

OSC | 11
Ohio Safety Congress & Expo



#471 World class safety on and off the job

Don Wilson

Wednesday, March 30, 2011
8:15 to 9:15 a.m.



"Reality Based Safety"

World Class Safety: On and Off the Job

"A fresh approach to 24/7 safety, and how you can keep yourself and your family safe at work, at home and on the road"

Presentation by Don Wilson

Session # 471



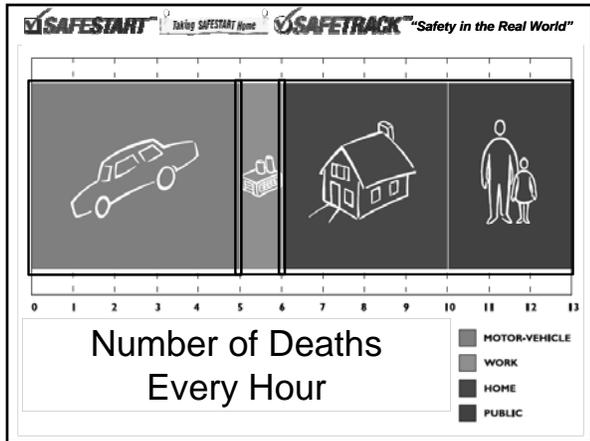
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Most Company Safety Training



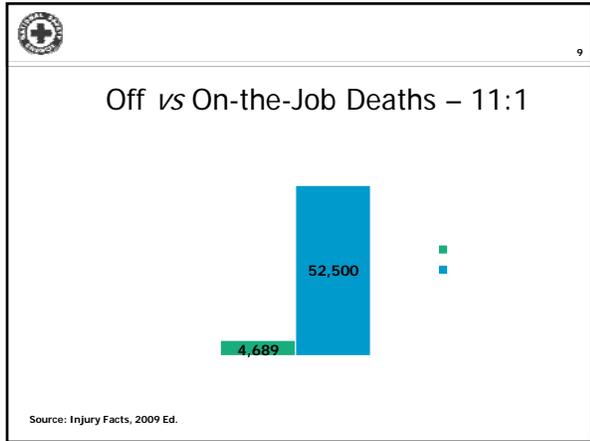
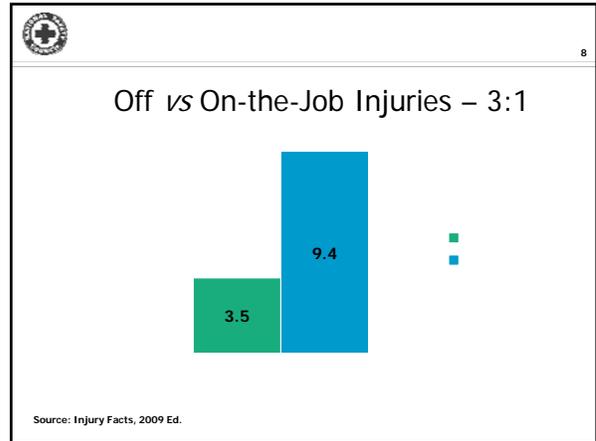
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Company's Agenda VS Individual Employee's Agenda

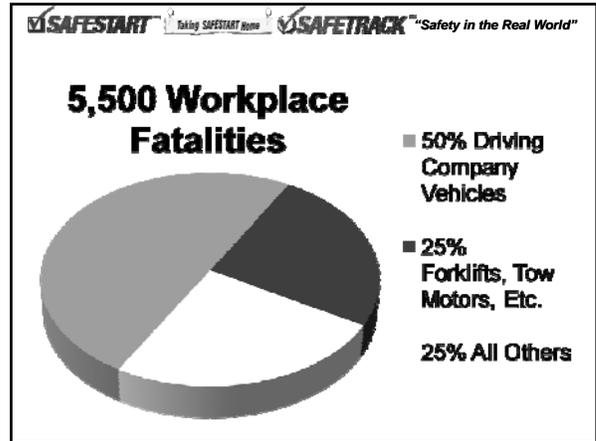
Personal Safety 24/7 **should** be the Goal

What Influences **Your** Personal Safety 24/7?



