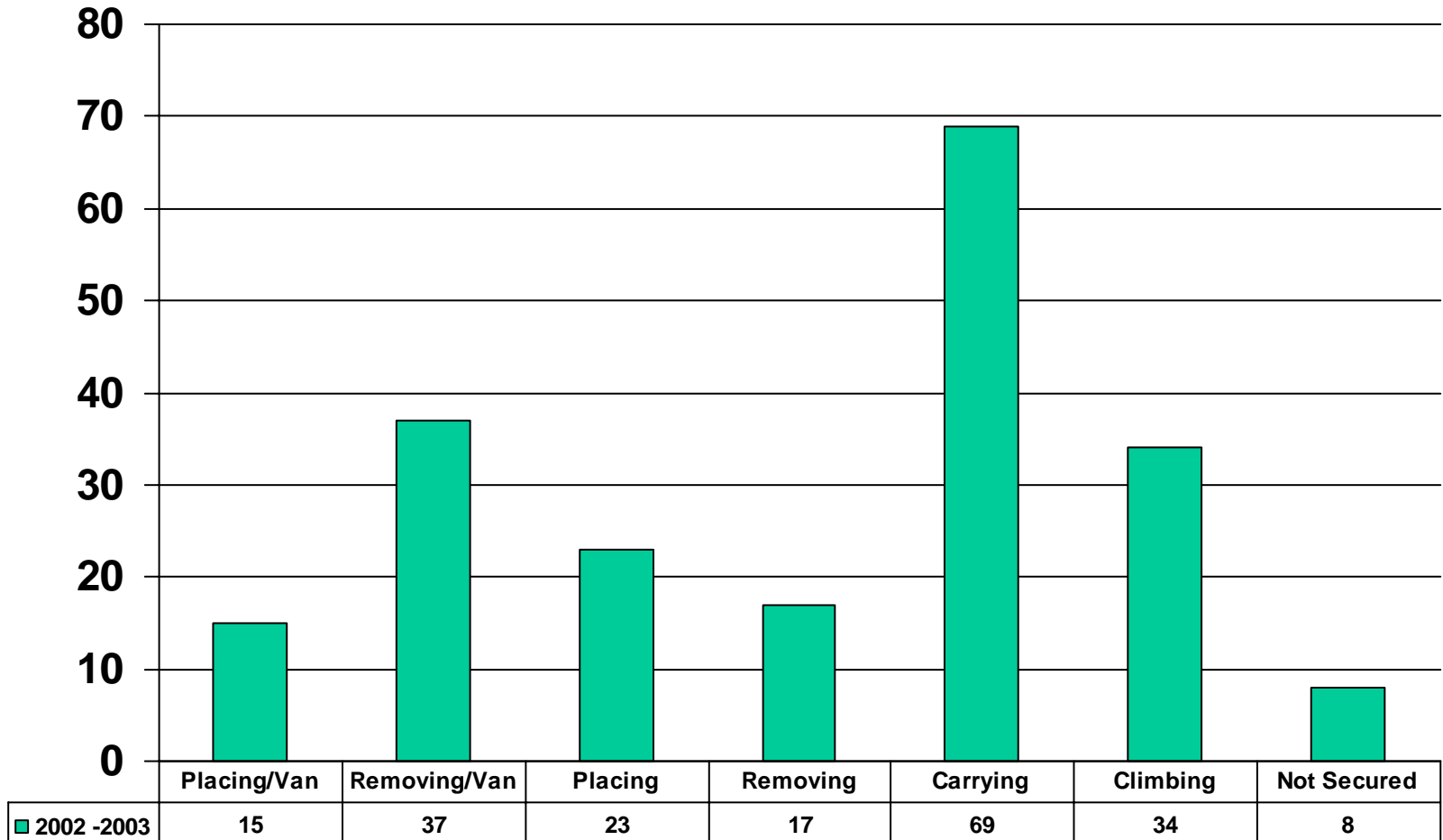


"Year of the Ladder"

