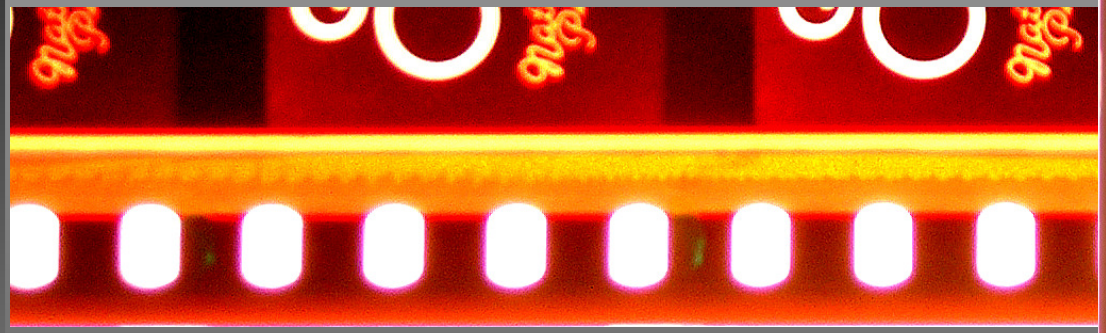

GASPARCOLOR
Brian Pritchard

Gasparcolor



Gasparcolor

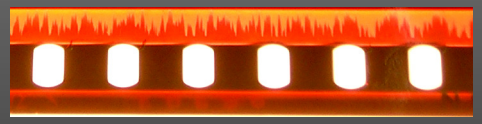
- Invented by Bela Gaspar, a Hungarian.
- It is a three colour subtractive reversal print stock
- It uses the dye bleach, also called dye destruction, process.
- It has to be exposed using separation positives

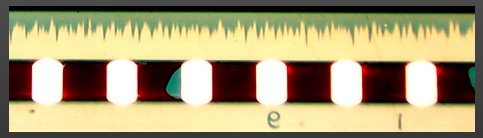
Gasparcolor

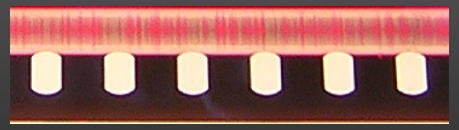
- When the film had sound, a sound negative was used to print the sound onto the top two layers giving a red sound track
- The sound track was re-developed to give a silver sound track
- Subsequently the re-development process was not used and the films had dye tracks