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What *Else* Influences Your Personal Safety?



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Three Types of At-Risk Behavior

- Deliberate At-Risk Behavior
- Unintentional At-Risk Behavior
- Habitual At-Risk Behavior

For Most of Our Injuries

Icons: SPEED LIMIT 10, Traffic Light (Red, Yellow, Green), Rearview Mirror

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How About Teaching People **Advanced** Safety Awareness & Skills That Will Really Help Them to Avoid Unintentional Errors

At Home, At Work, and On the Highway?

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ASA&S Basic Principles

- ✓ Hazards vary by job and workplace and from work to the road and home but:
 - Basic injury patterns remain constant
 - Lack of knowledge about hazards or procedures is rarely a factor



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SAFESTART™

These four states...

- Rushing
- Frustration
- Fatigue
- Complacency

can cause or contribute to these critical errors ...

- Eyes not on Task
- Mind not on Task
- Line-of-Fire
- Balance/Traction/Grip

...which increase the risk of injury.

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✓ Mind not on Task

SAFESTART™

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✓ Moving into the Line of Fire

SAFESTART™

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SAFESTART
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✓ Loss of Balance, Traction, or Grip

SAFESTART
 These four states...
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 Eyes not on Task
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That's Life !!!



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The Universal State to Error Pattern

States → Cause, Contribute or Lead To: → Errors

ALL Kinds of Errors in **ALL** Aspects of Our Everyday Life

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The Universal Injury Risk Pattern

States	(Cause)	Errors (Which cause)	Less risk	(To become)	More risk
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- Rushing
- Frustration
- Fatigue
- Complacency

- Eyes Not on Task
- Mind not on task
- Line of fire
- Balance, Traction, Grip

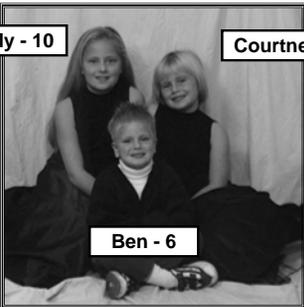
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ASA&S Basic Principles

- ✓ People can dramatically improve their Natural Safety Awareness & Skills; Motivate them to work on improving them and then provide Coaching & Training



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Carly - 10

Courtney - 8

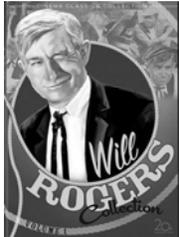
Ben - 6

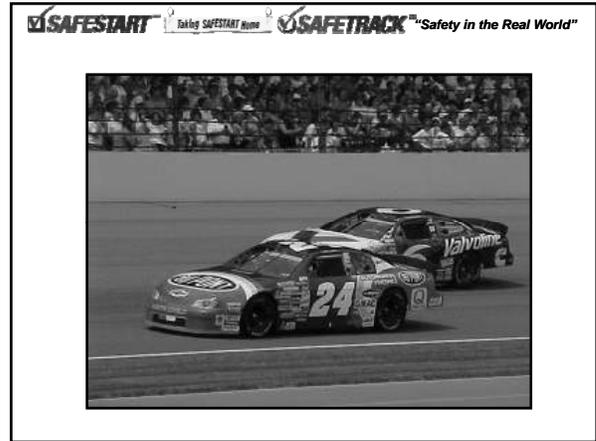
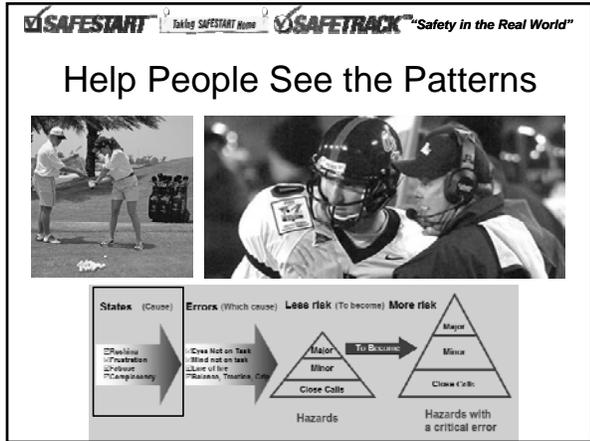
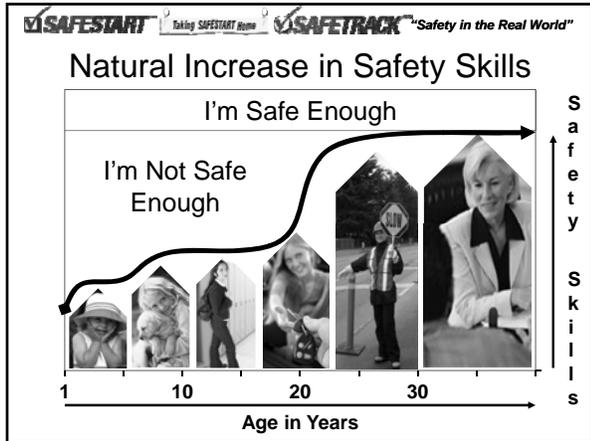


