



PHOTOGRAPHY FOR THE
NON-PHOTOGRAPHER

Happy World Photography
Day to someone who
still owns a camera
not attached to
their phone.



som_{ee}cards









DURING BROADCAST JOURNALISM, senior Sib Shewit records senior Ricardo Tucker for a segment of "TJ ON." Broadcast was a new journalism program run entirely by two students. "TJ ON" is a collection of short segments to see what TJ's general opinion is about events and ideas happening around the school. The hardest part about having two people in the program is that it sometimes means we have to make an entire news segment by ourselves," Tucker said. Photo by E. Harris



PERFORMING HER CHOREOGRAPHER DUTIES, sophomore Ananya Suri teaches I-Nite participants the opening sequence of the Bollywood act. I-Nite was on Feb. 28th, but Namaste started practices in November. "We are starting now because there are so many people and it can get really chaotic. It's important everyone is on point since I-Nite is a big deal for Namaste," Suri said. Photo by W. Ryu

ALWAYS ON.

6 A.M. lacrosse tryouts. Thirty minutes between tryouts and physics. Time to cram. Time to nap? **Definitely time to cram.**

Seven years, over 50 students. One satellite. It all ends with the launch. No, it doesn't. Three months of careful watching of the satellite in orbit are still to come. The research is **never over.**

ACL injury. Resting isn't now. Now is recovering. **Training.** Better in time for the next season of tryouts. On the court, making every free throw. What injury?

Five I-Nite acts. Salsa

dancing to Bhangra to Urban Dance. Week of: 15 total practices. Ready to perform. **No break** after the first act. Changing into the next costume. Time to perform. Again and again.

AP Chemistry isn't enough. Add on two more science courses. What's the harm? **Bunsen burners, wave tanks, pipettes.** One tool to another. One class to another.

Not enough hours in the day. Another college application deadline, another WebAssign, another quarter exam. Something's always waiting. **We're on it.**

[SYSTEM START]