John F. Quinlan, C.I.E.
National Manager
Ergonomics
Verizon Safety Management



Extension Ladder Incident Analysis

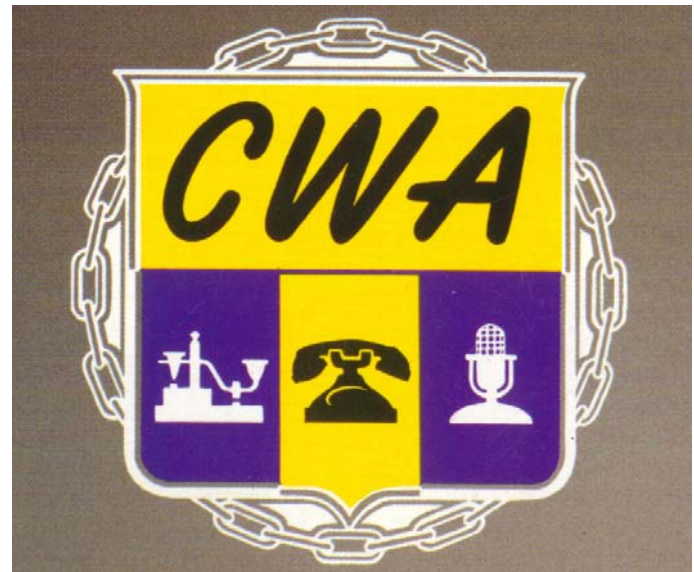


Addressing the Extension Ladder Issues

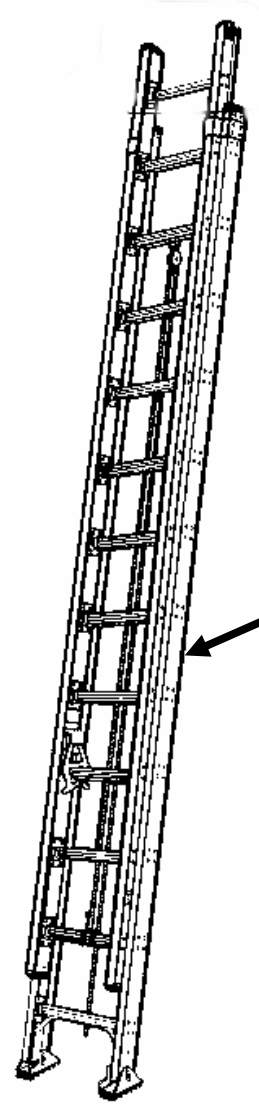
- Joint Union/Management Programs
- Training
- Balance Point Stickers
- Rotation Roof Racks
- Hand Tool Ergonomic Committee Involvement
- Field Trials of Ladder Transport Systems

“Hands-On Ladder Safety Refresher Class”

Verizon / CWA District 1 NYS Health & Safety Program



Balance Point Sticker



One balance point sticker should be placed on the right side (street side - hooks down) of the base (lower section)

Balance Point Sticker Location





Stored Position

In Deployed Position

Prime Design Rotation Roof Rack
1.8.PRIME.RACK
www.primedesign.net





Folded up for Storage

Open and Fully Deployed



Levelok

(360) 697-8629

www.levelok.com

Quick Connect Ladder Transport



Quick Connect Location



Attaching Ladder Transport



Walking with Ladder Transport

Free Standing when not in use





Shoulder Pad for situations where you would not need the Ladder Transport



American Innovations Buddy's Ladder Dolly

Attaches quickly and easily to all
hollow-rung extension ladders

Reduces carrying weight by up to 90%

Allows one handed carrying of ladder

Reduces work fatigue

Edge-mounted position
allows easy storage



American Innovations Corporation
(763) 258-3007

<http://www.ladderdolly.com/>

PNS

Private Network Solutions

(856) 869-0952

E Mail Address

PrivateNetwork@

Comcast.net



Ergo-Link

LADDER TROLLEY

Works with BOTH hollow and solid rung ladders, fiberglass, aluminum or wood.

- Ergonomically Designed
- Reduced Weight and Personal Injury
- Strong Aluminum Construction

Made in the USA

The advertisement features a large yellow and black background. On the left, a man in a dark jacket and blue pants is shown from behind, pushing a yellow ladder trolley. The trolley has a long yellow ladder frame and a metal base with four black wheels. Two circular inset images show close-ups: one of the trolley's base and wheels, and another of a person's feet on the trolley's rungs. The text 'Ergo-Link' is at the top in a stylized font, and 'LADDER TROLLEY' is in large, bold, red letters with a black outline. Below the title, it says 'Works with BOTH hollow and solid rung ladders, fiberglass, aluminum or wood.' A list of three bullet points describes the product's features. At the bottom left, there is a 'Made in the USA' logo with a red, white, and blue border.

ERGO-LINK: For ordering Info call 856-869-0952 or Email PrivateNetworks@Comcast.net



Year to Year Comparison

↓ **33.2%**

Loss Jobs per Day

Extension Ladders	1/1/2003	to	9/7/2003								
Cases	Rec	55	Non Rec	18	Total	73					
	1/1/2004	to	9/7/2004								
Cases	Rec	45	Non Rec	28	Total	73					
<u>Tech hours</u>											
LWD thru 9/7/03	Rest Days		Total Days	Non Productive	Hours Total		Avg Jobs Per Day		Jobs Total		
3,476	653	=	4,129	X 8 Hrs	= 33,032	/	4 Hrs (2 jobs per day)	=	8,258		
LWD thru 9/7/04	Rest Days		Total Days	Non Productive	Hours Total		Avg Jobs Per Day		Jobs Total		
2,242	514	=	2,756	X 8 Hrs	= 22,048	/	4 Hrs (2 jobs per day)	=	5,512		
							Additional Jobs Completed		2,746		
							Decrease in Loss Jobs		33.20%		

↓ **66.7%**

Loss Work Days

Questions?