Gasparcolor

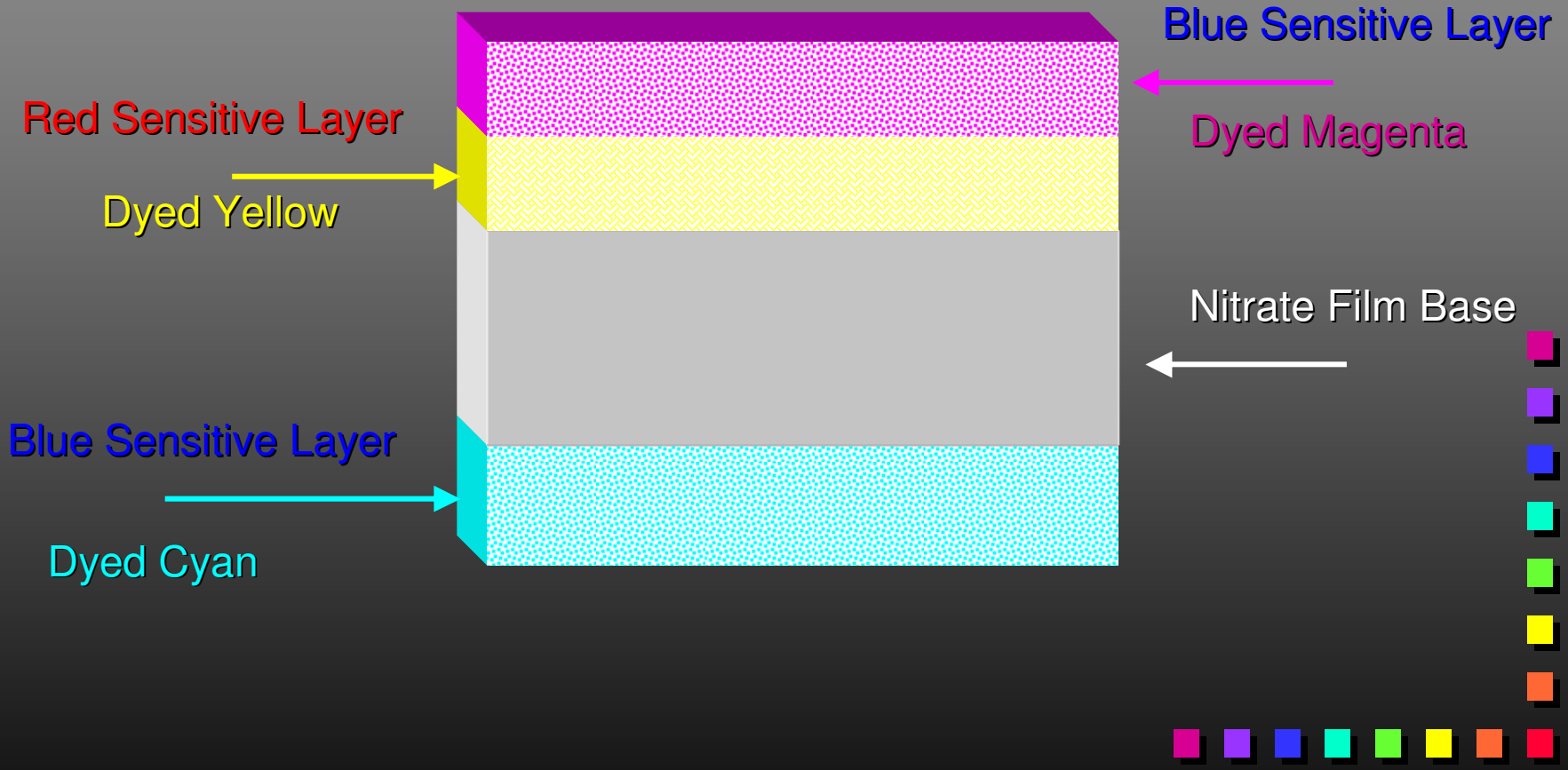
- As seen from the samples below, other colours and types of track were used.



