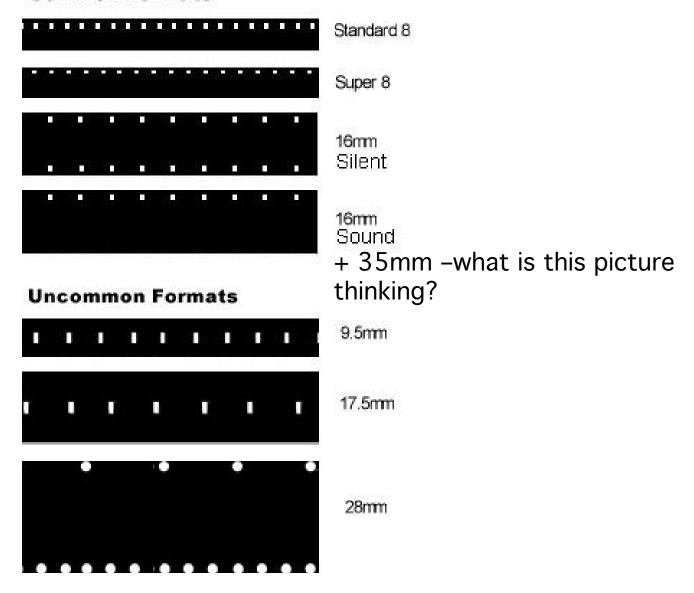
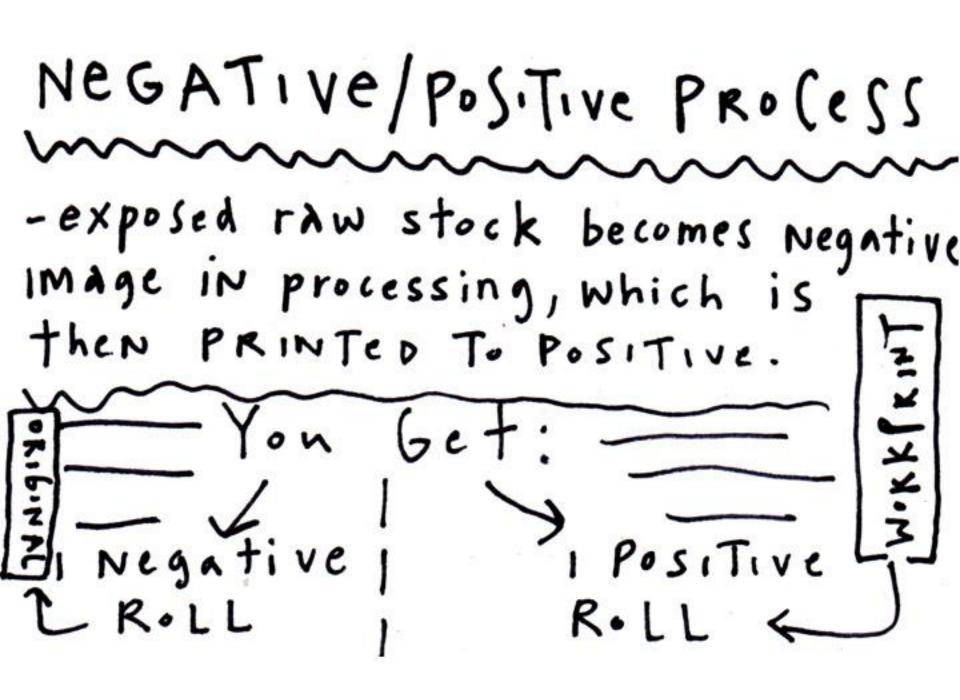
Common Formats



Kolekties of the film Stock:
emulsion- light-sensitive
silver halide crystals sus-
ended in gelatin
BASC
acetate or polyester
INTI-HALATIUN
BACKING
LIGHT RAYS (sometimes btwn Base

THE MAGIC OF FILM! exposore to Light forms LATENT IMAge in the emulsion -> image becomes visible when film goes through Developer (chemical solution that converts exposed silver halide crystals into metallic silver (PAQUE) FILM Then Goes THROUGH FIXER, which removes crystals NoT exposeD To LIGHT. -> ARCAS MOST EXPOSED = MOST OPAQUE, AKEAS LCAST EXPOSED= MOST TRANSPARENT.



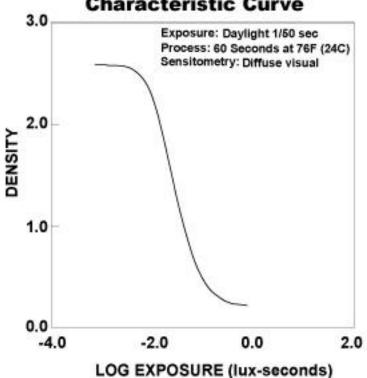
Re Versal Pro (ess Extra processing steps (bleach, re-exposure, second developer) result in a positive image You Get: 1 ORIGINAL, POSITIVE - FROM

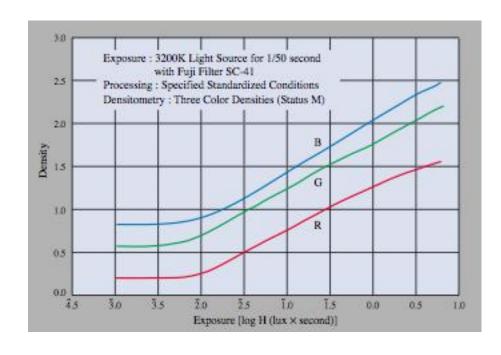
which you can make internegative/new oxiginal

The Characteristic Curve: (for VARYING EMULSIONS) - 2 graph that shows the relation between the amount of light that exposes the film and the corresponding density built up In the film. Exposure is bracketed, and densities are recorded.