Photo by M. Phillips



34 AP exams offered by the College Board

100 Wood quarter exam questions

13 Ergs

170

SAT questions

290 Common App questions

132 National Merit semifinalists

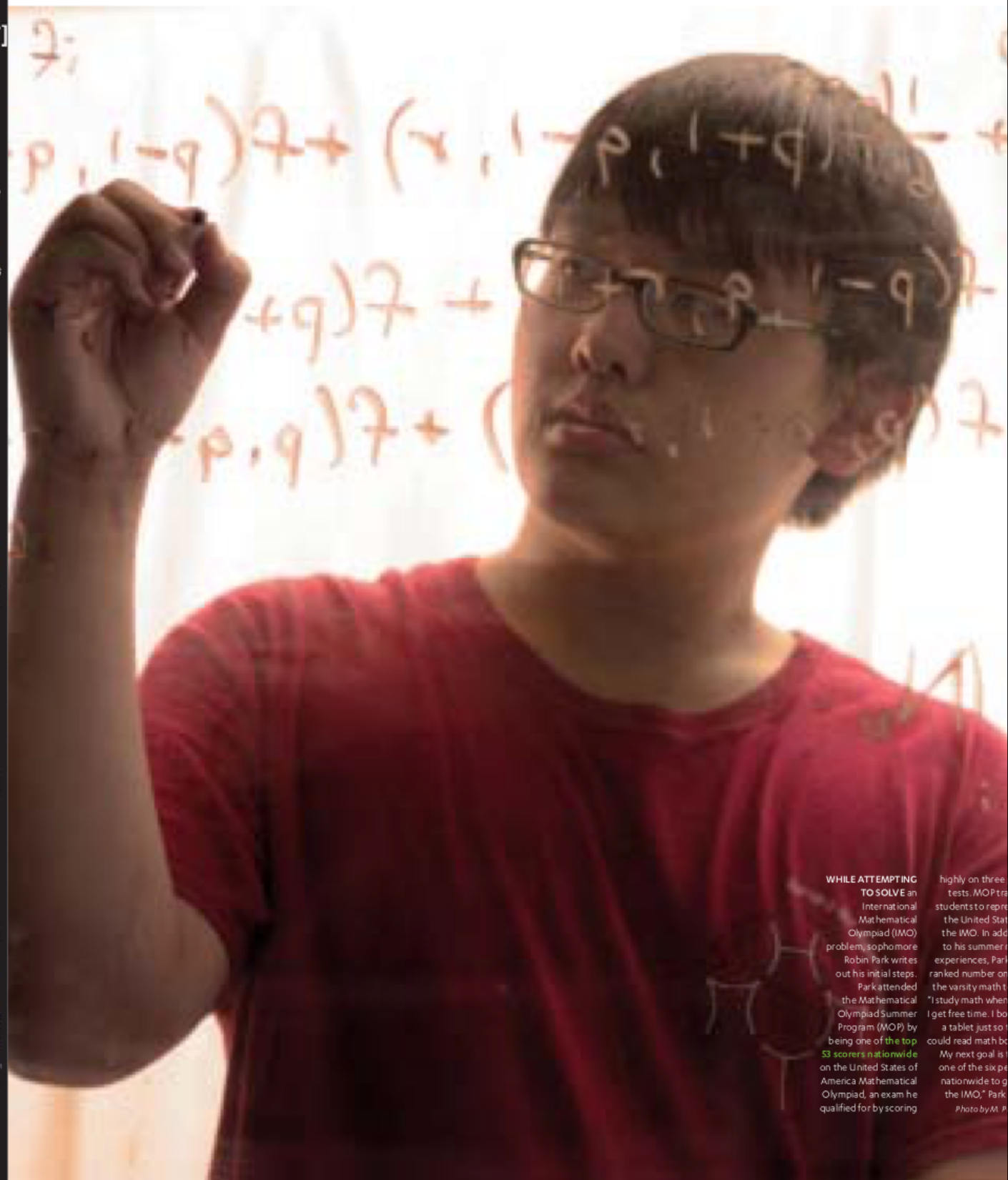
10 PM WebAssign deadline

52 Computers in the Syslab

13 Senior research labs

ONE Question

How can we maintain a passion for learning in a school system where a pronounced emphasis on achieving good grades has a tendency to reduce genuine interest in gaining a deeper understanding of subject material? Junior Emily Rogers
Photo illustration by A. Shi



WHILE ATTEMPTING TO SOLVE an International Mathematical Olympiad (IMO) problem, sophomore Robin Park writes out his initial steps. Park attended the Mathematical Olympiad Summer Program (MOP) by being one of the **top 53 scorers nationwide** on the United States of America Mathematical Olympiad, an exam he qualified for by scoring highly on three tests. MOP trains students to represent the United States at the IMO. In addition to his summer experiences, Park ranked number one on the varsity math team. "I study math when I get free time. I bought a tablet just so I could read math books. My next goal is to be one of the six people nationwide to go to the IMO," Park said. Photo by M. P.



HOW DO YOU UP YOUR
PHOTO GAME WHEN
YOU DON'T HAVE A
CLUE?

ACTION, REACTION.

MOTION, EMOTION.

CANDID PHOTOS





FAKE IT 'TIL YOU MAKE IT.

COMPOSITION

FAKE IT 'TIL YOU MAKE IT.
COMPOSITION



DEREK BRUMBAUGH
PURPLE & WHITE,
PITTSBURG HS,
PITTSBURG, KAN.
NEWS PICTURE FINALIST

INTEREST

FAKE IT 'TIL YOU MAKE IT.

COMPOSITION



GABE WEININGER
TORCH,
GLENBROOK NORTH HS,
NORTHBROOK, ILL.

SPORTS REACTION FINALIST

INTEREST

FAKE IT 'TIL YOU MAKE IT.
COMPOSITION



DOLLY MOON
THE TALON,
HENDRICKSON HS,
PFLUGERVILLE, TEXAS

SPORTS REACTION FINALIST

EMOTION

FAKE IT 'TIL YOU MAKE IT.
COMPOSITION



ALLISON SCHOCKE
PINNACLE, CARMEL HS,
CARMEL, IND.
SPORTS REACTION FINALIST

EMOTION

FAKE IT 'TIL YOU MAKE IT.

COMPOSITION



EVAN MALC
ROCKY MOUNT,
HIGHLIGHT
ROCKY MOUNTAIN
FORT COLLINS, CO
SPORTS REACTION FINAL

EMOTION

FAKE IT 'TIL YOU MAKE IT.

