

## PHONE BOOTH FOR ORBITING SPACE STATION

This memorandum is concerned with a design for a phone booth on an orbiting space station for a forthcoming MGM picture to be directed and produced by Stanley Kubrick.

The attached drawing shows the phone booth in a number of different views. For picturephone communication, it would be somewhat important that both acoustical and visual privacy be insured. This has been accomplished by a completely enclosed booth with a sliding glass door. The booth is extremely plain in design and should be constructed from light-weight metals or plastic. The Bell System seal should be prominently displayed on the outside of the booth. (Some prints of the seal and its dimensions are also attached to this memorandum.)

The major piece of equipment in the booth is the picturephone itself. This device consists of a color television screen approximately 2" thick. The camera is located within the screen, and the screen is fastened to a sloping contoured desk top. Buttons for viewing self, for one-way visual transmission, and for scrambling are located on the more-steeply-sloped portion of the desk. A TOUCHTONE<sup>®</sup> set and a slot for insertion of a credit charge card are located on the flat surface of the desk. The floor of the booth should be carpeted and the walls and ceiling should be made

from pleasing materials. The chair swivels to allow the customer easy access. Controls for moving the chair up and down and forward and backward are located on the two arms. Illumination of the interior of the booth is achieved by ceiling light panels. If the booth were placed along the wall of the space station, a window in the rear of the booth looking out of the station would be very good since the other party would then see the customer with the earth and stars as a background. The booth might also be placed in a circular fashion as indicated on the drawing in the top view. Openings for the microphone and loudspeaker are located on the steeply-sloping portion of the desk. The sound picked up by the microphone should not have any reverberancy.

Perhaps the best way to explain the various features of the booth is to describe a few typical calls. The customer approaches the booth and, if the booth is vacant, the glass door automatically slides open. The customer enters it, sits down in the comfortably-contoured chair, and makes any necessary adjustments of the chair.

When he is ready to call, he pushes the "1" button on the TOUCHTONE<sup>®</sup> dial. At this point, some indication must be given to the customer that the equipment is ready to accept his call and give him service. This might be done by having a pre-recorded girl appear on the screen

and say, "May I be of service, please?" Alternatively, a Bell System seal might appear on the screen accompanied by present-day dial tone. Instead of the seal, the screen might just light up and gradually change color accompanied by some appropriate tone. A number of possibilities now exist for completing the call or for obtaining some other type of service.

TOUCHTONE<sup>®</sup> Call. The customer inserts his magnetic credit card into the slot on the desk portion of the picturephone and then dials the desired number using the TOUCHTONE<sup>®</sup> set. The numbers dialed would include a World Zone Code and the total number of dialed digits would hopefully be eleven or less depending on the country called.

Verbal Dialing. The customer inserts the credit card and verbally gives the desired number, digit by digit.

Verbal Information Dialing. If the customer does not know the called party's number, he verbally gives the country, state, city, name, and address of the party. The equipment then automatically looks up the number and completed the call. If the information is not complete enough, a human operator appears on the screen and requests more details.

