The following questions and answers resulted from a visit by the Customer on Project [redacted] on June 18, 1965. STATINTL

Those present were:

[redacted] STATINTL

I. Question: [redacted] to Customer STATINTL

Has our proposal [redacted] been evaluated and if so what is your decision? STATINTL

Answer: Customer

The proposal is acceptable and funds are in the process of being obtained.

II. Question: [redacted] to Customer STATINTL

How flat does your film lay on the light table, is it greatly cambered?

Answer: Customer

This will require some investigation on my behalf.

III. Question: [redacted] to Customer STATINTL

From the two designs for mounting the [redacted] Stereoscope to the table, which do you prefer? STATINTL

Answer: Customer

The adjustable cantilever is more desirable but the more rigid method will be acceptable if further investigation proves that the adjustable cantilever will not work.

IV. Question: [redacted] to Customer STATINTL

Is it permissible to change the rear carriage ~~reel~~ rail on the microscope movement on table #3 to the higher position as shown. This will facilitate mounting of the tracking light sources?

Answer: Customer

This is permissible.

STATINTL V. Question: [redacted] to Customer

Will individual controls be needed on the tracking light sources?

Answer: Customer

Yes.

Statement: Customer

The area surrounding the high intensity light sources must be illuminated. This may require a lucite turret to be used to permit the general illumination to pass.

STATINTL VI. Question: [redacted] to Customer

Are the film hold-down bars used mostly in the up or down position?

Answer: Customer

On Table #1 the bars will be up most of the time; on Tables #2 and 3 the bars will be down most of the time.

STATINTL VII. Question: [redacted] to Customer

Can two inches be added to the length of Tables #2 & 3, the length will increase from 55 to 57 inches?

Answer: Customer

Yes.

Statement:

STATINTL [redacted] to Customer

The tracking light sources in their present configuration will not come to within 1/2" of the front surface of the light table. The customer recommended a modification to the light sources, [redacted] was contacted to determine if this could be made, the light sources will be modified to allow them to come to within 1/2 inch of the front edge of the light table. The customer was also concerned about the film heating from the light sources. [redacted] stated that film temperature should not go above 135°F above a 70°F ambient. 25X1 25X1

STATINTL VIII. Question: [redacted] to Customer

Can the leveling pads be so designed to raise Tables #2 & #3 two inches in the front and three inches in the rear? With this configuration, the pads can be placed within the main table casting.

Answer: Customer

Yes

STATINTL IX. Question: [redacted] to Customer

Must the high intensity light sources be adjusted while the operator is looking into the microscope?

Answer: Customer

Most definitely.

STATINTL X. Question [redacted] to Customer

Can the depth of Table #1 be 16-1/2" rather than 16" not including crank handles?

Answer: Customer

Yes.

STATINTL XI. Question: [redacted] to Customer

What color do you wish to have the three light tables painted?

Answer: Customer

Matte green.

STATINTL XII. [redacted] to Customer

STATINTL Can the control box for the three light tables be of the [redacted] Radio
STATINTL [redacted] type?

Answer: Customer

This is satisfactory.

Statement: Customer

The interconnecting cable must be long enough to move the control unit to any operating position on the three tables.

STATINTL Statement: Schedule Change, Customer, [redacted]

The delivery schedule must be c hanged on the three light tables.
STATINTL A realistic schedule must be submitted as soon as possible. [redacted] asked the customer to wait until a firm delivery could be established on the precision microscope movements before a final delivery date is given. The customer stated that this would be satisfactory. A new delivery date will be given before 15 July 1965.

STATINTL XIII. [redacted] to Customer, Question:

Can the light intensity on Table #3 be measured by use of a diffuser

placed on the viewing surface then multiply the light valve obtained in foot lamberts by 1+ (1-% diffuser transmission) to obtain the light output?

Answer: Customer

Yes, this method is satisfactory.

The following statements resulted from a meeting on Tuesday, May 11, 1965 concerning Project [redacted] These present were:

STATINTL

STATINTL [redacted]

STATINTL Question: [redacted] to Customer

What is your interpretation of the specifications regarding film movement? Question relative to film transport mechanisms.

Answer: Customer

a) One film is to be translated while the other film is stopped or visa versa.
b) One film moving in one direction and the second film moving in the opposite direction simultaneously.
c) Both films moving in the same direction. This is not a requirement but would be desirable.