COMPOSITION

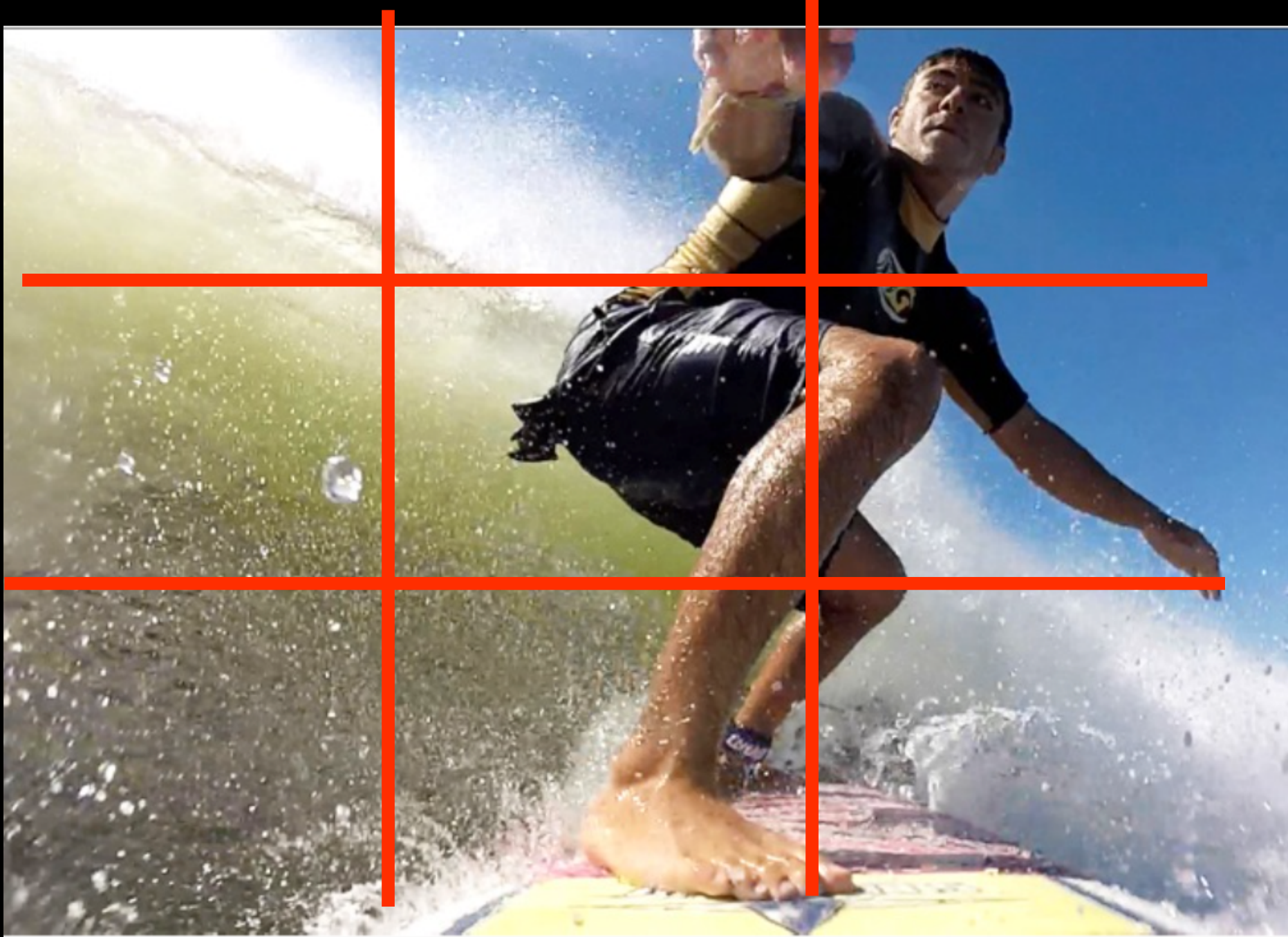


MORGAN BERG
TORCH,
GLENBROOK NORTH HS,
NORTHBROOK, ILL.
ENVIRONMENTAL PORTRAIT FINALIST

RULE OF THIRDS

FAKE IT 'TIL YOU MAKE IT.

COMPOSITION

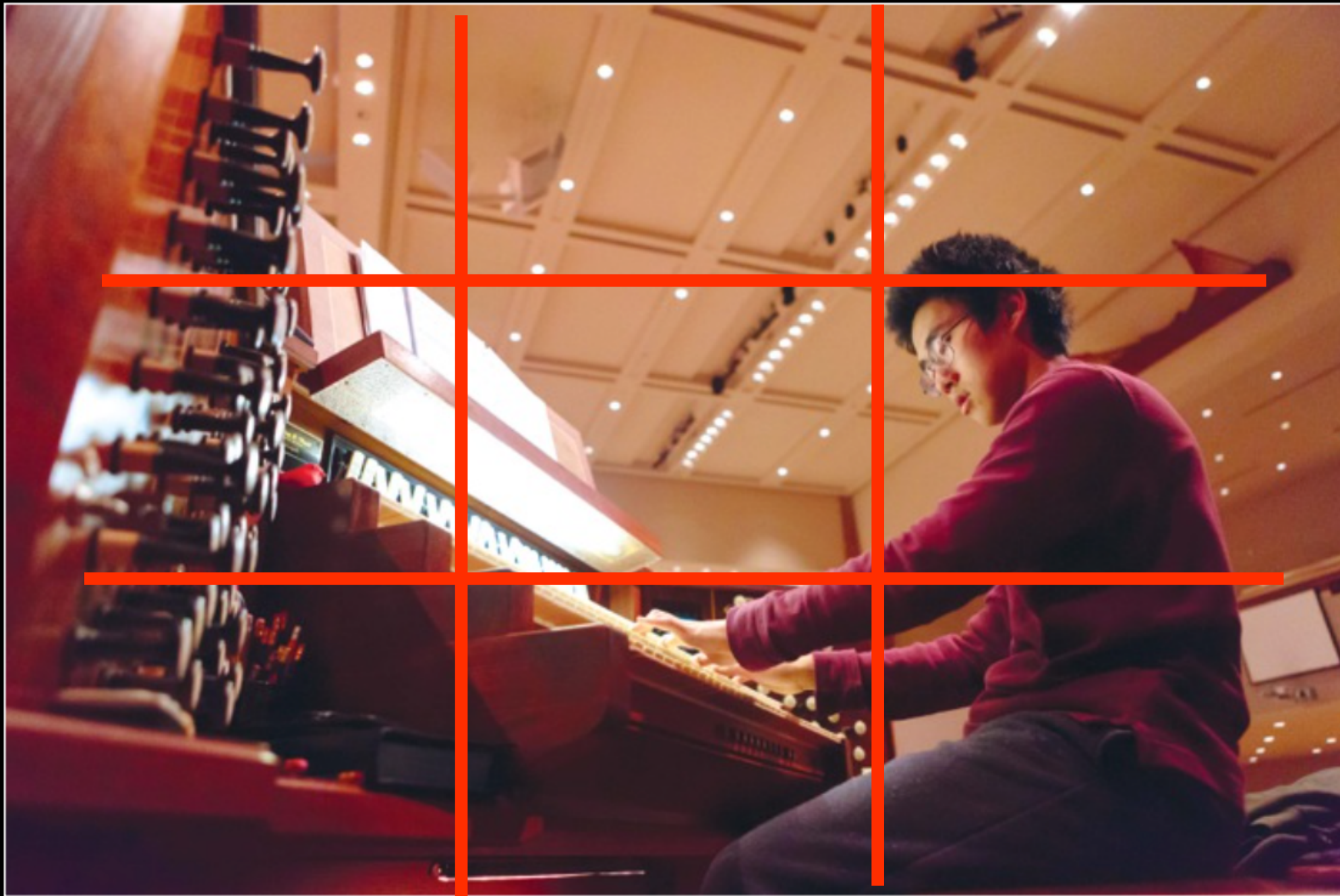


MATTHEW FOURANIS
INVICTUS,
WARD MELVILLE HS,
EAST SETAUKET, N.Y.