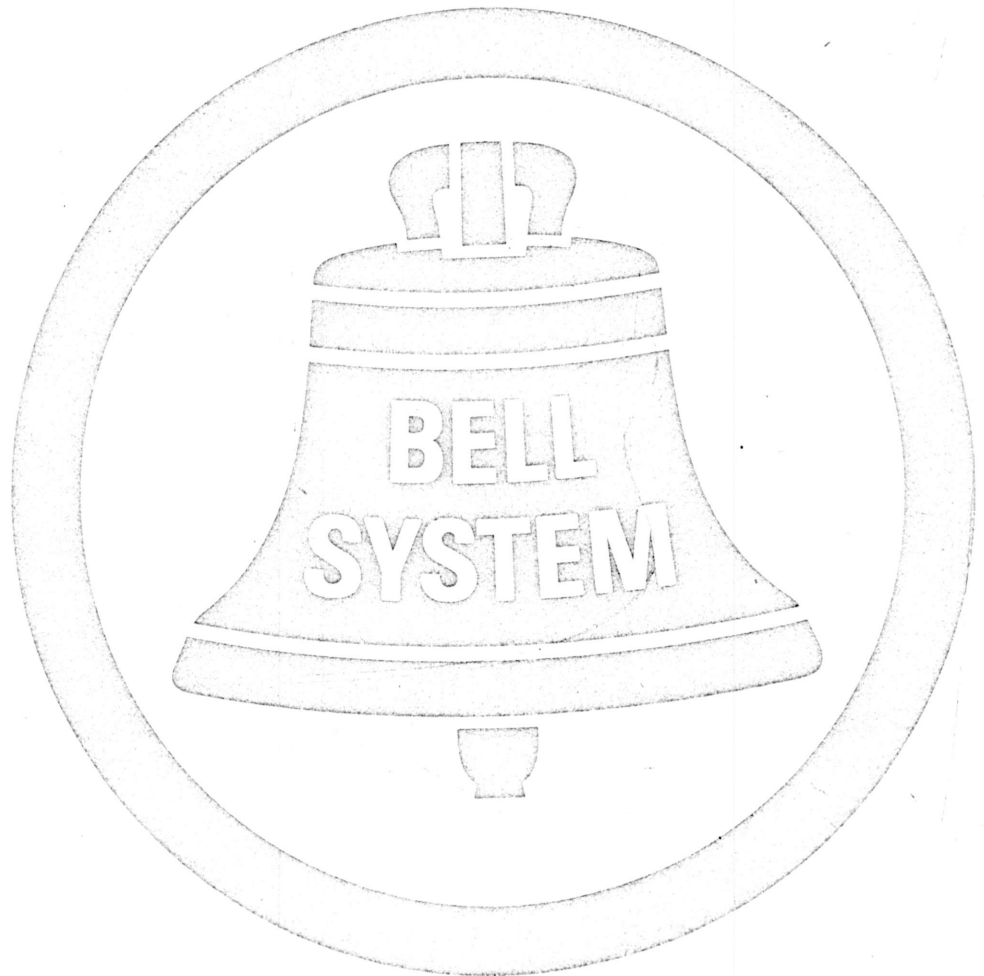
"Service Guide." Some sort of world-wide Yellow Page service should also be provided. This is accomplished by the customer verbally requesting "Service Guide." He also gives country, city and type of service desired, i.e., New York City, bicycle dealers. A listing in printed form of the desired category would appear on the face of the screen. The customer would "thumb" through the pages by depressing the "3" button on the TOUCHTONE<sup>®</sup> set. To place the call, the customer would push the "1" button and dial the desired number.

The call would be completed in a fraction of a second and the screen would change color to indicate that the called phone was ringing. Some appropriate sound should also be generated. If the called party were not there, and had transferred any calls to another number, a printed message to this effect would appear on the screen, and the call would automatically be transferred. At the completion of the call, the customer pushes the "off" button on the TOUCHTONE<sup>®</sup> set.

A. Michael Noll  
9-3-65

The Bell seal.

