

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

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Publication Format

Manuscript

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	Bright Yellow
		Infusion of Galls	Black
Marine acid		Liver of Sulphur	Reddish Brown
		Caustic Alkali	Reddish Yellow
		Fixed Alkali	Chesnut
		Infusion of Galls	Black
Vinegar		Infusion of Galls	Black

Copper	Vitriolic Acid	Liver of Sulphur	Black
		Infusion of Galls	Chesnut
Nitrous Acid		Prussian Alkali	Green
		Liver of Sulphur	Dark Brown
		Arsenical liver of Sulphur	Dark Olive
		Caustic Alkali	Green
Marine Acid		Infusion of Galls	Green
		Caustic Alkali	Green
		Infusion of Galls	Green
Vinegar		Arsenical Liver of Sulphur	Brown
		Infusion of Galls	Dark Yellow
Tin	Vitriolic Acid	Prussian Alkali	Blue
		Infusion of Galls	Grey
Smoking Spt of Salt		Liver of Sulphur	Yellow
		Arsenical liver of Sulph.	Yellow
		Fixed alcali	White
		Infusion of Galls	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>