ENVIRONMENTAL PORTRAIT FINALIST

RULE OF THIRDS

FAKE IT 'TIL YOU MAKE IT.
COMPOSITION



KYLE CRAWFORD
THE HILITE,
CARMEL HS,
CARMEL, IND.

ENVIRONMENTAL PORTRAIT FINALIST

RULE OF THIRDS

FAKE IT 'TIL YOU MAKE IT.
COMPOSITION



BRIANNA RODRIGUE
THE TRADITION,
JOHN PAUL STEVENS HS,
SAN ANTONIO, TEXAS
FEATURE PICTURE FINALIST

RULE OF THIRDS

FAKE IT 'TIL YOU MAKE IT.

COMPOSITION



MORGAN SAUCIE
EL PAISANO
WESTLAKE HS
AUSTIN, TEXAS

SPORTS REACTION FINALIS

PERSPECTIVE

FAKE IT 'TIL YOU MAKE IT.

COMPOSITION



ZACHARIAH CHOU
PATRIOT POST,
AMERICAN HERITAGE HS,
PLANTATION, FLA.
NEWS PICTURE FINALIST

PERSPECTIVE

FAKE IT 'TIL YOU MAKE IT.
COMPOSITION



EMILY YI
THE NIGHTHAWK,
ROCKY HEIGHTS MS,
HIGHLANDS RANCH, COLO.
JUNIOR HIGH/MIDDLE SCHOOL FINALIST

PERSPECTIVE

FAKE IT 'TIL YOU MAKE IT.

COMPOSITION



FRAMING

FAKE IT 'TIL YOU MAKE IT.
COMPOSITION



FRAMING

FAKE IT 'TIL YOU MAKE IT.

COMPOSITION



LEADING LINES

FAKE IT 'TIL YOU MAKE IT.

COMPOSITION



LEADING LINES

KNOBS AND DIALS

THE STUFF I DON'T GET.

KNOBS AND DIALS

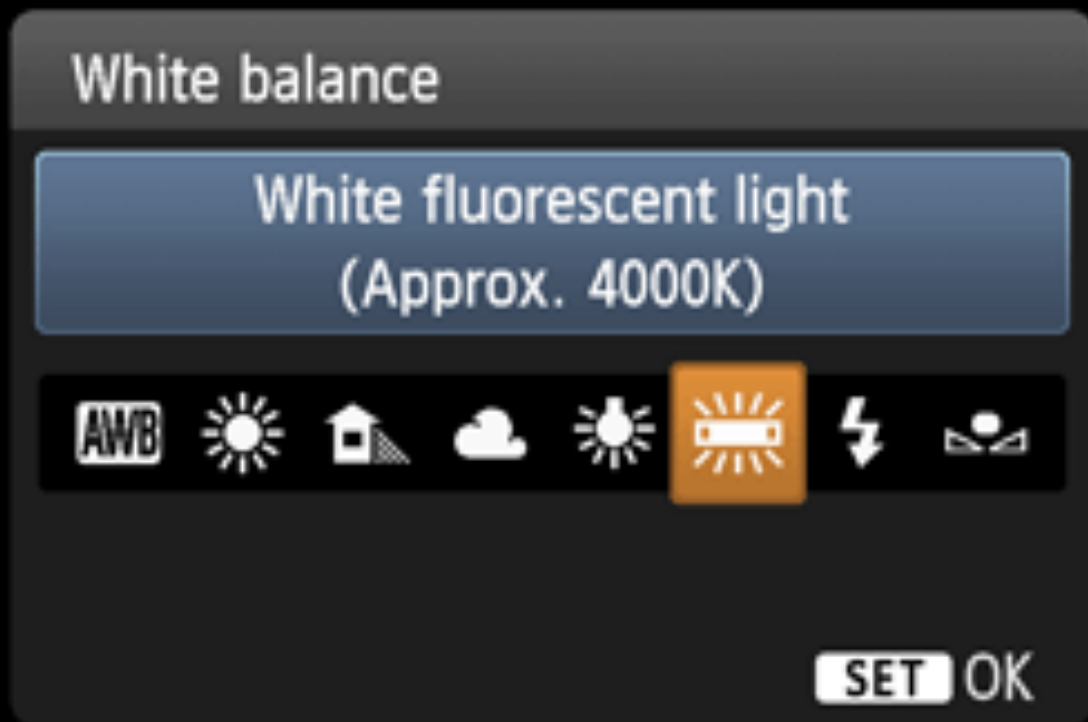
THE STUFF I DON'T GET.