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There are Three Kinds of Men:

- Ones that learn by reading
- A few who learn by observation
- The rest of them have to pee on the electric fence and find out for themselves








What Have You Done to Fight Fatigue While Driving?



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Critical Error Reduction Techniques (CERT)

1. Self-trigger on the state (or amount of hazardous energy) so you don't make a critical error
2. Analyze close calls and small errors (to prevent agonizing over big ones)
3. Look at others for the patterns that increase the risk of injury
4. Work on habits

Critical Error Reduction Techniques

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"Reality Based Safety"

The Universal Injury Risk Pattern

States (Cause) Errors (Which cause) LESS risk (To become) MORE risk

Rushing
 Frustration
 Fatigue
 Complacency

Eyes Not on Task
 Mind not on task
 Line of fire
 Balance, Traction, Grip

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3. Look at others for the patterns that increase the risk of injury

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4. Start to work on your Safety Critical habits

SAFESTART
Critical Error Reduction Techniques (CERT)

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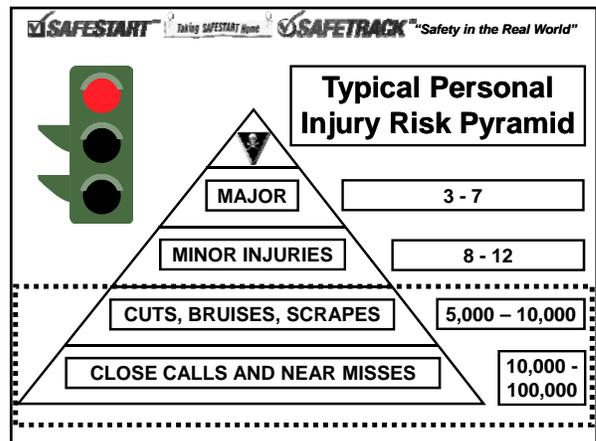
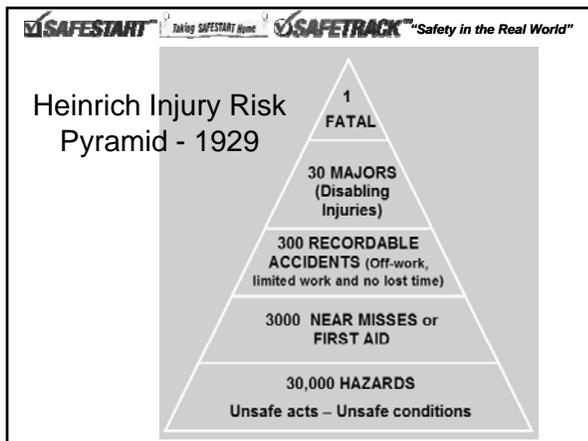


2. Analyze close calls and small errors (to prevent agonizing over the big ones)

SAFESTART™
Critical Error Reduction Techniques (CERT)

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Motivation for Safety

Focus on a **24/7** Personal Safety Agenda

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Safety - It's Not Just At Work!

– ASA&S works...

