This specification applies to the process of developing the exposed resist coating applied to the faceplate of the color kinescope screen.

MAY 1955

SCHEDULE NO. 1
(Initially for the C73685 Series)

1. EQUIPMENT
   a. Soak and rinse sink
   b. Shower spray nozzle
   c. Sponge
   d. ***
   e. 3 Osborn No. 599 - 1-1/2" pure bristle brushes
   f. Exhaust hood
   g. Trimming tool - 1/8" diameter red fiber secured in pin vise. The top of the fiber sharpened to a *1/16" wide "screwdriver" shape.
   h. Trimming turn table.
   i. ***
   ** j. Rotating infrared drying racks
   ** k. Aluminized lucite faceplate cover

2. MATERIAL
   W60D Warm deionized water
   - - High pressure air
   P251 "Nonic" 218 detergent

3. PROCEDURE

   a. Wash out excess phosphor.
      1. Position faceplate vertically and wash out loose phosphor with warm 38.0±1.11°C (100°±5°F) deionized water from a shower spray nozzle.
      2. Soak faceplate for approximately *2-3 minutes in a solution containing approximately 2 ml. Nonic 218 (P251) per gallon of deionized water.
      3. Remove the faceplate from the soaking tank, position vertically, and rinse with warm 38.1±1.11°C (100°±5°F) deionized water from the shower spray nozzle.
      4. Clean and brush out any excess phosphor from flange and inside of panel.
      5. Remove excess water from flange area and outside of panel with a sponge.
      * 6. Place on infrared dryer for 5 minutes, with aluminized lucite cover on top of the glass panel.

   b. Brush out excess phosphor.
      1. Brush off excess phosphor in an exhaust hood using Osborn No. 599 - 1-1/2" pure bristle brush. Three brushes should be available, one for each color. After the faceplate has been completely brushed it should be blown clean with high pressure air. ***
      After the red *phosphor has been exposed and developed the screen edge should be trimmed. Using the trimming tool, with the *faceplate resting flange up on the turntable, remove the phosphor from the periphery of the screen so that a***band of bare glass 1/32 - 3/32 exists between the seal and the screen. The screen should then be brushed as previously explained. ***

(Cont'd on supplementary page.)

3. PROCEDURE (Cont'd)

b. Brush out excess phosphor. (Cont'd)

2. Soak the faceplate for 1 minute in soaking tank.
3. Remove faceplate from soaking tank, position vertically and rinse → with warm*38.0±1.11°C (100°±5°F) deionized water from a shower spray nozzle.
4. Remove excess water at flange area and outside of panel using a sponge.
→ * 5. Place on a infrared dryer for approximately 3 minutes with aluminized lucite cover on top of glass panel.
6. Send to inspection.

End of Schedule No. 1