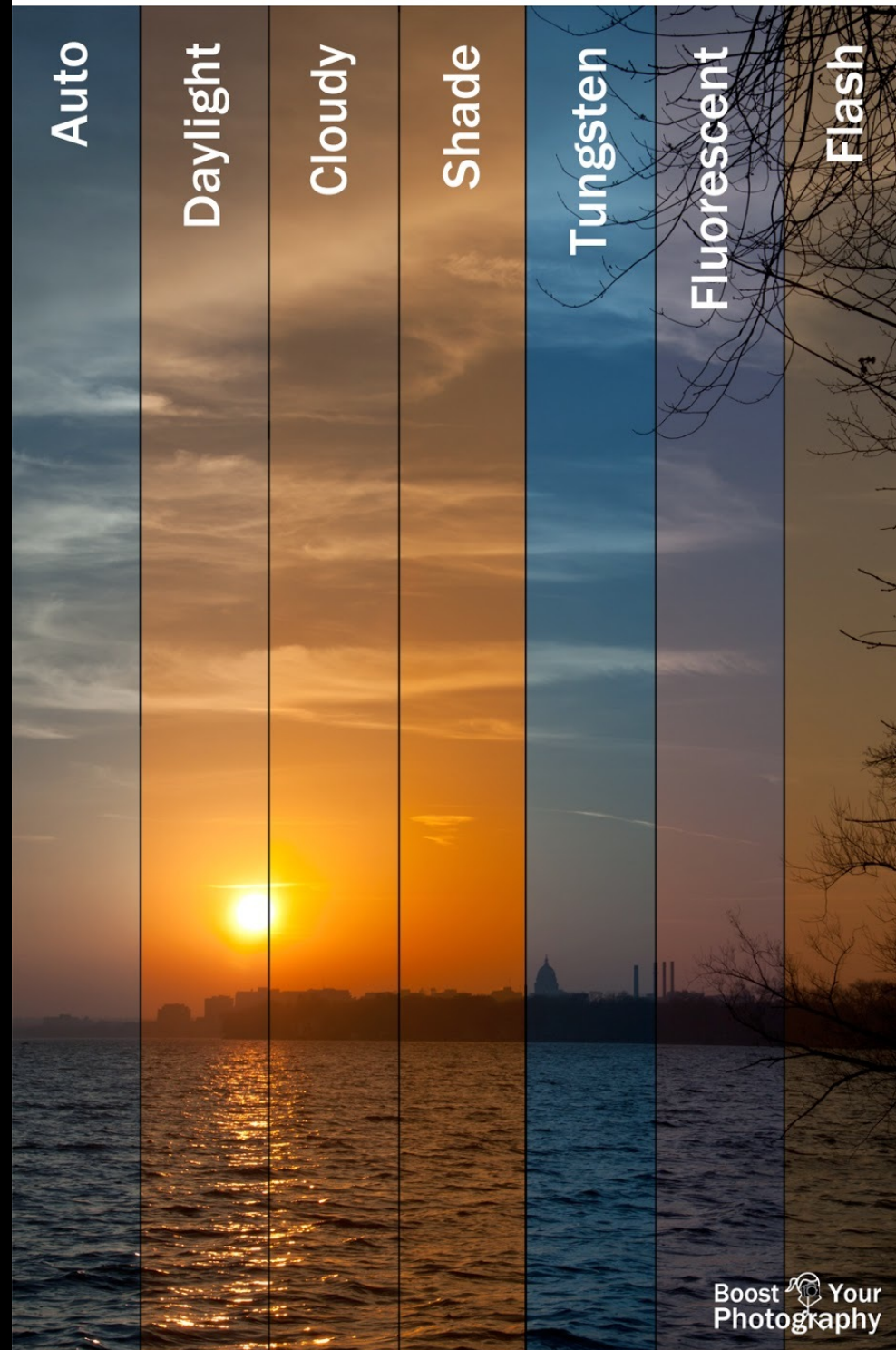
THE CAMERA

KNOBS AND DIALS

THE STUFF I DON'T GET.