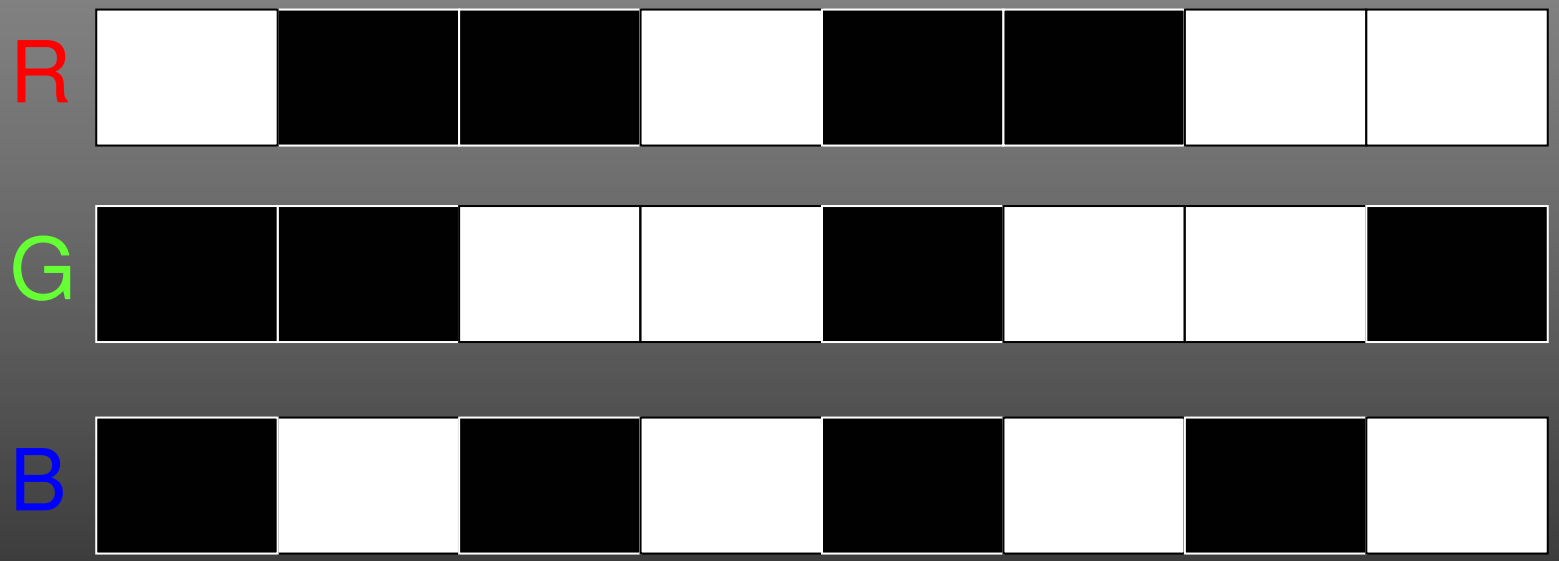




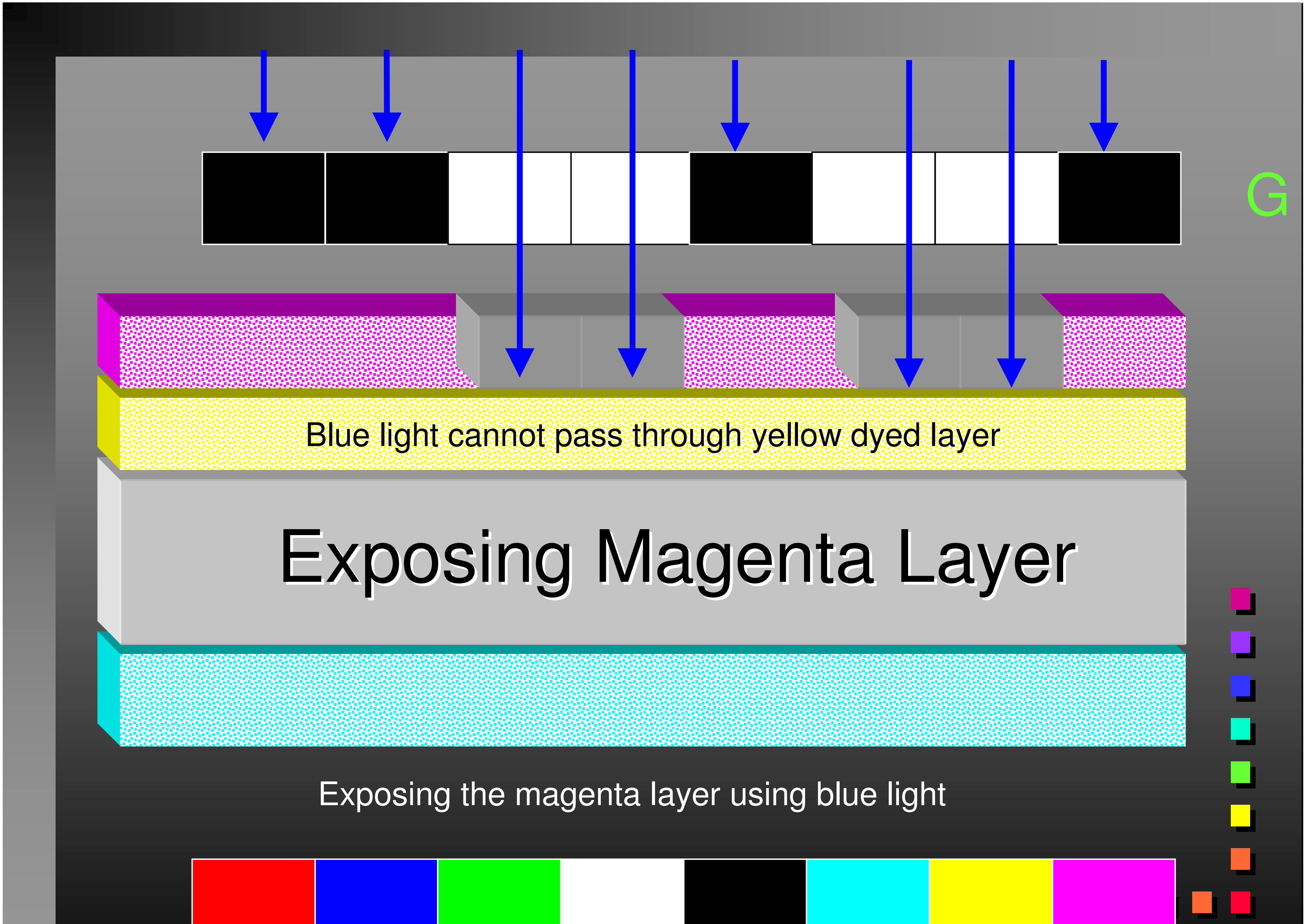
Gasparcolor

