MONOCULAR OR BINOCULAR OR ...?

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THANK YOU!!!

- Special thanks to Jeff Kraskin and the Kraskin family for their dedication to OEP and behavioral optometry throughout the decades.
- Thank you to everyone who has contributed to my growth understanding through the last 30+ years. I am indebted to them and it is a debt I could never repay.
- Thank you to OEP for permission to allow the use of some of the images in this presentation

SIMPLE QUESTION, RIGHT?

- Patch on or patch off
- Using one eye or both
- Monocular fixation in a binocular field

How much more straightforward could it be?

MONOCULAR PROCEDURES

- Hart chart near far rock
- Ball games
- Monocular accommodative rock

Hart Chart Near Far Rock

OFNPVDTCHE YBAKOEZLRX ETHWFMBKAP BXFRTOSMVC RADVSXPETO MPOEANCBKF CRGDBKEPMA FXPSMARDLG TMUAXSOGPB HOSNCTKUZL

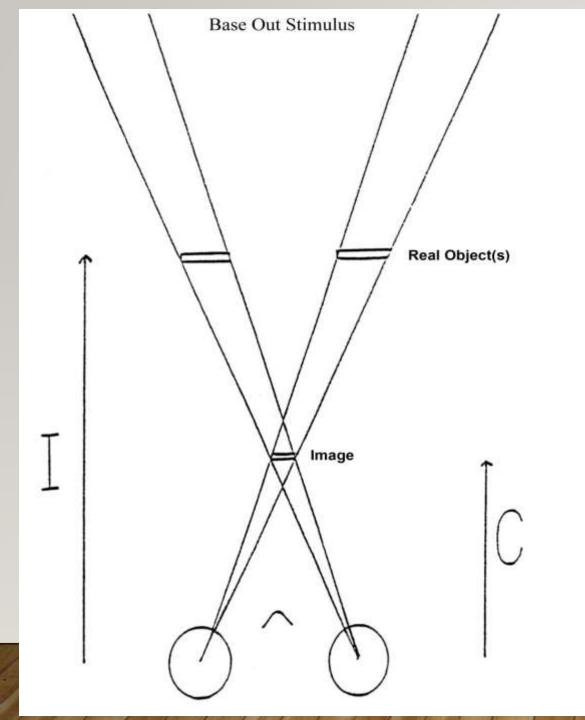


Ball Games

- 3 ways to hit
- 3 ways to catch
- Look and catch

BINOCULAR PROCEDURES