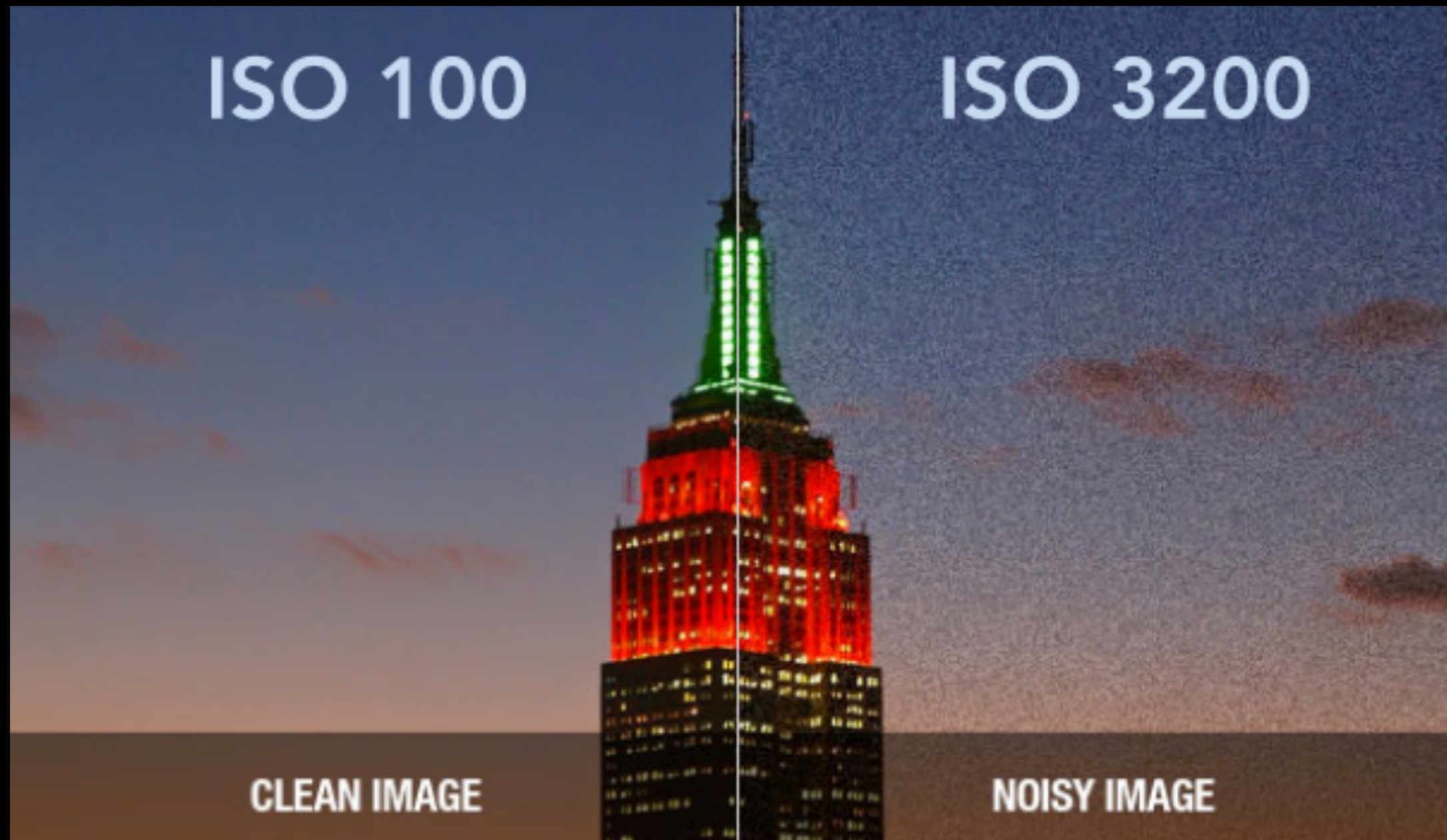
What the ... White Balance?



WHITE BALANCE

KNOBS AND DIALS












THE STUFF I DON'T GET.



ISO

KNOBBS AND DIALS

THE STUFF I DON'T GET.

Shutter Speed: a Visual Reference	
1/4000 Fastest speed	
1/2000 Bright, Outdoors	
1/1000	
1/500	
1/250 Freeze motion Flash sync speed	
1/60 Min. handheld 60mm	
1/30	
1/15 Consider a tripod	
1/8	
1/4 Panning	
0.5"	

SHUTTER SPEED

KNOBS AND DIALS

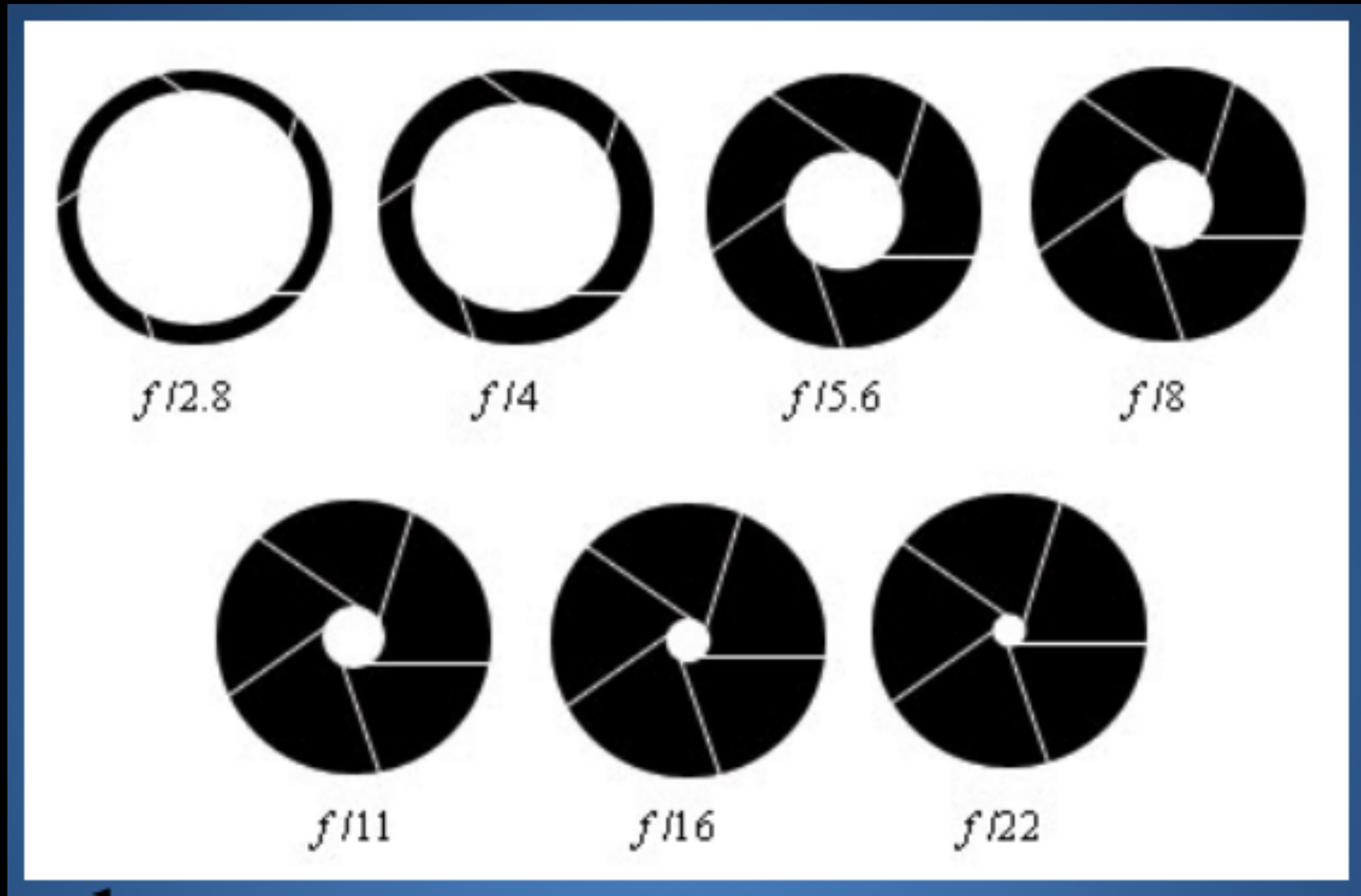
THE STUFF I DON'T GET.