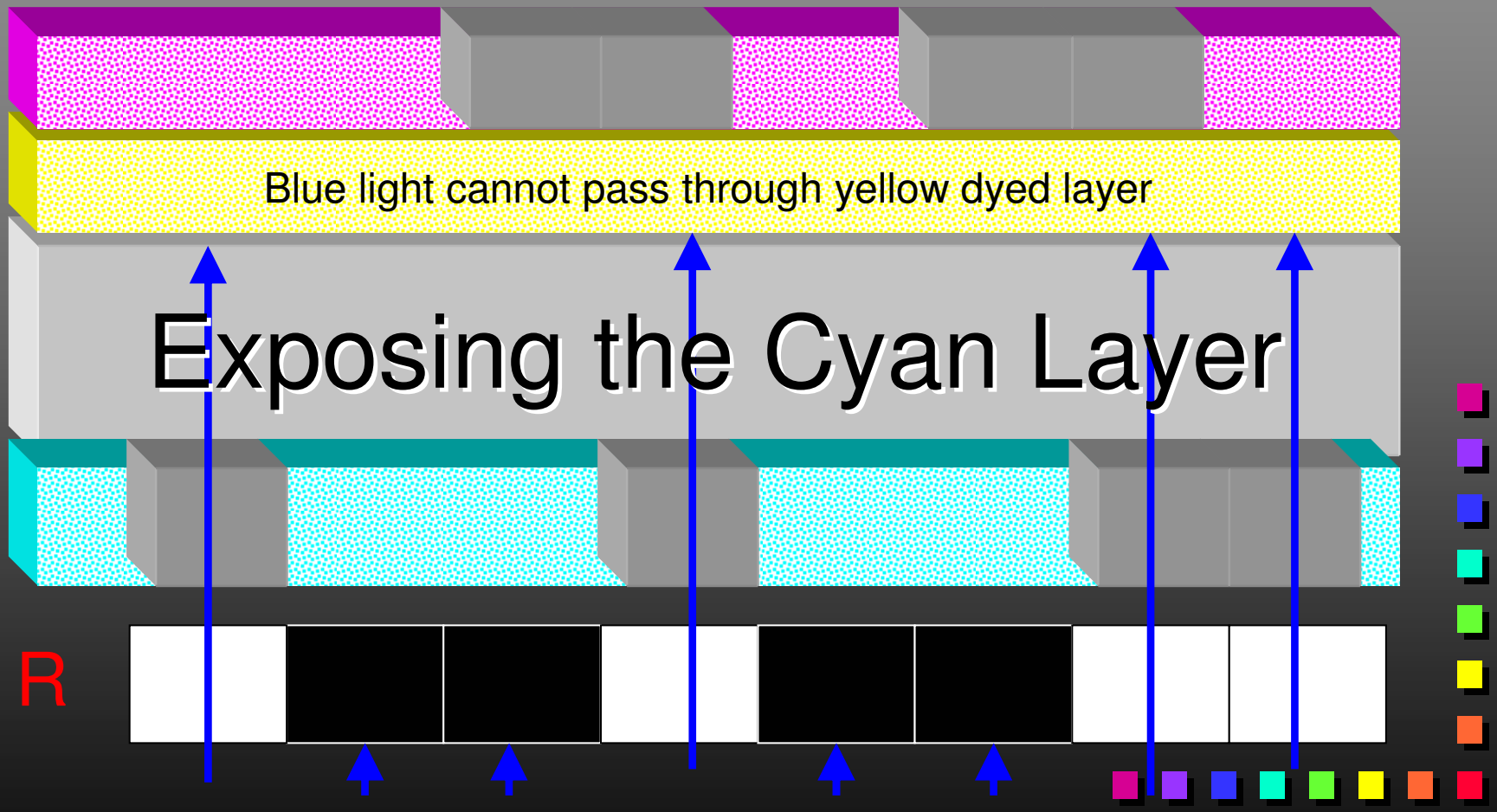


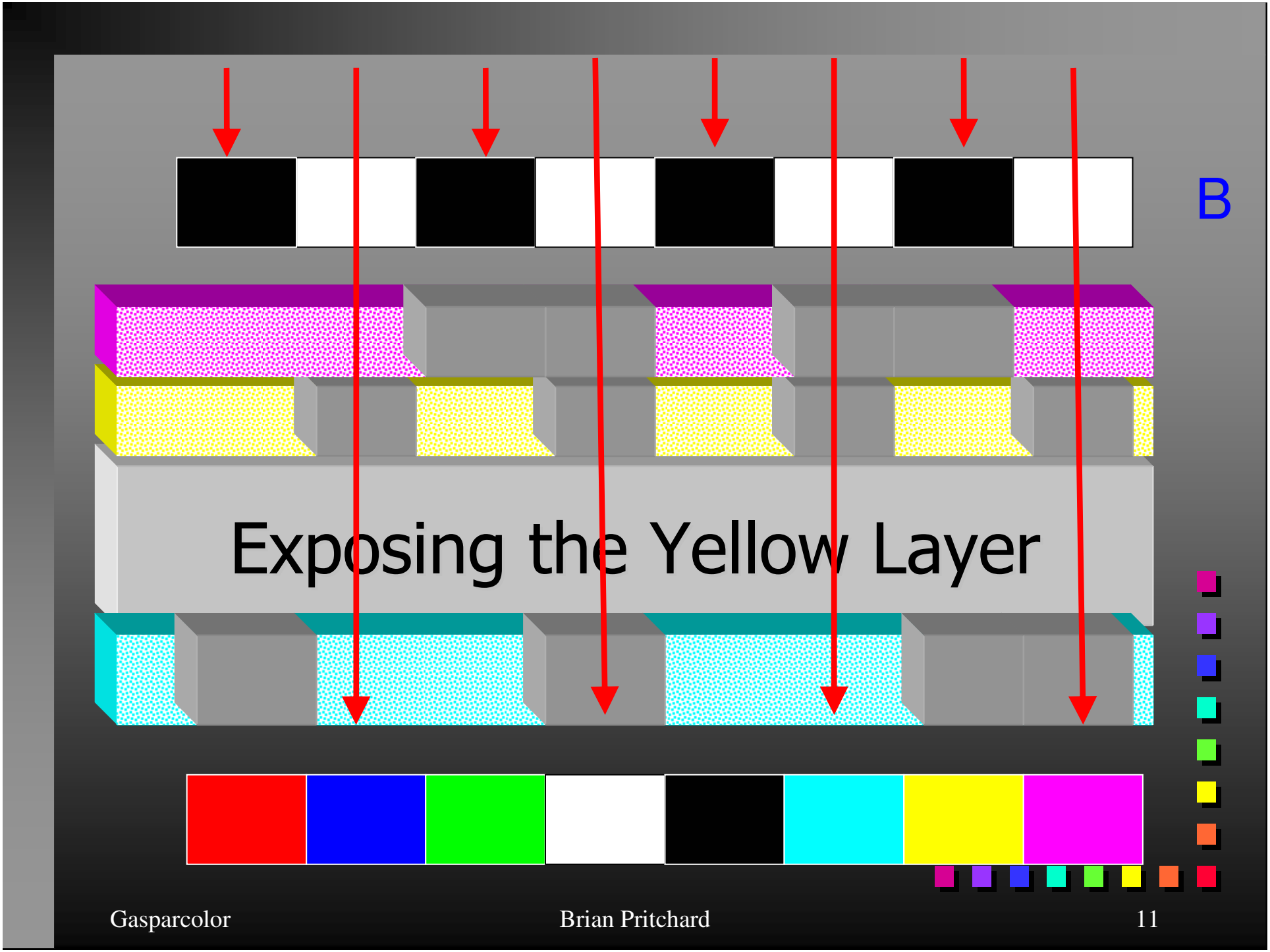
Shooting Separation Negatives