- Binocular accommodative rock
- Brock string
- Walking rail

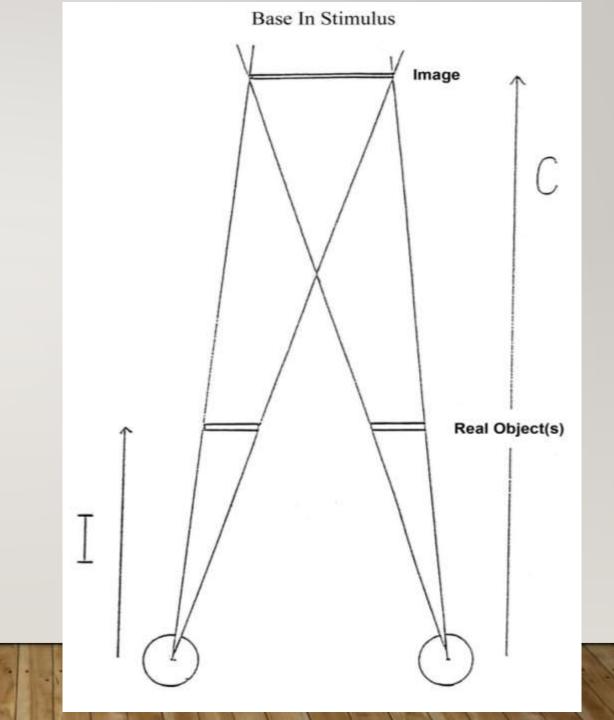


Base Out Demands

- See 3 Coins
- Vectograms
- Overlapping Pictures

Base In Demands

- Divergent



Life Saver Cards

- Fuse each set
- Fuse all 4







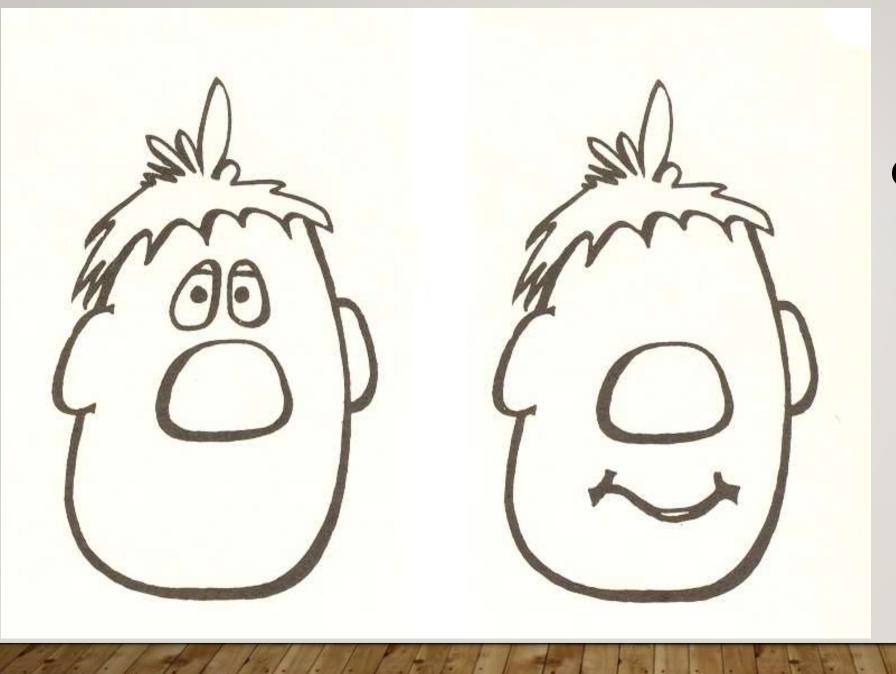




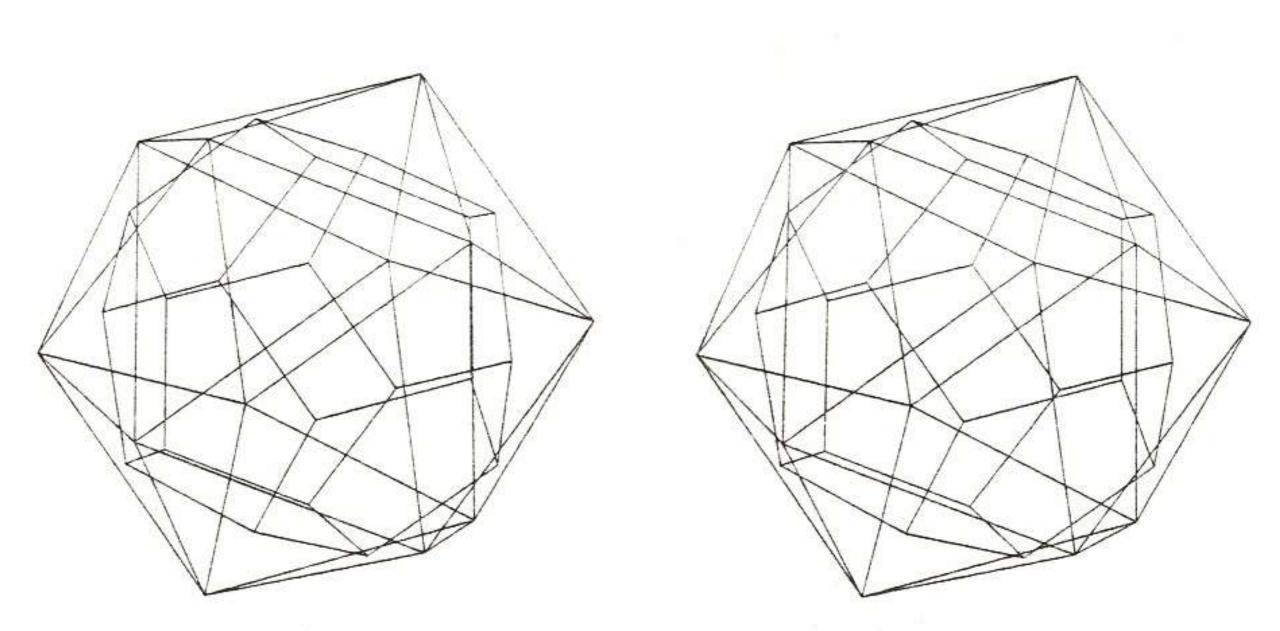








Overlapping Pictures Fred



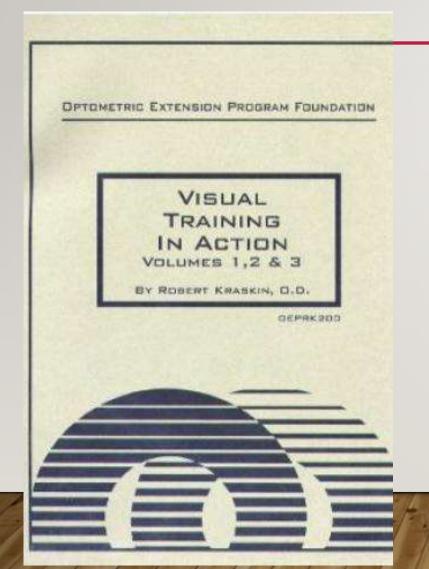
WHAT ABOUT MOTOR ACTIVITIES?

- Walking Rail
- Tachistoscope
- Motor Equivalents
 - Typically all have both eyes open

MONOCULAR FIXATION IN A BINOCULAR FIELD

- Where does this fit in?
- One eye is fixating but both eyes are open and actively computing space
- Canceling with Red/Green filters and targets

BUT IS THERE ANOTHER WAY TO THINK ABOUT IT?



"But 'vision' is neither monocular nor binocular; vision is output"

Vol 1, pg 67

"The total effector aspect of the visual system responds as a totality whether the input was monocular or binocular. Monocularity implies occlusion of one eye to avoid the admittance of radient energy to one eye whereas the non-occluded eye is permitted to receive stimulation from light from which there may be created an output — an output of the total effector system."

Continued

"And likewise, binocularity implies the simultaneous admittance of radient energy to both eyes. The radient energy admitted to both eyes may or may not create similar inputs, but, no matter what, the result is an output – an output of the total effector system."

Continued

"As referred to in past chapter, the output of the total effector system involves I) balance with gravity, 2) balance with the task, and 3) manipulation of the task which totally constitute vision and from which can be ultimately stated 'I see'. "

Continued

"The effector system is a bilateral system. Bilaterality is a function of output."

INPUT VS OUTPUT

- Input may be monocular OR binocular OR MFBF
- Output is ALWAYS BINOCULAR!

Motor equilalents

BUT IS THERE ANOTHER WAY TO THINK ABOUT IT?