SHUTTER SPEED

KNOBS AND DIALS

THE STUFF I DON'T GET.



APERTURE

KNOBS AND DIALS

THE STUFF I DON'T GET.



f/64

APERTURE

KNOBS AND DIALS

THE STUFF I DON'T GET.



APERTURE

GET OUT THAT PHONE.

USE WHAT

YOU'VE GOT

NO REALLY.
GET IT OUT.

GET OUT THAT PHONE.

USE WHAT YOU'VE GOT

1. GET CLOSE. THEN GET CLOSER.
2. DON'T ZOOM.
3. TURN OFF THE FLASH.

TIPS

GET OUT THAT PHONE.
**USE WHAT
YOU'VE GOT**



TIPS

GET OUT THAT PHONE.

USE WHAT YOU'VE GOT

1. GET CLOSE. THEN GET CLOSER.
2. DON'T ZOOM.
3. TURN OFF THE FLASH.
4. USE NATURAL LIGHTING.

TIPS

"YOU GOTTA PAY TO PLAY."

**GET WHAT
YOU WANT**

"YOU GOTTA PAY TO PLAY."
**GET WHAT
YOU WANT**

EF 70-200mm f/2.8L USM



"THE BAE"

"YOU GOTTA PAY TO PLAY."
**GET WHAT
YOU WANT**

Canon EF 28-135mm f/3.5-5.6 IS USM Lens B&H

Canon

Authorized Dealer



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Order **Now** to ship **Wednesday Oct, 7** ⓘ

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- EF Mount Lens
- Aperture Range: f/3.5-36
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- Ultrasonic Autofocus Motor
- Internal Focusing System
- Manual Focus Override
- Constant Minimum Focus Distance: 20"
- 72mm Filter Thread Diameter

★★★★★ 376 Reviews

Q&A

"THE LITTLE BAE"

"YOU GOTTA PAY TO PLAY."
**GET WHAT
YOU WANT**



"THE LITTLE BAE"

"YOU GOTTA PAY TO PLAY."

GET WHAT
YOU WANT

EF 50mm f/1.8 II



"NIFTY FIFTY"

"YOU GOTTA PAY TO PLAY."
**GET WHAT
YOU WANT**



"NIFTY FIFTY"

"YOU GOTTA PAY TO PLAY."
**GET WHAT
YOU WANT**



"NIFTY FIFTY"

"YOU GOTTA PAY TO PLAY."
**GET WHAT
YOU WANT**



"NIFTY FIFTY"

"YOU GOTTA PAY TO PLAY."
**GET WHAT
YOU WANT**



"NIFTY FIFTY"

"YOU GOTTA PAY TO PLAY."
**GET WHAT
YOU WANT**

Yongnuo YN-568EX II Speedlite for Canon Cameras

YONGNUO
DIGITAL



IN STOCK

Order **Now** to ship **Wednesday Oct, 7** ⓘ

Free Expedited Shipping

PRODUCT HIGHLIGHTS

- Compatible with Canon E-TTL / E-TTL II
- Guide Number: 190' at ISO 100 and 105mm
- Zoom Range: 24-105mm
- Tilts from -7 to 90°
- Rotates 270°
- Wireless Master/Slave TTL Functionality
- Recycle Time: 3 Seconds
- High-Speed & 2nd Curtain Sync
- Multi Mode & PC Sync Port
- Runs on 4 AA Batteries

