

Some Useful Formulas.

"RODINAL"

The N.S. Photo Supply Co., of New York, furnish us the following formulas, given by the manufacturers, Berlin, Germany.

Normal Exposures.

Rodinal	1 part.
Water	30 parts.

Over-Exposures.

Rodinal	1 part.
Water	30 parts.

Brom. potassium as needed, or old developer.

Fixing Bath.

Water	100 parts.
Sulph. soda cryst.	5 "
Sulph. acid C. P.	1 part.
then add	

Hypo. soda 20 parts.

For Lantern Slides, Ellerslie Wallace.

Rodinal	1 part.
Water	30 parts.

To 4 oz. of above, add 10 drops of stock solution.

Under-Exposures.

Rodinal	1 part.
Water	40 parts.

For Strong Negatives.

Rodinal	1 part.
Water	20 parts.
Brom. Potass. as needed.	

For Over-Exposures.

Rodinal	2 drams.
Water	4 oz.

For Normal Exposures.

Rodinal	2 drams.
Water	6 oz.

For Extremely Over-Exposed Plates.

Rodinal	2 drams.
Water	2 oz.

Bromide solution. A few drops of a 20 dram solution bromide potassium.

Formulas, by W. S. Davis, for Instantaneous Exposures.

Rodinal	2 drams.
Water	8 oz.

Carb. potash, 50 grain solution, 2 to 5 drops. This will develop a plate, so far overtimed, that it would be worthless with any other developer now known.

We publish the following suggestions received from the New York Aristotype Co., in reference to the handling of their paper :

Prints must be thoroughly washed before toning.

Toning bath should be kept as nearly neutral as possible.

Too many prints should not be toned at one time; it is apt to produce uneven toning.

Prints should be washed in one change of water before putting in the fixing bath.

Always use alum in the fixing bath; it hardens the films and makes prints easier to mount.

If paper has a tendency to give brownish whites, this may be remedied by the addition of one ounce of acid sulphite of soda to the fixing bath.

Prints must be thoroughly dry before burnishing, in fact they should be dried over night. If prints are wet when burnished, they will have a mottled looking appearance.

Burnisher should not be too hot, there is such a thing as scorching prints.

Toning Bath.

Water	8 oz.
Solution "A" (15 grs. gold to 8 oz. water)	1 oz.
Solution "B" (1 oz. bicarbonate soda to 8 oz. water)	1 dram.

Fixing Bath.

Water	20 oz.
Hypo	1 oz.
Common alum	½ oz.
Prints will fix in about 15 minutes.	

To Remove Yellow Stains from Bromide Prints.

Soak for one or two hours in acetic acid	2 oz.
Saturate oxalate of potassium solution	4 oz.

To Remove Yellow Stains from Pyro-developed Negatives.

Bathe them in sulphurous acid water or in a ten per cent. solution of sulphite of soda, to which a few drops of sulphuric acid have been added.

To Precipitate Gold from Sulpho-Cyanide Toning Baths.

Add sulphuric acid and heat, when the gold will separate.