

# Glacier Travel

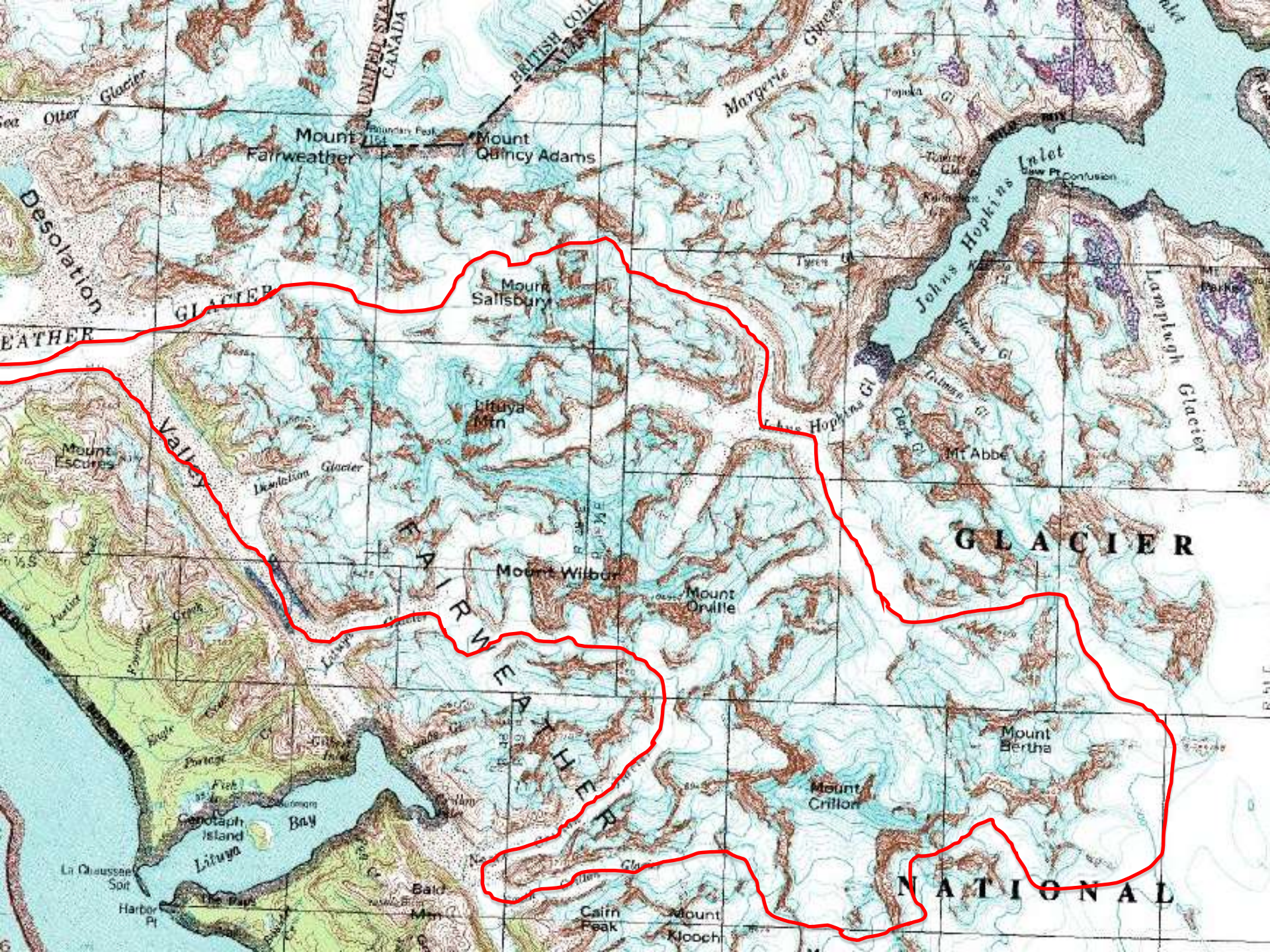


Jonathan Kreiss-Tomkins, Yale Winter School

# The best thing that ever happened to mountains

- Orographical sculpture
- A mountaineering highway
- Purd-ee!

