

TID/TAB - 25/66 15 March 1966

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MEMORANDUM FOR THE RECORD

SUPJECT: AP-3 Analytical Stereo Plotter

| 7 On 0 March 2066  | attended a meeting  |
|--|---|
| 1. On 9 March 1966 with  | accended a meeting  |
| at the ASP convention. The purpose of this optical problems of the AP-3, and to clarify the delivery date of the Analytical Plotter.   | the misunderstanding on   |
| 2. It was evident at this meeting that extensive research since our visit subsystem of the AP-3. discussed system that is to be employed on the AP-3 in discussed theoretical optics. The optical three systems. The first system is the telephone a 2.5x main lens. The second system has variable ratios of 2:1 to 4:1. The thin exit pupil system. Through the use of these two-step magnification system, the instrumer ranges of 25-50x and 50-100x. The possibilitiens comes provided with the ASIIA may be as thus providing additional magnification range 20-hox, and 28-56x. | on the optics and optical ed the actual optical istead of the previously train will be made up of escopic lenses which is the zoom optics which is despeted systems and a property of the main ity exists that the main dapted to fit the AP-3, |
| 3. To incorporate a 2.5x main lens intit is necessary to lengthen the cone that he photo plate. This longer cone will cause the on mechanical kappa:   | olds the lens under the   |
|  | 3 3 3 - 3 - 4   |

- 1. 0° to 3° kappa will reduce the workable plate area from 9 x 9 inches to  $8:1/2 \times 8 \cdot 1/2$  inches.
  - 2.  $3^{\circ}$  to  $5^{\circ}$  to  $8 \frac{1}{4} \times 8 \frac{1}{4}$  inches
  - 3.  $5^{\circ} 9^{\circ}$  to  $8 \times 8$  inches

|       | ) <sub>4</sub> . [ |        |       |     |     |    |       | ₹  | to giv | re a | tentative  | delive | ry |
|-------|--------------------|--------|-------|-----|-----|----|-------|----|--------|------|------------|--------|----|
| date  | for                | the AF | -3.   |     |     |    | said  | he | felt   | the  | instrument | would  | be |
| ready | for                | pick-  | up by | the | end | of | May." |    |        |      |            |        |    |

ENOUP 1
Excluded from extensils
dewngrading and
declassification

Declass Review by NGA.

## SECRET

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| SUBJECT: AP-3 Analytical Stereo Plotter  |                |
|--|----------------|
| 5 thought the scheduling of the course for programmers should be delayed to the end of June.  6. On 10 March 1966,     | 25             |
|  | 25<br>25<br>25 |
| Here a conference was held with  on the application of   | 25<br>25       |
|  |                |
|  |                |
| Production Section Technical Analysis Branch   | 25             |
|  |                |
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