COLOR NEGATIVE (FUJI 8652)







GAMME a medsuke of the steepness of the straight-line section of the characteristic curve.

FILM SPEED/EXPOSURE INDEX

-THE FASTER THE STOCK (I.e. the higher)
THE LESS LIGHT IT NEEDS TO PRODUCE
AN ACCEPTABLE IMAGE.

**	1.0.
500 ASA	50 ASA

50 $\sim\sim\sim$ INTERNATIONAL AMERICAN STANDARDS STANDARDS ASSOCIATION ORGANIZATION SLOW= 50> FAST = 200 < (7500) Medium =

DOUBLING ASA MEANS THE FILM IS Twice AS SENSITIVE TO LIGHT

ASA 100 Needs half of the exposure (1 stop less) than

DAYLIGHT VS. TUNGSTEN 5500 when using tungsten in DAYLIGHT, use When using daylight in tungsten, use an 80 A filter. AN 85 FILTER (RANge)

Some R

ADDITIVE = R + G + B = white!
PRIMARIES

SUBTRACTIVE C- B+G=W-R









FILTERS!!!!!! COLOR CONVERSION- TONGSTEN/DAYLIGHT; ALSO FOR CFFECTS.

NEUTRAL DENSITY - REDUCE LIGHT PENETRATING

(ND)

- LENS . I ND = 1/3 STOP

- 3 ND = 1 STOP

POLARIZING - REDUCE GLARE

*MOST FILTERS WILL CALL FOR AN EXP-OSURE ADJUSTMENT.

LeNS Me à Hand - Keep it clean, People - Avoid SCRATCHES, DUST, LIQUIDS,

FINGERPRINTS, etc.

- CLEAN DUST W/ BLOW BRUSH OR

CANNED AIR (W/ Lens POINTING DOWN)

- CLENN FINDERPRINTS BY DUSTING T THEN WI LENS TISSUE + SOLUTION

FOCAL LeNGTH

-Measures power of Lens to bend Light RAYS COMING FROM THE SUBJECT.

THE SHORTER THE FOCAL LENGTH, THE

greater the Bending power + The

closer the Plane is

To the Reak of the Lens

- SHORTER THE FOCAL LENGTH, THE WIDER

THE CONSTRUCTORY

THE LENS

ZOOM PRIME L e N Ses LeNses FIXED FOCAL RAN Ge Length - must of FocAL More closer LCNGTHS to get closer

Perspective DISTORTION - extremely WIDE lenses sometimes create fish eye effect DEPTHOF FIELD- THE ABILITY TO CREATE LARge PIFFERENCES IN FOCUS Between FOREGROUND AND BACKGROUND (FUN trick = focus Pull) - Lenses generally Have Best Depth ex: OF FIELD WITH A HIGHER F-STOP #(111/3) AS IT'S LETTING LESS LIGHT IN THE CAMERA.

EXPOSURe

THE AMONNT OF LIGHT PENETRATING THE FILM RELATED To How open or closed THE CAMERAIS APERTURE 15 -CONTROLLED BY F-STOP (higher the fstop# (16), the less light)

THE F-STOPS HERE: F-STOP = THE RATIO both the focal Length of THE LENS + ITS DIAMeter (APERTURE)

FAST LENSESALLOW FOR MORE LIBHT THAN SLOW LENSIS.

STANDARD F-STOP #5

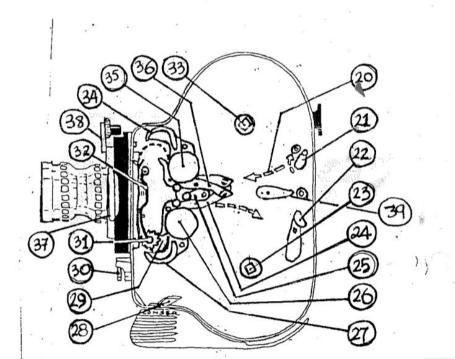
-1.4 - 2 - 2.8 - 4 - 5.6 - 8 - 11 - 16 - 22 - 32Valistance between two numbers equals 1 stop -each stop lets in twice as much light as the opeN - 112 ROS OF STOPS COME Less Light IN HANDY ...