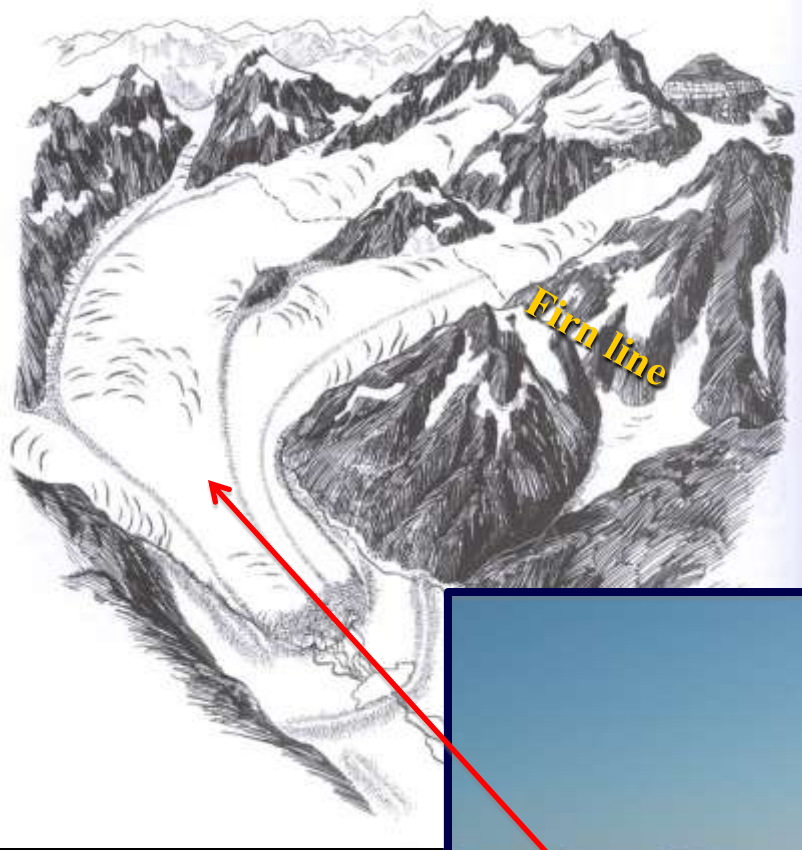


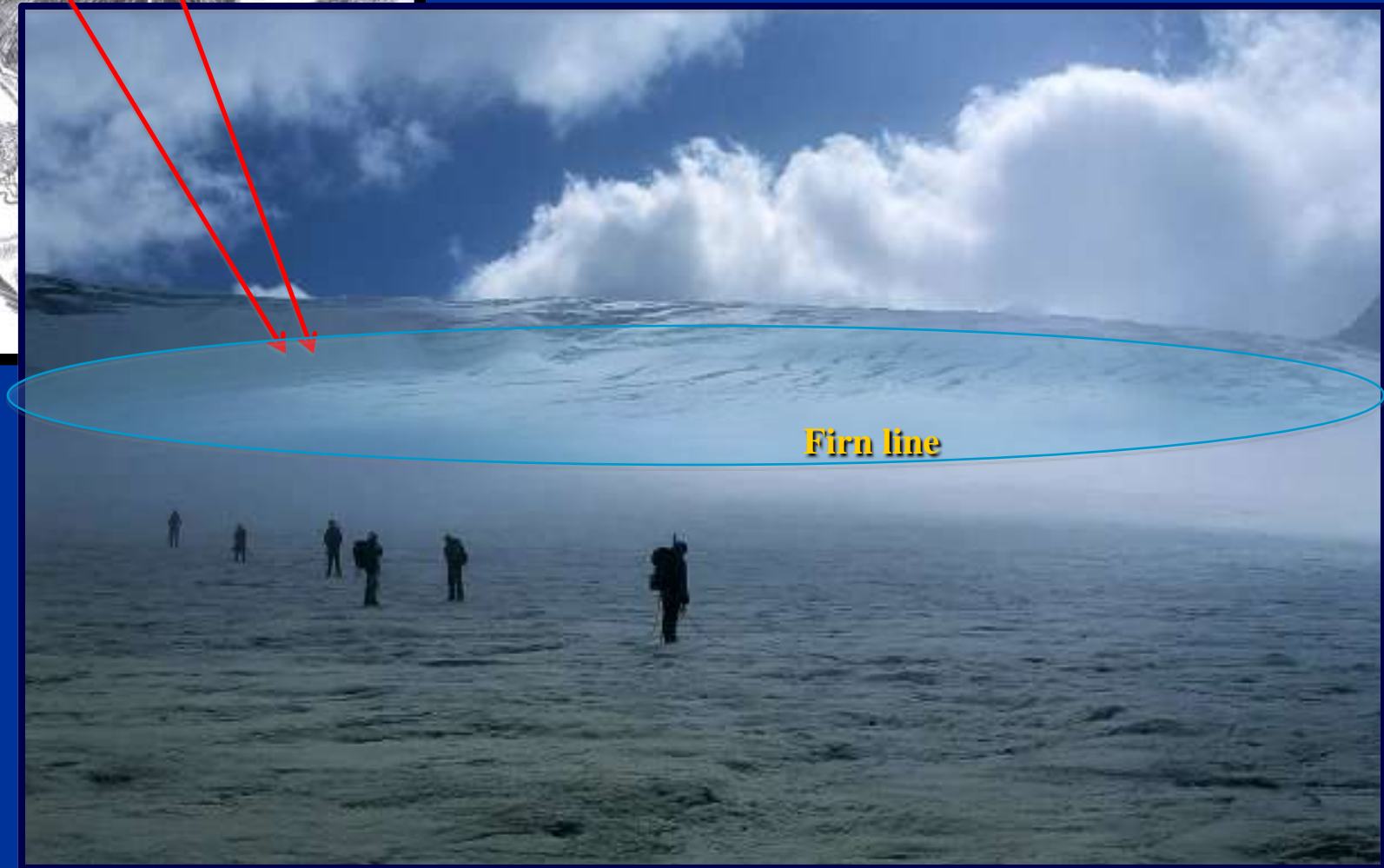