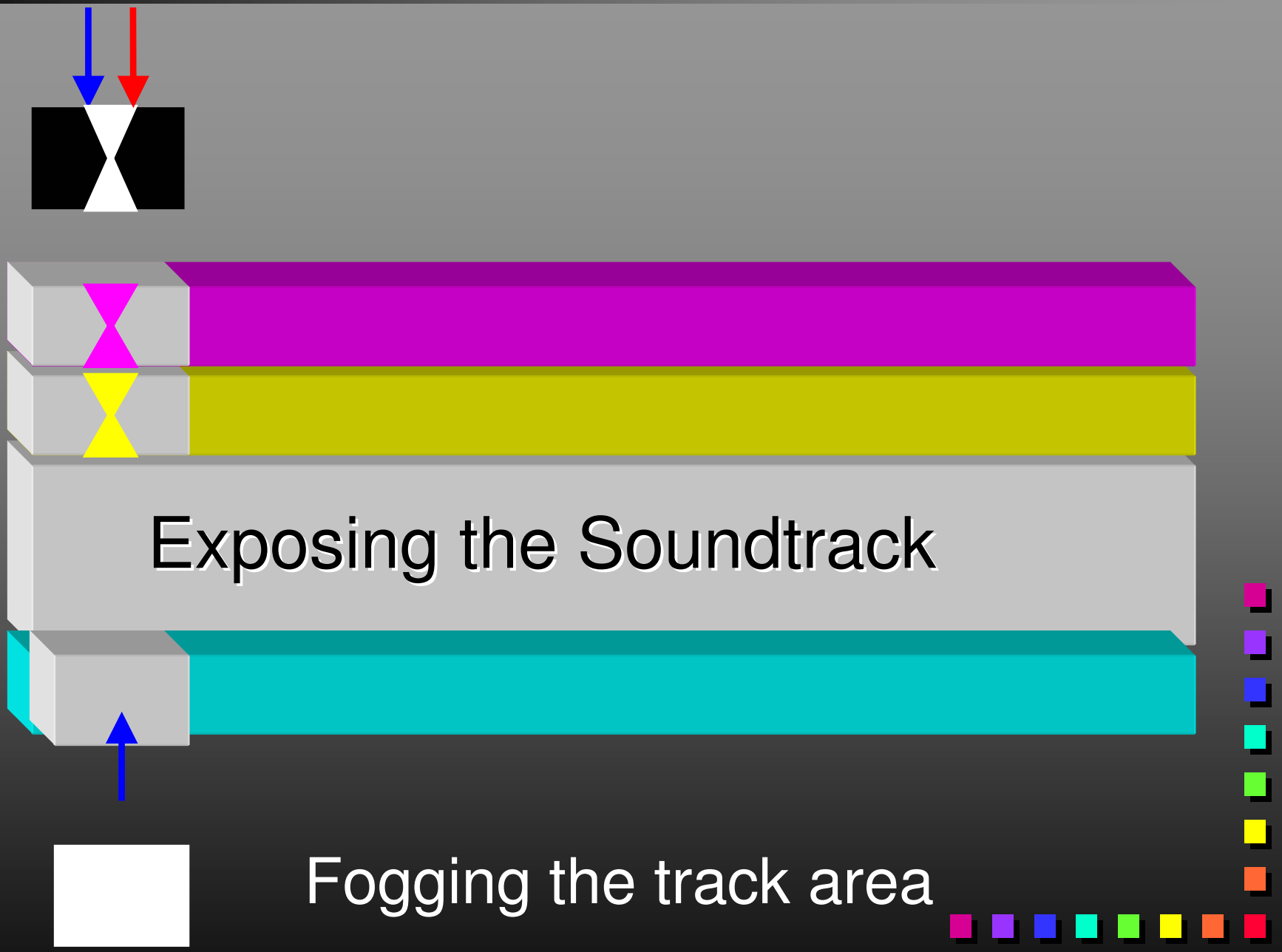


Making Separation Positives


G
Blue light cannot pass through yellow dyed layer
Exposing Magenta Layer
Exposing the magenta layer using blue light