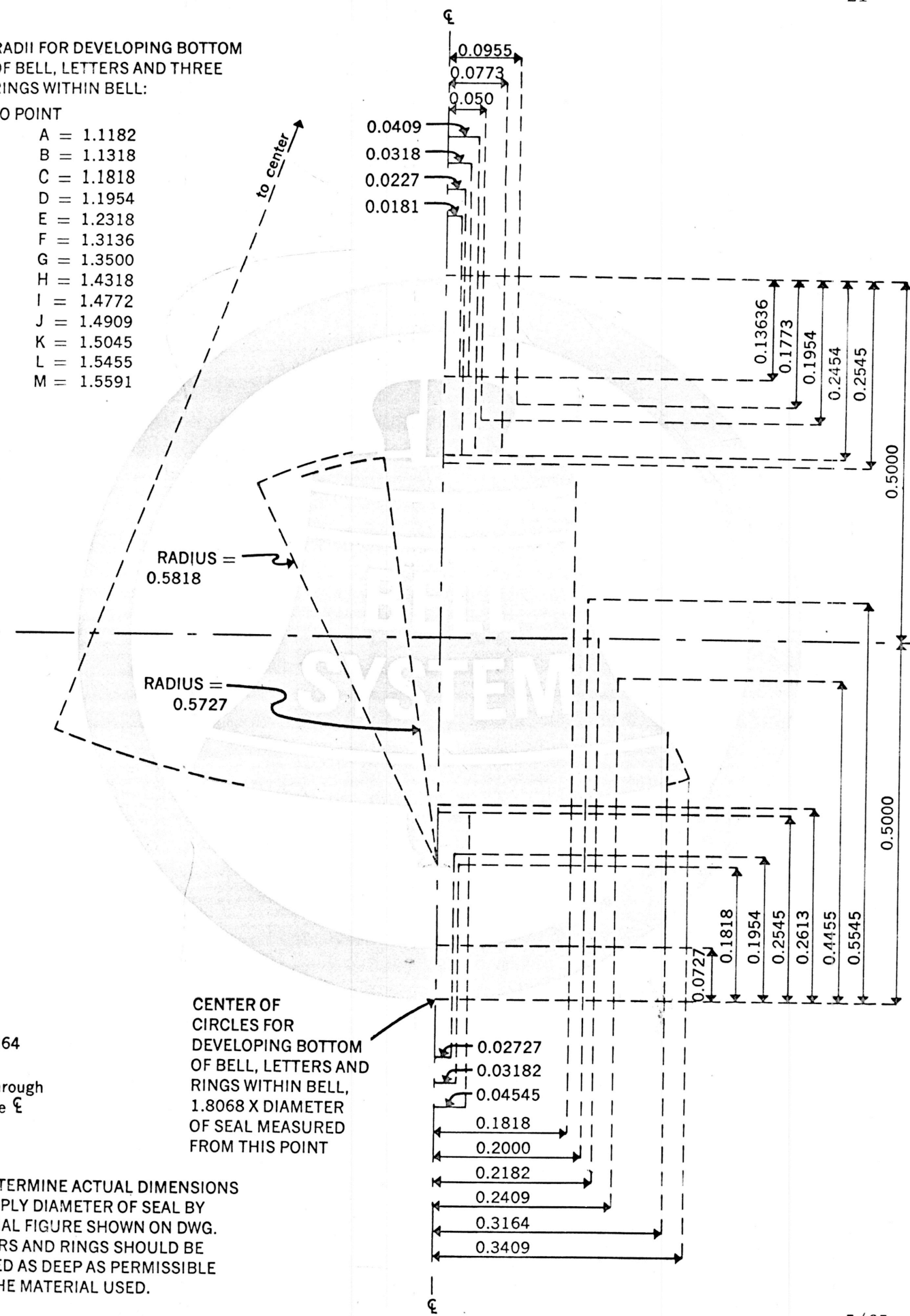
The Bell seal shown below is the only mark to be used for identifying the American Telephone & Telegraph Company, its subsidiaries, and its associated operating telephone companies, divisions, services and products. It is the only Bell System seal that should be used in the future. It has been standardized to promote a single, strong and accurate symbol of the Bell System. It should be used, either alone or in a company signature, whenever Bell System companies, products, and services are identified. This includes advertising of all kinds, vehicles, buildings, public telephones, stationery and business forms, external and internal company publications, directory covers, etc.



RADII FOR DEVELOPING BOTTOM OF BELL, LETTERS AND THREE RINGS WITHIN BELL:

TO POINT

- A = 1.1182
- B = 1.1318
- C = 1.1818
- D = 1.1954
- E = 1.2318
- F = 1.3136
- G = 1.3500
- H = 1.4318
- I = 1.4772
- J = 1.4909
- K = 1.5045
- L = 1.5455
- M = 1.5591



CENTER OF CIRCLES FOR DEVELOPING BOTTOM OF BELL, LETTERS AND RINGS WITHIN BELL, 1.8068 X DIAMETER OF SEAL MEASURED FROM THIS POINT

Section through center line €

NOTES

1. TO DETERMINE ACTUAL DIMENSIONS MULTIPLY DIAMETER OF SEAL BY DECIMAL FIGURE SHOWN ON DWG.
2. LETTERS AND RINGS SHOULD BE INCISED AS DEEP AS PERMISSIBLE FOR THE MATERIAL USED.