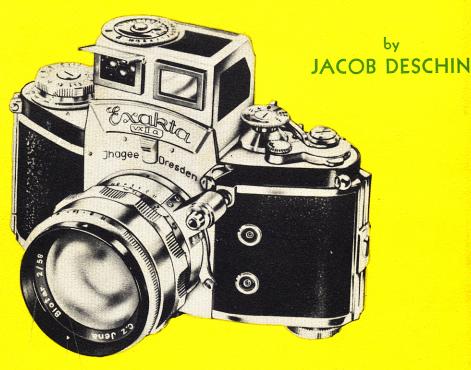
## EXAKTA PHOTOGRAPHY



SPECIAL SECTIONS:

Nature Photography by Lynwood M. Chace

Medical Photography by Julius Weber



## **Contents**

Preface	······	8
Chapter O	One	10
	x $W$ $ay$ $-T$ $wo$ $V$ $ersions$ $conventional$ $reflex$ $hood$ and the $P$ $entaprism$ .	
Chapter T	`wo	14
The Two	Cameras—An Introduction	
The p Exakt	parts of the Exakta and the Exa described and illustrated in detail; earlier a models; "dry run" for the Exakta and the Exa.	
Chapter T	'hree	28
The Basic	Lenses	
lens sp	andard lenses for the Exakta and Exa; explanation of terms focal length, eed, lens openings; the automatic diaphragm in the Biotar, Xenon, Steind Primotar; the bayonet mount; care of lenses.	
Chapter F	our	35
Working t	he Shutters	-
it wor	volume the key to exposure; the Exakta IIa focal-plane shutter and how ks; operating the transport lever; the fast-speed knob; double exposures be Exakta; the slow-speed knob; the delayed-action release; the Exa drumutter.	
Chapter F	ive	44
Loading th	e Cameras, the Film They Take, the Filter Controls	
Loadin film's i film ch factor;	g sequences for the Exakta and the Exa; the choice of film; quality of response; film speed ratings; film list; film packaging; bulk loading; aracteristics; filters change film response; how a filter works; the filter filter variety; filter do's and don'ts; the polarizing screen; filter mounts; st and uses.	

Chapter Six	64
Reflex Viewing and Focusing	
The reflex hood components; the IIa Light-Meter Viewfinder; the prism finder, the distance scales; focusing the ground glass image; the field of sharp focus; depth-of-field tables; the point of focus; the depth-of-field scales; zone focusing, pre-focusing; illustrated methods of holding the cameras; steadying the camera.	
Chapter Seven	81
Exposure Variables	
The speed of the film; the amount of light illuminating the subject; the amount of light reflected from the subject; the distance of the light source from the subject; viewpoint of the camera relative to the direction of the light; light contrast and quality; reflections from surrounding objects or surfaces; movement of subject; panning and the focal-plane shutter; measuring exposure; how to use the exposure meter; astronomical sky spectacles; shooting moon with Exakta on telescope; exposure data for moon and sun.	
Chapter Eight	95
Lenses for the Exakta	))
Factors affecting choice; angle of field coverage; preset and automatic diaphragms; range of apertures; the "normal" lens; more area with the wide-angle; the telephoto is more selective; shallow depth of the telephoto; telephoto steadiness; picking the first extra lenses; camera distance is key to perspective; control through perspective.	
Chapter Nine	116
The Camera Moves Closer	
Two classes of close-ups; supplementary lenses; extension tubes; bellows extension; the close-up factors; exposure for close-ups; close-up meter readings; table of special-use films; films for close-ups; focusing; special focusing glasses; the Magnear lens-viewfinder; the microscope adapters; copying techniques; lighting, filtering; Vielzweck close-up stand and accessories.	
Chapter Ten	131
Photography in Color	
New films and processing; lighting and exposure; balancing light quality; viewing color slides; processing color film at home; color prints from slides; black-and-white prints from color slides; color film and filter table.	
Chapter Eleven	138
Light Sources: Flash, Electronic, Flood	
Exakta and Exa flash synchronization; focal-plane flash lamps; flash exposure; electronic flash; Exakta Electronic Flash Unit; flash techniques; bounce light; sun-flash synchronization; flood and spot lights; data table of flash lamps; Steinheil Flash Calculator.	

Chapter Twelve
Nature Photography With the Exakta, by Lynwood M. Chace
Photographing the blossoming bud of the black-eyed Susan; photographing the life cycle of the black swallow-tail butterfly; the mirror reflector; techniques for turtles; the turtle lays an egg; underwater at the aquarium; tripods and a blind; the medium telephoto is best; the photographer up a tree; Exakta and microscope.
Chapter Thirteen 163
Medical Photography With the Exakta, by Julius Weber
How photography helps the doctor; photography of patients; advantages of a small camera; use of electronic flash; the background for the clinical photograph; the legal release form; photographing the gross specimen; arrangement of unit specimen; the background for the gross specimen; preparation of the microscopical specimen; photomicroraphy; the choice of illuminant; features of a good lamp; aligning the apparatus and taking the photomicrograph; timing the exposure; photomacrography; illumination of the specimen in low magnification photomacrography; the contrast of the photomacrograph; cavity illumination in endoscopic photography; exposure evaluation and timing.
Index