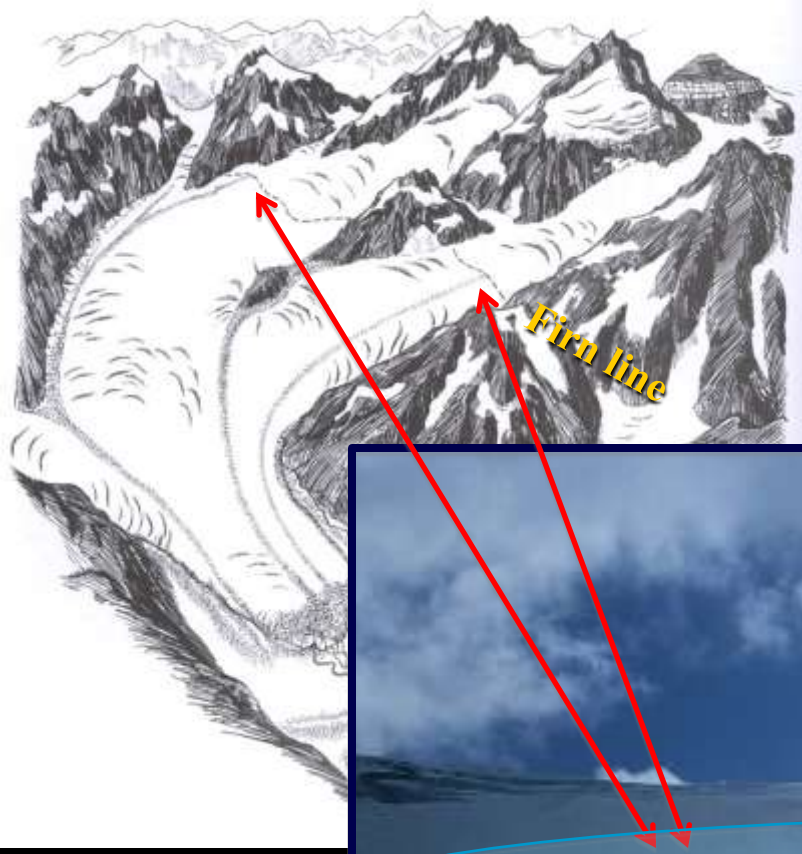