Blue light cannot pass through yellow dyed layer
Exposing the Cyan Layer
R


B
Exposing the Yellow Layer

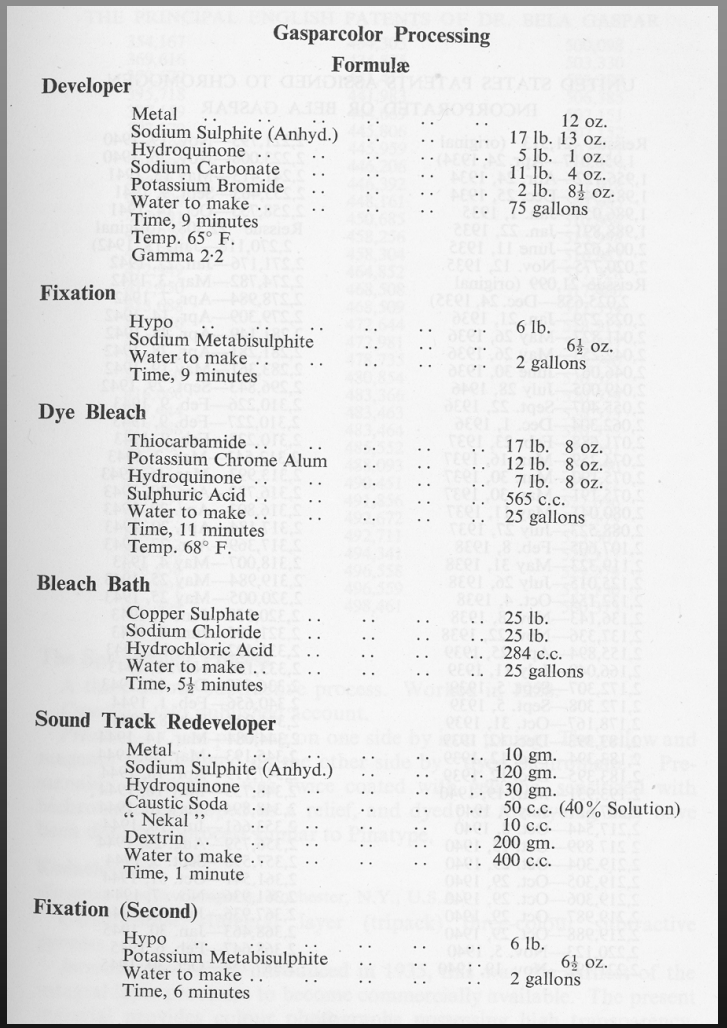

Exposing the Soundtrack
Fogging the track area

Processing Timetable

GASPARCOLOR TIME-TABLE FOR PROCESSING

Operation.	*Minutes.*	*Totals.*
Wash	2	2
Development	9	11
Wash	2	13
Fix	9	22
Dye Bleach	11	33
Wash	9	42
Bleach	5½	47½
Wash	2	49½
Sound Redeveloper	3	51½
Fix	6	57½
Wash	7	64½

Processing Formulae



Gasparcolor Processing Formulæ

Developer

Metal	12 oz.
Sodium Sulphite (Anhyd.)	17 lb. 13 oz.
Hydroquinone	5 lb. 1 oz.
Sodium Carbonate	11 lb. 4 oz.
Potassium Bromide	2 lb. 8½ oz.
Water to make	75 gallons

Time, 9 minutes
Temp. 65° F.
Gamma 2·2

Fixation

Hypo	6 lb.
Sodium Metabisulphite	6½ oz.
Water to make	2 gallons

Time, 9 minutes

Dye Bleach

Thiocarbamide	17 lb. 8 oz.
Potassium Chrome Alum	12 lb. 8 oz.
Hydroquinone	7 lb. 8 oz.
Sulphuric Acid	565 c.c.
Water to make	25 gallons

Time, 11 minutes
Temp. 68° F.

Bleach Bath

Copper Sulphate	25 lb.
Sodium Chloride	25 lb.
Hydrochloric Acid	284 c.c.
Water to make	25 gallons

Time, 5½ minutes

Sound Track Redeveloper

Metal	10 gm.
Sodium Sulphite (Anhyd.)	120 gm.
Hydroquinone	30 gm.
Caustic Soda	50 c.c. (40% Solution)
"Nekal"	10 c.c.
Dextrin	200 gm.
Water to make	400 c.c.

Time, 1 minute

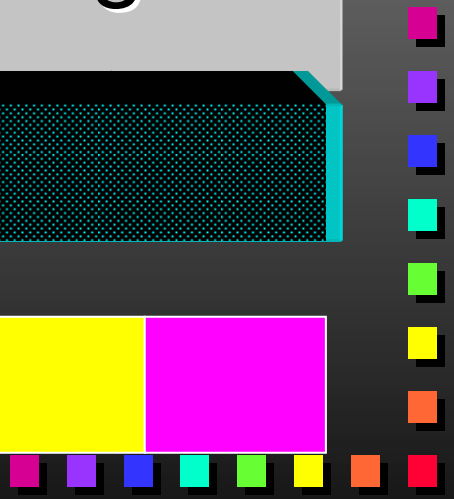
Fixation (Second)