Comment on part (c) above: Customer requested a proposal for obtaining the motion stated in part (c) above. This proposal will be submitted by May 20, 1965. To obtain part (c) above will constitute a change in scope of the contract.

STATINTL

Statement: [redacted] to Customer

STATINTL When the [redacted] stereoscope is used, the fine x, y micrometer adjustments cannot be used except for a travel distance of 1 cm. In order to get the 2 cm travel, two more changes would be required:

a) A roller support from the y-y plate would be required to support the cantilever microscope support.
b) The exterior support arm would have to come off the xy micrometer stand on a diagonal.

STATINTL

STATINTL Statement concerning above statement: No solution to the problem was determined. The condition will be investigated further [redacted] Customer stated that while measurements in this mode were not an absolute must, the ability to move the microscope ± 2 cm in y is desired.

Question: [redacted] to Customer

STATINTL What are the working distances of the three stereoscopes?

Answer: Customer

I do not know but I will find out and call this information in.

STATINTL **Question:** [redacted] **to Customer**

What are the numerical apertures of the three stereoscopes?

Answer: Customer

I do not know but I will find out and call this information in.

Statement:

Customer stated that it would be desirable for the High Intensity Tracking Light Sources to be adjustable for use in the microscopes monocular mode. It is possible that this feature can be implemented very easily without a change in scope of the contract.

Question:

STATINTL [redacted] **to Customer: Is a solid bar projecting from the rear of the light table to carry the tracking light sources and connected to the microscope satisfactory?**

Answer: Customer

No.

STATINTL **Question:** [redacted] **to Customer**

Regarding the tracking light sources mounted on a turret; can this turret be turned 90° by hand when the microscopes are used in the 90° position?

Answer: Customer

Yes.

Statement:

Customer stated that the High Intensity Light Sources do not have to track the microscopes in the 90° mode.

Statement:

STATINTL **Customer stated that he would visit** [redacted] **once every 4 or 5 weeks.**

STATINTL **Question:** [redacted] **to Customer**

Can the height of Light Table #1 from the base to the viewing surface be 9-1/4" instead of the 9" specified?

Answer: Customer

Yes.

STATINTL **Question:** [redacted] **to Customer**

Can the length of Light Table #1 from center line to center line of the spool holding mechanisms increase from 32 inches as specified to 33 inches?

Answer: Customer

Yes.

STATINTL **Question:** [redacted] **to Customer**

Can the angle of inclination of Light Tables #2 and #3 be 8-1/2°?

Answer: Customer

8-1/2° will be satisfactory.

Statement:

Customer stated that elevation of Light Tables #2 and #3 can be obtained from four elevation screws with feet. They do not have to be connected or driven. The tilt can be obtained by elevating the rear screws with the front screws depressed.

STATINTL **Question:** [redacted] **to Customer**

Can the length of Light Table #3 be 62 inches?

Answer: Customer

No, this is too long. The added length will not permit the operator to easily use the stereoscope in the 90° position.

Statement:

Customer stated that redesign of Light Table #2 would be necessary. Should a small addition in length be required, this would be considered.

STATINTL **Question:** [redacted] **to Customer**

The microscope carriage rails on Table #2 cause the light source to interfere. Can we move the light source in from the edge of the table 1/2" thus adding 1/2" to the depth of Table #2?

Answer: Customer

Yes. This is permissible if absolutely required.

4. The high intensity light source most likely will be parked in the left rear corner of the light table. Screen obscuration must be held to a minimum.

STATINTL Question: [redacted] to Customer

What light type, daylight or W-31, should be used?

Answer: Customer

Use one of each if there is no cost or technical problems.

STATINTL Question: [redacted] to Customer

Can the transformers for the light sources be packaged outside the light table proper?

Answer: Customer

No separate package for transformers can be tolerated.

STATINTL Question: [redacted] to Customer

Can lifting pads be placed outside of the viewer?

Answer: Customer

I prefer that they be placed inside the table.

Statement: Customer

If non standard width spools are used, they will have standard sprocket holes.

STATINTL Question: [redacted] to Customer

Should each film transport mechanism move toward the center post on the three light tables or would it be permissible to have one film transport mechanism fixed and have the center post and alternate film transport move to accomodate different spool sizes.

Answer: Customer:

Both film transports must move toward the center post because of two operator's using the light tables.