

PAR-236

Film Disposal Rewind Unit

30 November 1964

DDR-DUPE

PROJECT AUTHORIZATION REQUEST

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SUBJECT: Film Disposal Rewind Unit

TASK/PROBLEM

1. Design, fabricate and test a device for rewinding scrap film from spools onto a collapsible or removable arbor. Provide capability of handling film sizes from 70mm to 9.5 inches inclusive.

PROPOSAL

2. The intent of the subject proposal is to provide equipment to efficiently and economically remove disposable film from spools.

3. Scrap or disposable film will be wound onto an arbor which will have a retractable or collapsible feature so that it may be removed from the film for repeated use. Other proposed features of the unit are:

- a. Standard rewind power heads will be modified for this table.
- b. Capability of driving film in either direction.
- c. Accommodate all standard AF spools,  spools and the re- STAT tractable arbor.
- d. Handle film in widths from 70mm to 9.5 inches wide and in rolls up to 1,000 feet long.
- e. Speed of film to be variable from 0 - 1,000 fpm.
- f. Physical size of table to be 30 inches long, 32 inches wide and 18 inches high (without reels).
- g. Unit will not incorporate any inspection lights or splicing equipment.
- i. Motors to be heavy duty torque motors suitable for continuous use.
- j. The retractable arbor, when not in use, can be stored and replaced by standard reels.

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k. Electrical controls will consist of:

- (1) Joy-stick control for varying speed of motor.
- (2) ON and OFF switch.
- (3) Indicator light.

#### PROGRAM OBJECTIVES

4. Program objectives are:

- a. Design and fabricate unit as outlined above.
- b. Test and evaluate.
- c. Prepare and publish final report and a manual.

#### SCHEDULE

5. A tentative schedule covering major phases of effort is shown in Figure 1. The time span indicated to complete the subject program is based on actual start of work. Upon approval to proceed and/or start of work, schedule will be reviewed and necessary changes reported as required.

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