheelbarrow but I knew that it would be too small to contain everything. After reproducing a dog cart, I found that the Director had changed the blocking to the point that the gypsy did not ride in the wagon at all. The wagon was just pulled onto the stage and then pulled off again. I folt that it was a great waste of time and effort.

The hurdy-gurdy also had to be constructed. It underwent a number of changes from its original plan. The basic idea was a box with a shoulder strap and a single leg stand. The Director felt the leg got in the way of the action of the play so it was removed. Then, once the actors started using costumes, it was discovered that the shoulder strap would not work conveniently with the eypsy's hat on. Thus the shoulder strap was modified so that it snapped behind the neck to make it easier to put on and take off. The actors continued to complain about the weight of the hurdy-gurdy but there was nothing to be done without completely redesigning the property, so they accepted 1t. It did work out very well as it was.

Another property to be built was the bench which was outside the cobbler's shop. It was purposely constructed to look homemade and rustic. From the audionce, it gave the desired offect.
All the rest of the properties were collected from the property room. This was a blessing because purchasing properties from stores.
even at discount houses and flea markets, can prove to be expensive. The property crew needed a budget of only twenty dollars. All the properties looked and worked quite well and I was very pleased with the overall effect.

## The Sound

Originally I thought that I would be responsible for the sound in the production. After meeting with the Director, it was decided that he would take care of the audio offects. It was agreed that with all the dances which take place, it would be very difficult to have two people involved with its planning. With the Director handing the sound, I had more time to work out the other technical aspects of the production.

## The Lighting

Of all the elements of the visual design, the lighting design proved to be the least successful. Many problems arose, sone of which were anticipated and others were not. The priasary cause of concern was the grand drape. The contour of the curtain meant that many lighting positions had to be changed. A number of areas which were designed to be covered by cross lighting were limited to light only from one side. In some instances gel colors had to be modified because of the uneven lighting.

Extreme down left and right, and up center were the most affected by the contour curtain. The problem of up center was solved by hitting the area head on. An instrument was hung in the center of
the first front-of-the-house beam position and focussed up center, which helped somewhat. But down right and left continued to cause problems whenever the actors came down below the curtain line. The shuttering of the instruments was so tight, in order to keep spill off the curtain, that very little could be done to solve the problem satisfactorily.

One solution could have been to use a lower angle of lighting by using the second front-of-the-house beam position, instead of the first. This would have brought the light in under the grand drape, but possibly it would have caused too much spill on the scenery.

The grand drape forced the addition of side light down right and left. Originally both areas were cross-lit, but both cool color instruments had to be eliminated. The side light, from just upstage of the grand drape, helped balance the color, but did not help the dark areas just below the curtain line.

The costumes for the production posed another problem. Most of the characters wore wide brim hats. Using the McCandless method of hanging the instruments produced shadows on the actor's faces. Again, hanging the front-of-the-house instruments from the second beam would possibly have helped the problem.

Originally the lighting design included two light trees, to be focussed as back light for the doors of each house. Once the scenery had been set in place, it was discovered that it was impossible to offectively back light the doors without an excessive amount of spill light being visible from the audience. Thus the idea was abandoned.

Overall, act one was disappointing as far as the lighting design was concerned. I was never successful in accomplishing a smooth daylight effect. I was unable to oliminate the warm and cool contrasts on the stage. The cyclorama and groundrow were well lit, but the downstage areas were weak.

Act two was set at night. To aid in the suggestion of darkness, I used six eight inch Fresnels with Roscolene number 854, steel blue, for color. The resulting offect, coupled with lowering the intensity of the wam instruments, was quite offective.

Another device which was used to add to the nighttime effect was the "moon special". It was achieved by placing a forty watt household bulb and socket inside an institutional waste basket. Over the open end was placed a shield which left only a quarter cresent. The waste basket was then suspended at approximately sixteen feet from the stage floor behind the cyclorama. Once the light was turned on, the effect from the front-of-the-house worked very well.

The campfire was required to house a flash effect to be used when Karin threw the red shoes in the fireplace to destroy them. A flash pot was finally used to accomplish the desired offect. The flash and accompanying smoke worked very well.

After several discussions with the Director, it was agreed to use a follow spot for all the dances. The spot was operated from the light booth. Unfortunately the theatre's follow spot was not powerful enough to use gel and still be able to be read with other stage instruments at high intensity. But when using the follow spot, while the other instruments were at full, the follow spot did not
have the hard edges which are used for nusical comedy, but gave a circle of illumination which was soft and it worked very well.

Numerous times during the play, Karin puts on the red shoes. This is the only unrealistic action in the play. I felt these moments should be separated from the rest of the production. The effect was to be accomplished by three six inch by nine inch Lekolites with gobos. The gobos were cut in leaf patterns. The instruments were focussed to give general illumination across the acting areas. Unfortunately these instruments were completely washed out by the rest of the stage lighting. The primary cause of their ineffectiveness was the fact that the gobos were placed in the gel housing of the instruments instead of in its proper place inside the instruments. The proper placement of the gobos would have made a difference.

## Summary

The overall visual design for The Red Shoes was a very satisfactory and rewarding experience. Scenically the production was quite successful. A great deal was learned about the various scene painting techniques. Another area of considerable learning came from designing, then visualizing the lighting for the production. A number of flaws developed but overall the lighting design was successful as far as the general audience was concerned.

It is safe to say that the greatest learning process came in my own self-awareness. Patience and understanding was found to be a great asset when working with other creative people all trying to accomplish the same goal, a successful stage production.

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