★★★★☆ 10 Reviews

Q&A

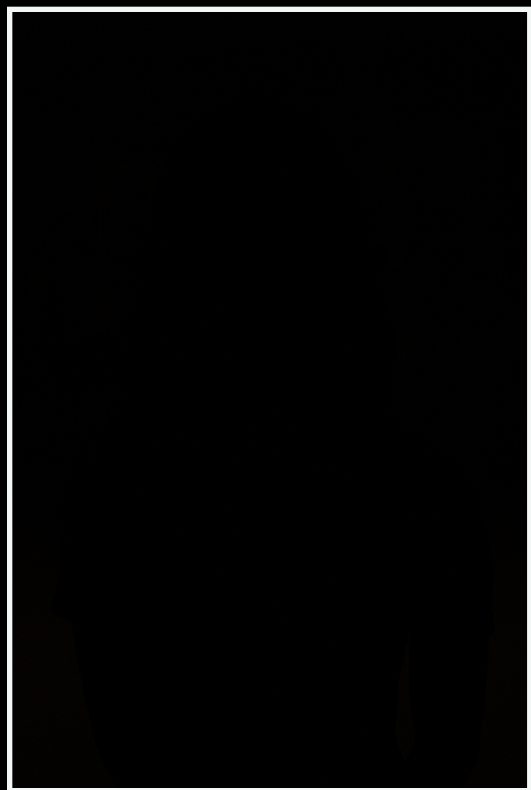
YONGNUO YN-568EX II

"YOU GOTTA PAY TO PLAY."
**GET WHAT
YOU WANT**



YONGNUO YN-568EX II

"YOU GOTTA PAY TO PLAY."
**GET WHAT
YOU WANT**

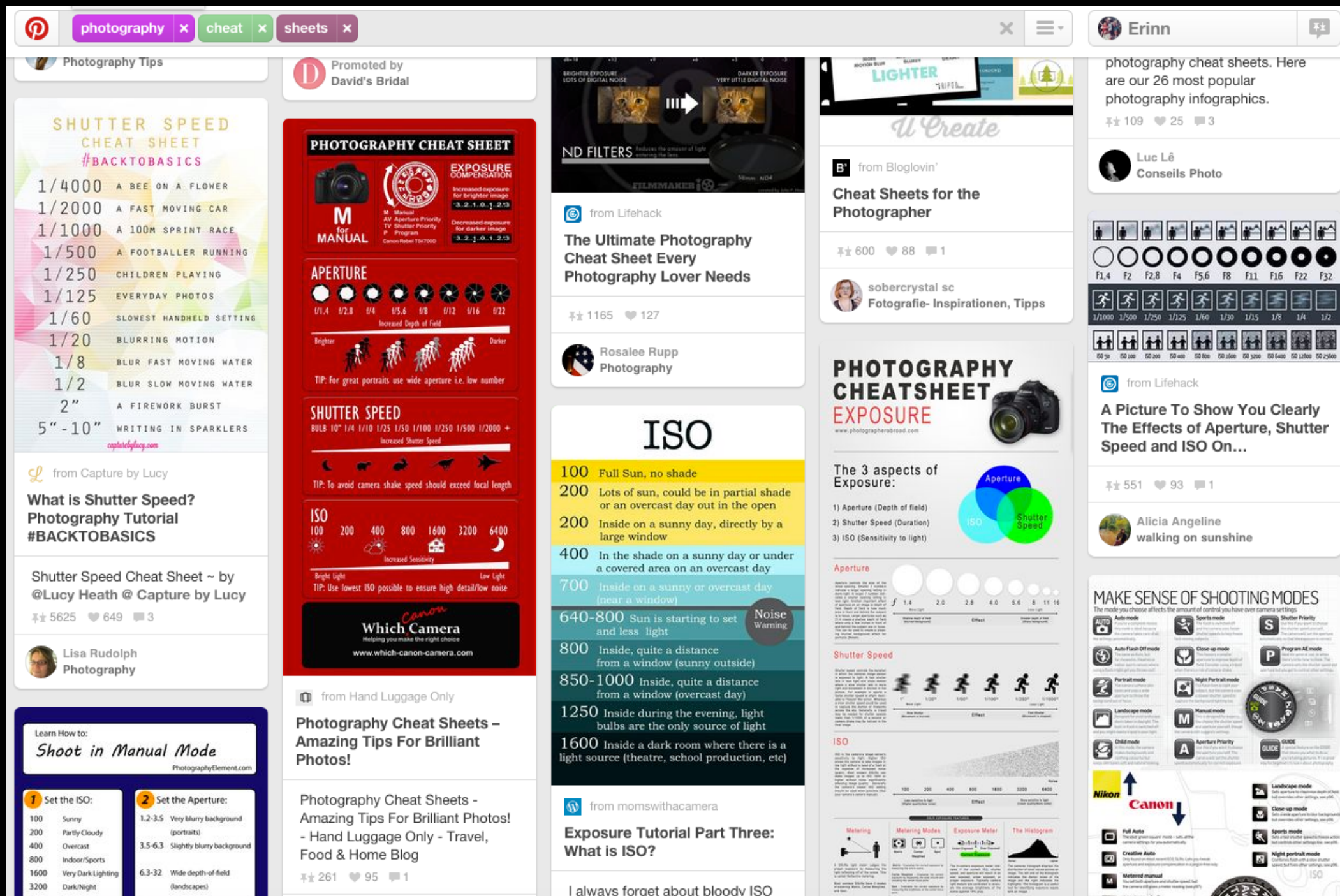


YONGNUO YN-568EX II

BECAUSE YOU NEED
SOMETHING ELSE TO PIN.

PINTEREST CHEAT SHEETS

BECAUSE YOU NEED SOMETHING ELSE TO PIN. PINTEREST CHEAT SHEETS





PHOTOGRAPHY FOR THE
NON-PHOTOGRAPHER