# Crevasses.

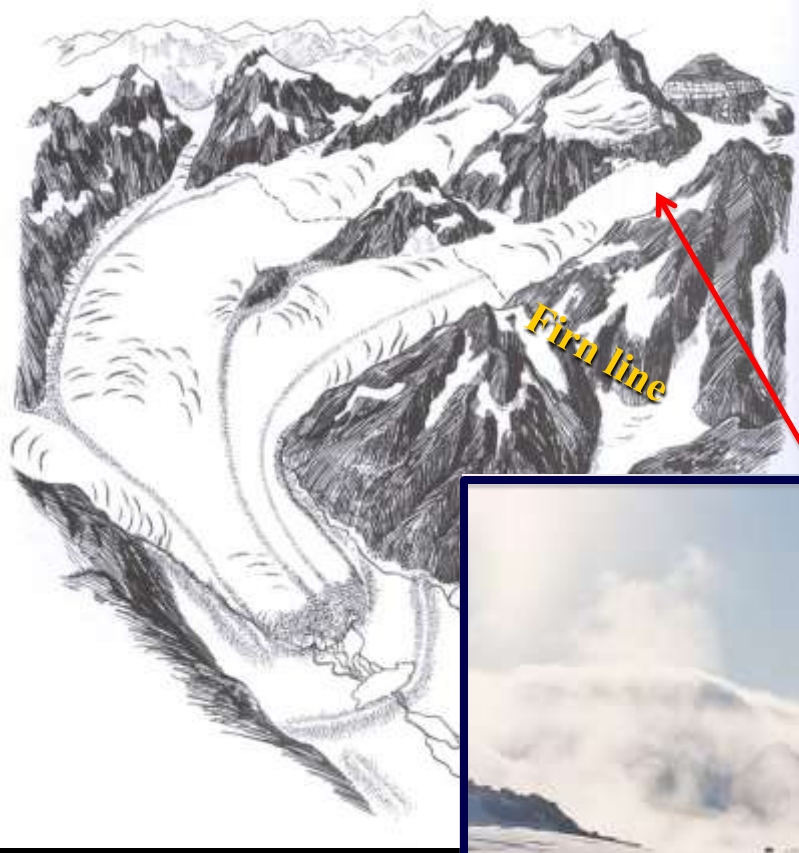


*“Ah, @#\$\*(@#!!!”*





# About camping on glaciers...



# Roping Up



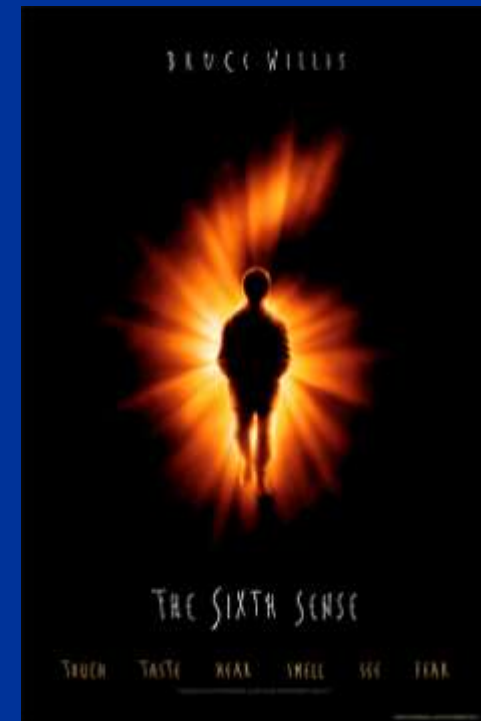
# Gear

Everything Boris talked about:

- Rope
- Harness (chest and hip)
- Helmet
- Ascenders (prusiks, mechanical ascenders)
- Anchors (deadmen, pickets, ice screws)
- Belay device
- Carabiners
- Wands
- Crevasse probe

# Route Finding

- Avoid likely crevasse locations
- Avoid potential pendulum falls (keep the rope perpendicular to crevasses)
- Wand your way through firn line
- Belay climbers in an out of camp





Whoopsy Daisy!

# So: how to get out of a crevasse

Team rescue

Self-rescue

Become a MANBEAST!  
(Prusik)

Brute force

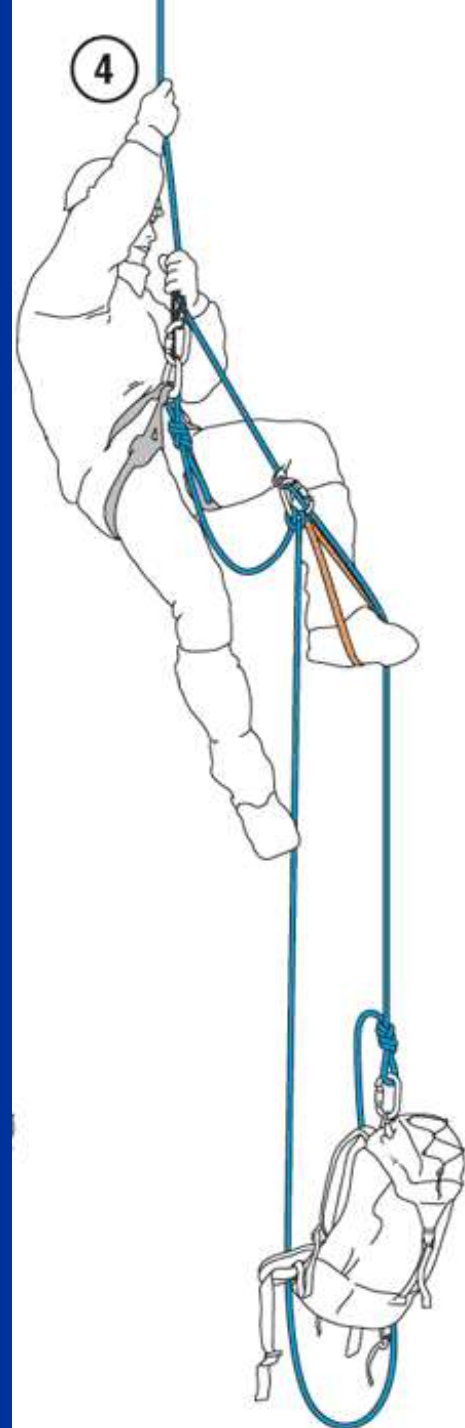
Set up a pulley system



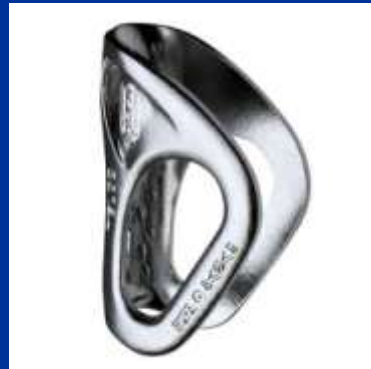
# Self-rescue



OR

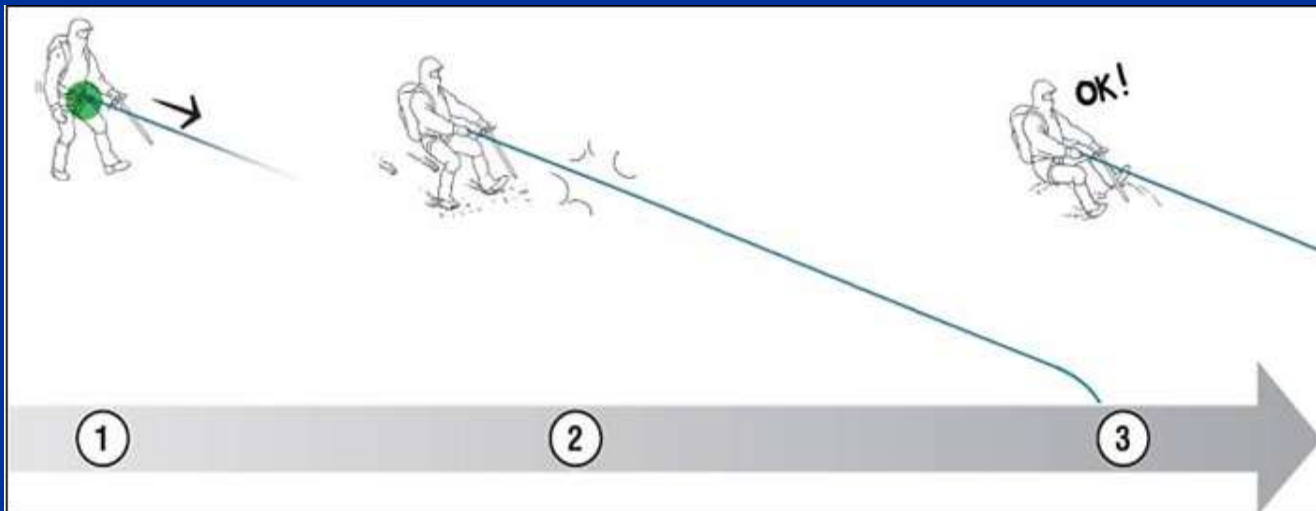
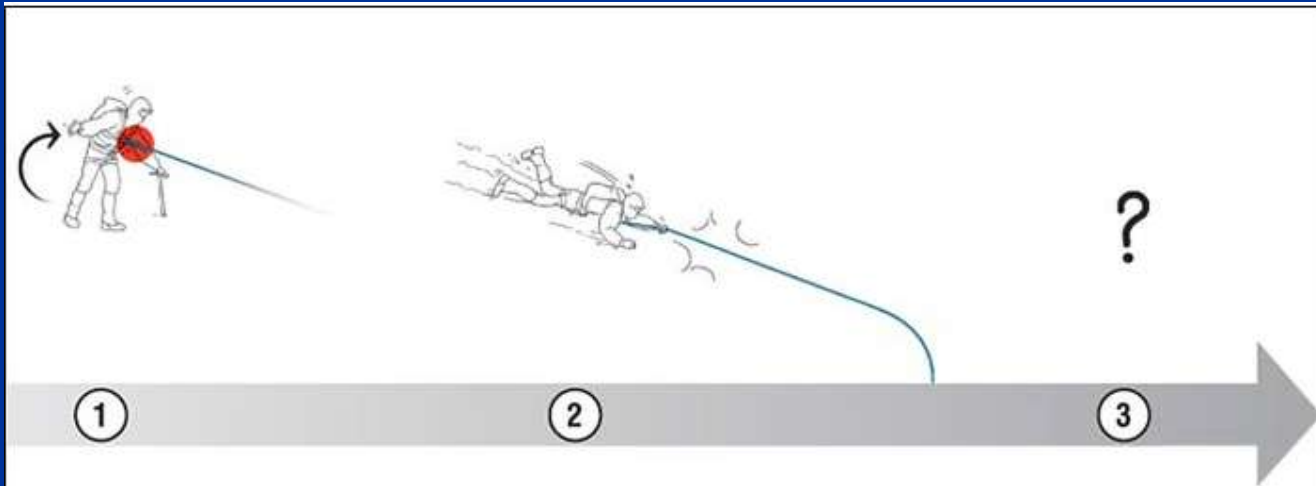