- On the job
- Off the job
- On the highway

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How About Giving People the Tools to Help Improve Their Family's Personal Safety 24/7

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Off the Job V.S. On the Job Fatalities

- Every year in the United States and Canada over 35,000 people die in accidents at home. Compare that to less than 6,000 accidental fatalities in all of the workplaces, mines, factories and refineries put together.
- A huge percentage of those accidental fatalities at home will be children. Over 7,000 children last year alone.
- *There are more potential years of life lost due to children dying accidentally than from heart disease, stroke, diabetes, AIDS/HIV and cancer put together*

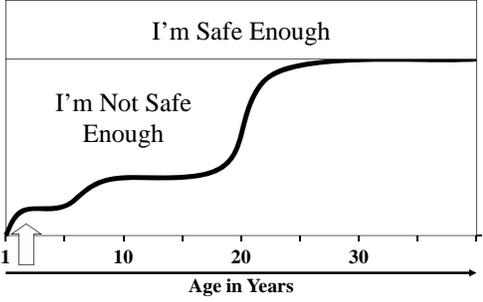
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What is the single most important thing to YOU?



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But As Their Skills Improve ...



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Highway Safety Issues



Young Drivers

Source: NHTSA Research Note. Crash Data and Rates for Age-Sex Groups of Drivers, 1996. January 1998.

The #1 killer of teenagers
doesn't have a trigger.

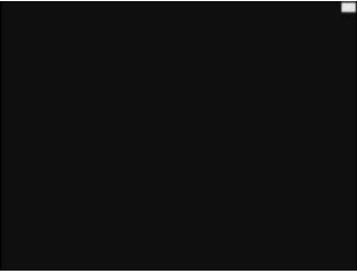


IT HAS A STEERING WHEEL.



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Where Do They Learn These Bad Habits?



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When People "Take Safety Home" Everyone Wins; the Employees, their Families, & the Employer !

The Learning Pyramid

Average retention of material presented in different ways

Lecture	5%
Reading Text	10%
Audio-visual representation	20%
Demonstration	30%
Discussion group	50%
Learning by doing	75%
Teaching others	90%

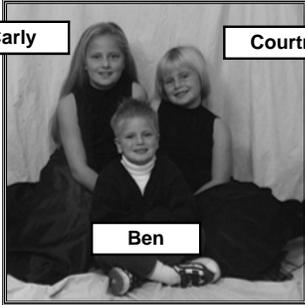


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24/7 Safety at Electrolab



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Carly

Courtney

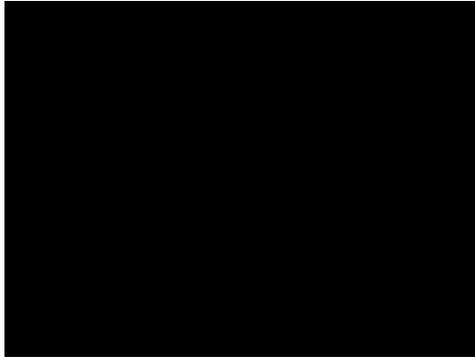
Ben

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How About Teaching People Skills That Will Also Save them Time and Money

At Home, At Work, and On the Highway?

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Start Watching for the "State to Error" Patterns

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Critical Error Reduction Techniques (CERT)

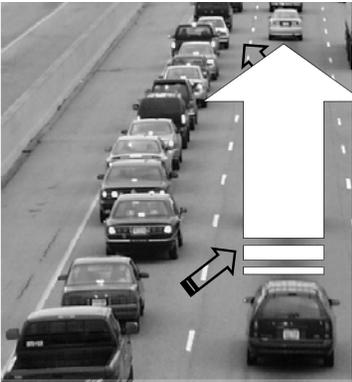
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 Eyes not on Task
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 Balance/Traction/Grip
 ...which increase the risk of injury.



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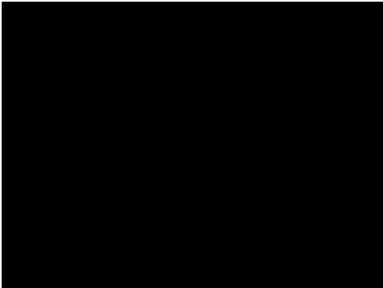


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Please Let Us Know What You Thought of Today's Presentation

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Thank you for attending!

Please Let Us Know What You're Thinking!

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