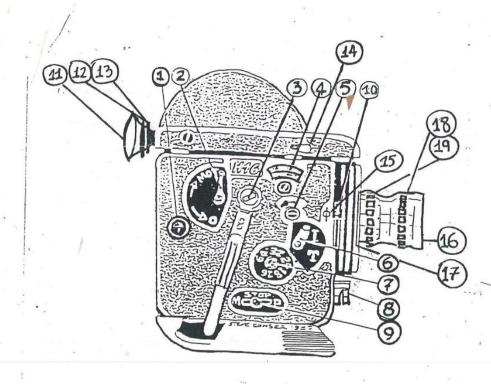


THE FILM CAMERA filter SLOT

Interior View

Bolex 16mm Camera: EXTERIOR VIEW





FILM GATE , APERTURE PLATE-rectangle cut out of plate through which light shines to expose Your Film-PRESSURE PLATE - HOLDS FILM FLAT DUKING EXPOSURE. CLAW - ADVANCES THE FILM VIA

SHUTTER- opens + closes
as each frame
passes

SHUTTER OPENING-# of Degrees open

NARROWS SHUTTER ANGLE TO CHANGE SUTTER SPEED - REDUCES EXPOSURE time (COULD DO THIS INSTEAD OF NDS in high-light)

SPEED AND Exposure SHUTTER exposuke INFPS B. Lex= 1950 = 1/60 3 29 fps

50 $\sim\sim\sim$ INTERNATIONAL AMERICAN STANDARDS STANDARDS ASSOCIATION ORGANIZATION SLOW= 50> FAST = 200 < (7500) Medium =

To LOAD CAMERA

- 1. clean camera body + gate 2. check pressure plate
- 3. engage Loop Formers
- 9. Send feed Roll through rollek
 5. engage motor; attach film to take-up,
 disengage Loop FORMERS, RON CAMERA, close + Lock.

WHEN FOCUSING THE BOLEX.

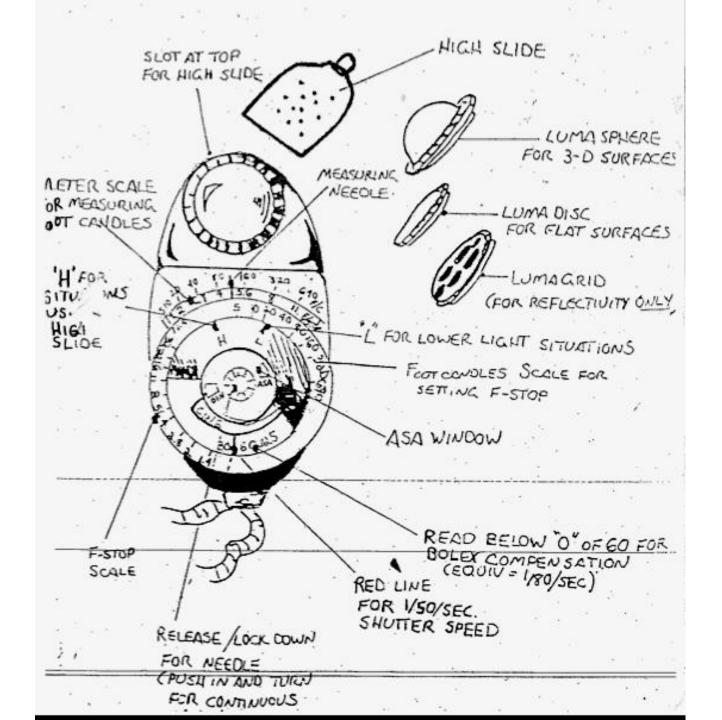
- 1. Focus THE TURRET (eyepiece) to Your eye (remove lens, look through viewfinder, focus ground glass).
- 2. Fo (us The Lens To Your Preference BY opening The Lens All The WAY UP, TURNING THE FOCUS RING, AND THEN STOPPING DOWN TO DESIRED EXPOSUR

WHEN FOCUSING W/A ZOOM LENS -FOCUS THE TORRET -OPEN THE LENS ALL THE WAY UP

- ZooM ALL THE WAY IN
- FOLVS W/ RING
- STOP DOWN TO DESIRED EXPOSIRE
- Zoom To Desired FRAMING

READING THE LIGHT METER

- 1. SET ASA
- 2. ZERO COUNTER AND THEN TAKE YOUR READING
- (3.1F IT IS TOO BRIGHT, ADD HIGH SLIDE)
- 4. 10 ENTIFY FOOTCAMBLES IN UPPER SCALE
- 5. LINE UP BLACK/RED LIFUSING HIGH SLIDE) ARROW W/ FOOTLANDLE #
 - 6. Look below AND READ THE F-STOP, AT THE ZERO OF THE GO (FOR ZAPPS)



INCIDENT AMOUNT OF LIGHT FALLING ON THE SUBJECT -HALF-SPHERE MeTeR

ATTACHMENT

Reflected

MOUNT OF LIGHT

Reflected BY

THE SUBJECT

HONEYCOMB METER ATTACHMENT

FOR SCENES WITH A GREAT RANGE OF LIGHT SOURCES/RUAS/ READINGS, TAKE AN AveRAGe of YOUR READINGS

BACKLIGHT

exposing for Subject= dark background Take

- expose
for the background =
silhovette

Aveka Ge!!!

F (feet+frames; focus)

A Perture 6

SPEED+
No Red TRIANGLE

TACHOMeter (24 fps - STRAIght)