[Experiments on some Precipitates of Metals & Semi Metals by M. de Beunie] Dr. William James Almon

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Type
Miscellaneous

Ingredients
iron
vitriolic acid
marine acid
caustic alkali
infusion of galls
liver of sulphur
fixed alkali
Prussian alkali
arsenic
vinegar
vitriolic acid
nitrous acid
aqua regia
diluted nitrous acid
salt

Places
Halifax
Nova Scotia

London
England

Source: Manuscript Notebook of Dr. William James Almon
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Description

A table of metals to make colors that might prove useful in manufacturing and art, p. 274. A longer version of the same title was appeared in The Monthly Review; or, Literary Journal, Vol. 81 (1789), pp. 666-65. Original source unknown.

Transcription

Experiments on
some Precipitates of
Metals & semi Metals
By M. de Beunie

This Academician's design was to inquire whether by the solution and subsequent precipitation of metals, he could not discover such colors as might be highly useful in arts and manufactures -- those which appear to afford the most durable colours are exhibited in the following table.

	Solvent	Precipitant	Colour
Iron			
	Vitriolic acid		
	Caustic alkali		
	Infusion of Galls		
	Bright Yellow		
	Black		
	Marine acid		
	Liver of Sulphur		
	Caustic Alkali		
	Fixed Alcali		

Infusion of Galls

Reddish Brown

Reddish Yellow

Chesnut

Black

Vinegar

Infusion of Galls

Black

Copper

Vitriolic Acid

Liver of Sulphur

Infusion of Galls

Black

Chesnut

Nitrous Acid

Prussian Alcali

Liver of Sulphur

Arsenical liver of Sulphur

Caustic Alkali

Infusion of Galls

Green

Dark Brown

Dark Olive

Green

Green

Marine Acid

Caustic Alkali

Infusion of Galls

Green

Green

Vinegar

Arsenical Liver of Sulphur

Infusion of Galls

Brown

Dark Yellow

Tin

Vitriolic Acid

Prussian Alcali

Infusion of Galls

Blue

Grey

Smoking Spt of Salt

Liver of Sulphur

Arsenical liver of Sulph.

Fixed alcali

Infusion of Galls

Yellow

Yellow

White

Yellow

Lead

Aqua Regia

Arsenical liver of Sulph.

Straw or Yell

Diluted Nitrous Acid

Arsenical Liver of Sulph.

Orange

Experiments on some Precipitates of Metals & Semi Metals by M. de Beunie recipe from Early Modern Maritime Recipes: https://emmr.lib.unb.ca/recipes/245