

Contents

ACKNOWLEDGMENTS

pp ix

Introduction

pp 1-3

Chapter 1 *Safety with Chemicals*

pp 5-9

Taking Basic Precautions
Ventilating Your Workspace
Disposing of Materials

Chapter 2 *A Guide to Materials and Techniques*

pp 11-33

Stock up Your Darkroom
Materials Needed
Light Sources
Paper
Learning the Basic Techniques
Preparing and Cleaning Glass
Sizing Formulas
Sizing Techniques
Sensitizing Techniques
Drying Techniques
Protecting Your Images when
You are Finished

Chapter 3 *The Digital Negative Process*

pp 35-47

A Short History
The Process
Reasons for Doing Different
Types of Negatives
Getting Started
Materials Needed
Instructions
Troubleshooting:
Curves
Making Separation Negatives
for Gum Printing

Chapter 4 *Fugitive and Not-So-Fugitive Printing*

pp 49-59

Some History
Anthotypes
Photosynthesis
Lumen Prints
Cool and Different

Chapter 5 *Cyanotypes*

pp 61-72

A Short History
The Process
Materials Needed
Mixing the Chemicals
to Make the Stock Solutions
Traditional Cyanotype
Another Way to Mix and Why
Mike Ware's "New Cyanotype"

Getting the Support Ready
to Sensitize
Mixing the Stock Solutions
to make the Sensitizer
Coating Your Paper
Soaking the Paper
During the Exposure
How to Tell a Proper Exposure
Developing/Washing
Drying the Print
Changing the Color from Blue to ...
Troubleshooting and Tips

Chapter 6 *Salt and Albumen Prints*

pp 79–95

Photographic Printing Before 1850
Differences in Dilutions
Organic Sizing
Materials Needed
Water Color Paper Choices
Plain Salted Paper
Are You a Vegan But Still Want
to do These Processes?
Sensitizing Your Paper
Glossy Albumen
Matte Albumen
Silver Solution
Darkroom Set-Up
Toning
Troubleshooting
What to do with Those Left-Over
Egg Yolks: Feed Them to
Your Pets or ...
Make Something Yummy

Chapter 7 *Van Dyke Brown, Kallitype and Argyrotype Prints*

pp 97–129

A Short History
Creating Van Dyke Brown Prints
Creating Kallitypes
Argyrotype Process
Troubleshooting

Chapter 8 *Platinum and Palladium Prints*

pp 131–47

A Short History
Creating Platinum
and Palladium Prints

Chapter 9 *Wet Plate Collodion*

pp 149–79

A Short History
The Process
Equipment
Mixing Chemistry
Steps to Prepare Your Plates
Set Up Your Camera
and Your Darkroom
Pouring Collodion
Sensitizing the Plate
Exposing the Plate
Developing the Plate
Fix
Washing
Drying the Plate
Varnishing the Plate
Helpful Notes and Troubleshooting
More Important Information
Color Control
Exposing a Positive Image
with an Enlarger
Negatives vs. Positives
Fun Things To Do

Chapter 12 Transfers, Multiple Printing and Other Techniques

pp 225-243

Wax Paper Transfers
Solvent Transfers
Other Ideas for Printing
And Still More Ideas: Multiple Printing

Chapter 13 Ceramics and Photography

pp 245-261

Pyrofoto
Laser Transfer Decals
Gum Bichromate Printing
Dichromate Egg Mixture, as per Kit Anderson
Cyanotype
Silkscreen
Photo Transfer

CONVERSION TABLES, p 262
SOURCES AND WEBSITES, p 263
BIBLIOGRAPHY, pp 268-269
LIST OF ARTISTS, pp 270-271
INDEX, pp 272-278

Chapter 10 Liquid Emulsion Prints

pp 181-203

Materials Needed

Preparing Your Base Support

Coating Your Base Support

Drying Your Base Support

Exposing Your Base Support

Increasing the Contrast of your Image

Developing Your Print

Finishing Your Surface

Troubleshooting

Gelatin Dry Plate Tintypes

pp 205-223

Chapter 11 Gum Printing

A Short History

The Process

Things to Think About Before You Start

Materials Needed

The Negatives

Paper

Sizing

Brushes

Pigments

The Solutions

Directions

Multiple Printing

Clearing

Contrast Control

Tips and Troubleshooting