- Walking Rail
- Monocular Accommodative Rock
- Ball games

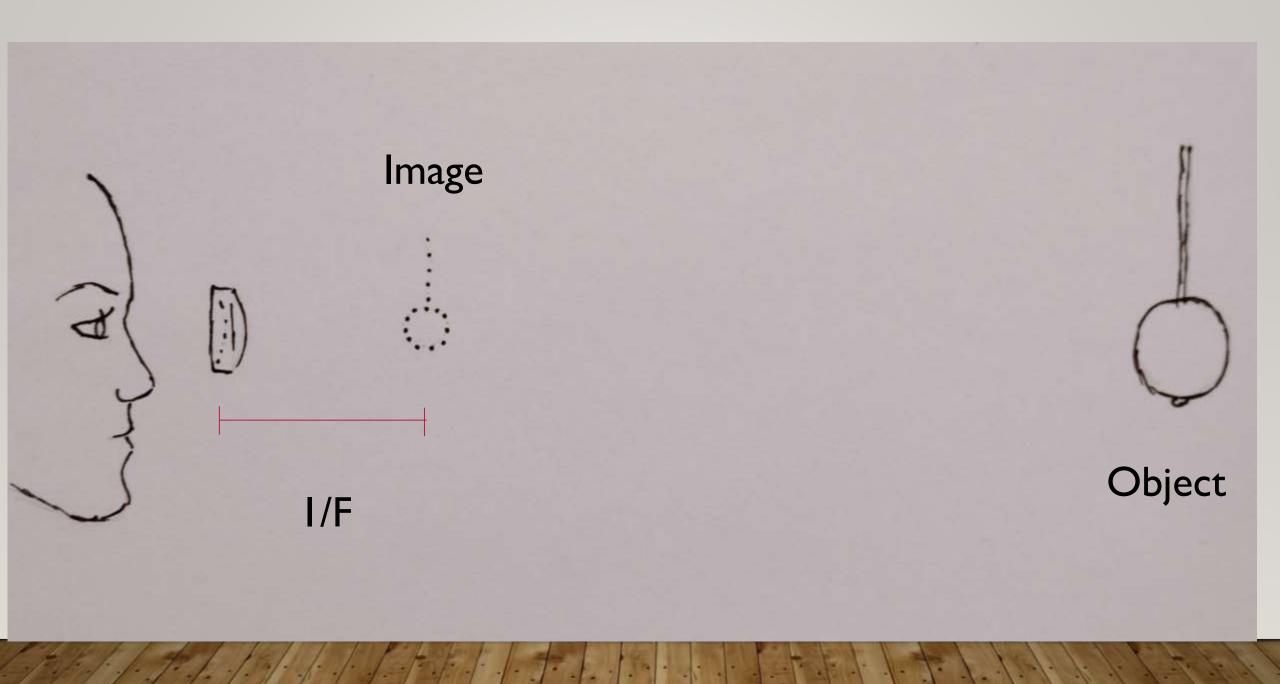
BEST EXAMPLE - MENTAL MINUS

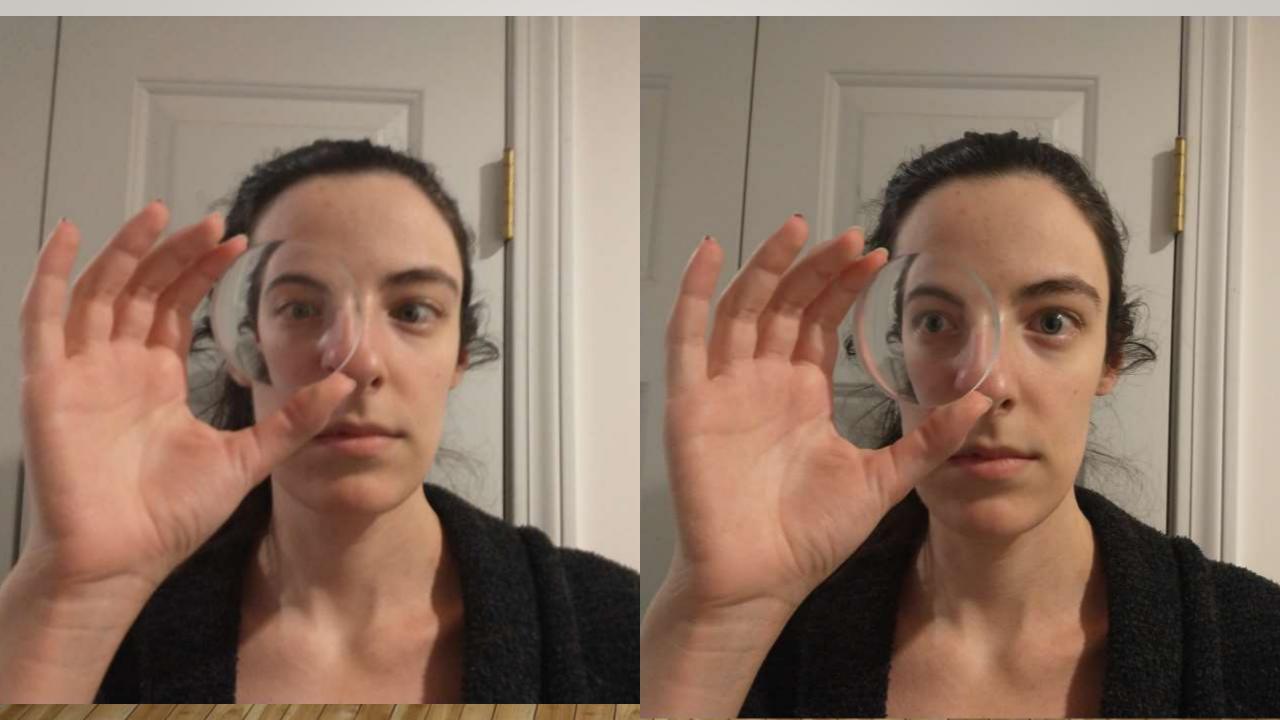
- Spatial aspects of lenses (Where is it)
- Accommodative aspects of lenses (What is it)

• BUT with Mental Minus, we can actually SEE how the patient is computing space!

Image inside lens
is smaller
AND closer







Does any of this matter?

Why should I care?

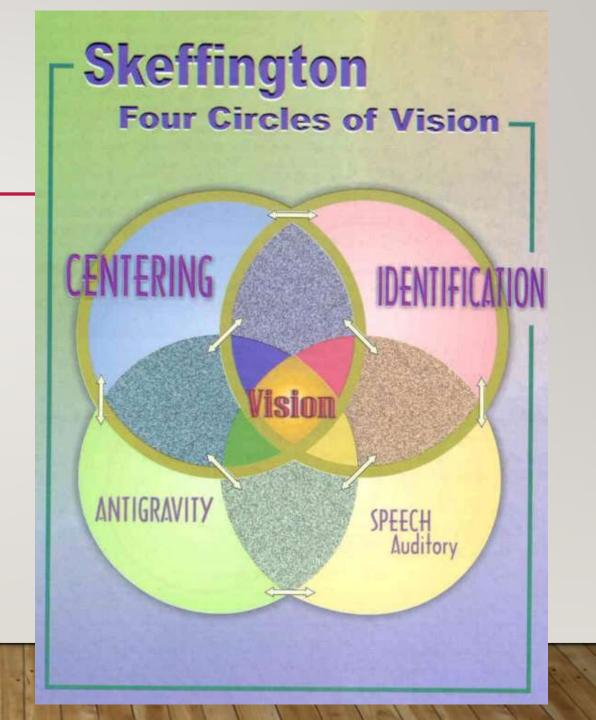
SKEFFINGTON'S CIRCLES

Where am I?

Where is it?

What is it?

What can I tell you about it/what do I know about it?



WE ARE BILATERAL BINOCULAR BEINGS

- Our biology, neurology, and development support this
- Makes more sense when doing VT to think of
 - Where am I
 - Where is it
 - What is it
 - What do I know about it
 - And you will get better results!!!!!

WHY?

- Because the primary purpose of the visual system is to guide and direct action
- Because it promotes development of the total visual-motor action system

THANKYOU!!!