Hypo	6 lb.
Potassium Metabisulphite	6½ oz.
Water to make	2 gallons

Time, 6 minutes

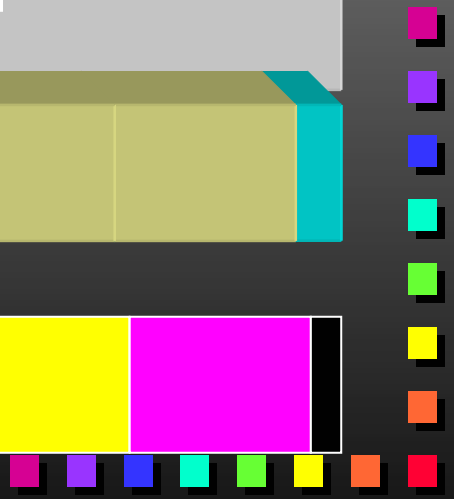
Developing the Silver Image

Fixing Film leaving Silver image



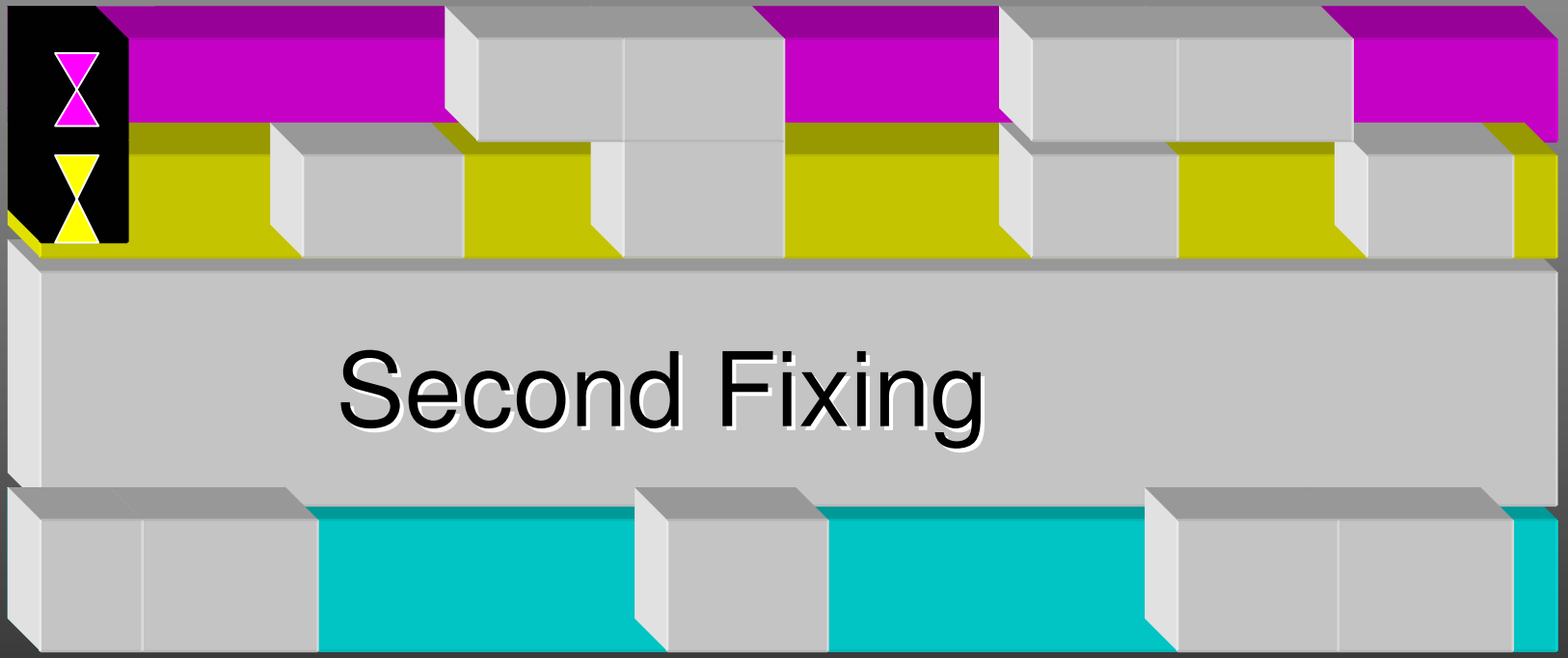

Dye Bleached leaving Silver

Bleaching the Silver




Redeveloping the track


Original Scene


Second Fixing