1. Chest harness
2. Drop pack, sled, ax
3. Put on warm clothes
4. Self-ascend up rope



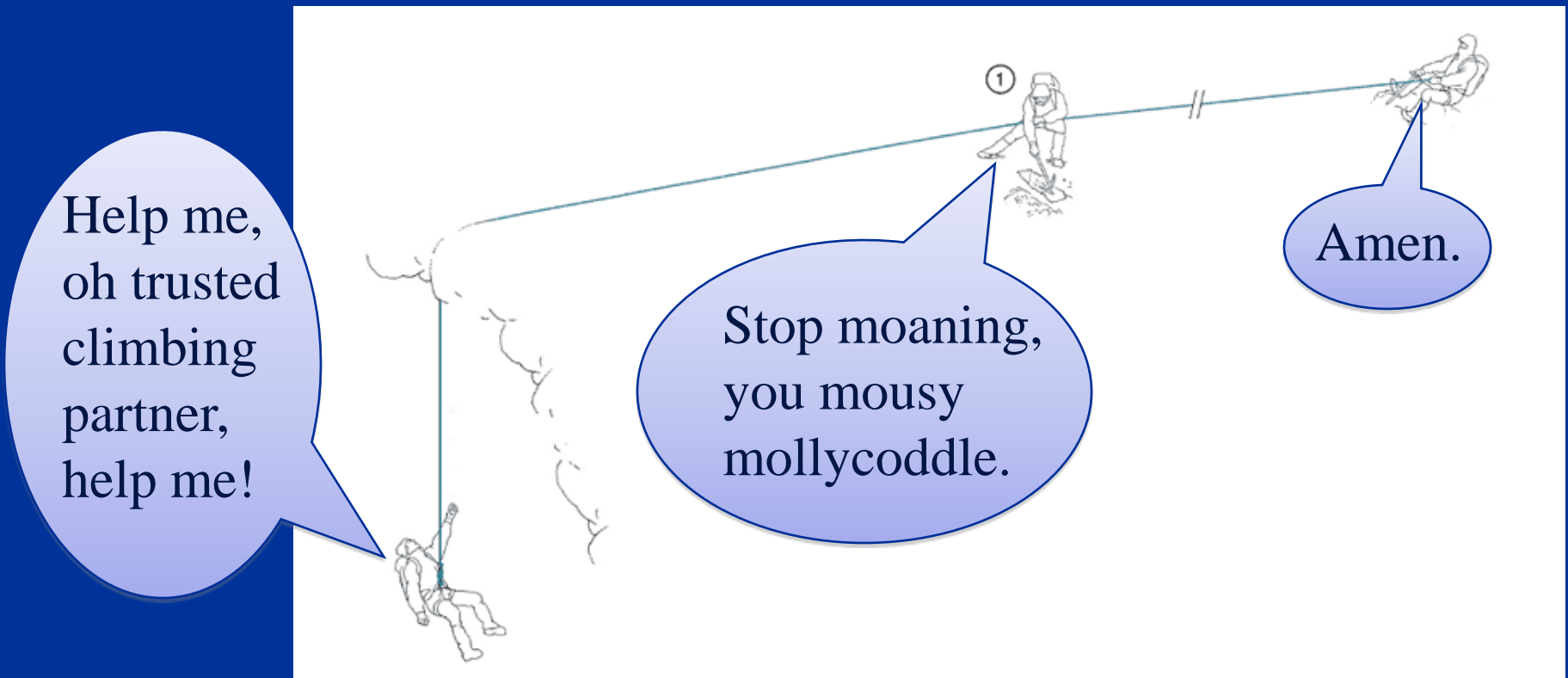
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2. Set anchor (any snow or ice protection: v-thread, ice screw, ice bollard/snow mushroom, deadman, fluke, or picket) and transfer load.



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3. Check on climber: dead? need rescue?

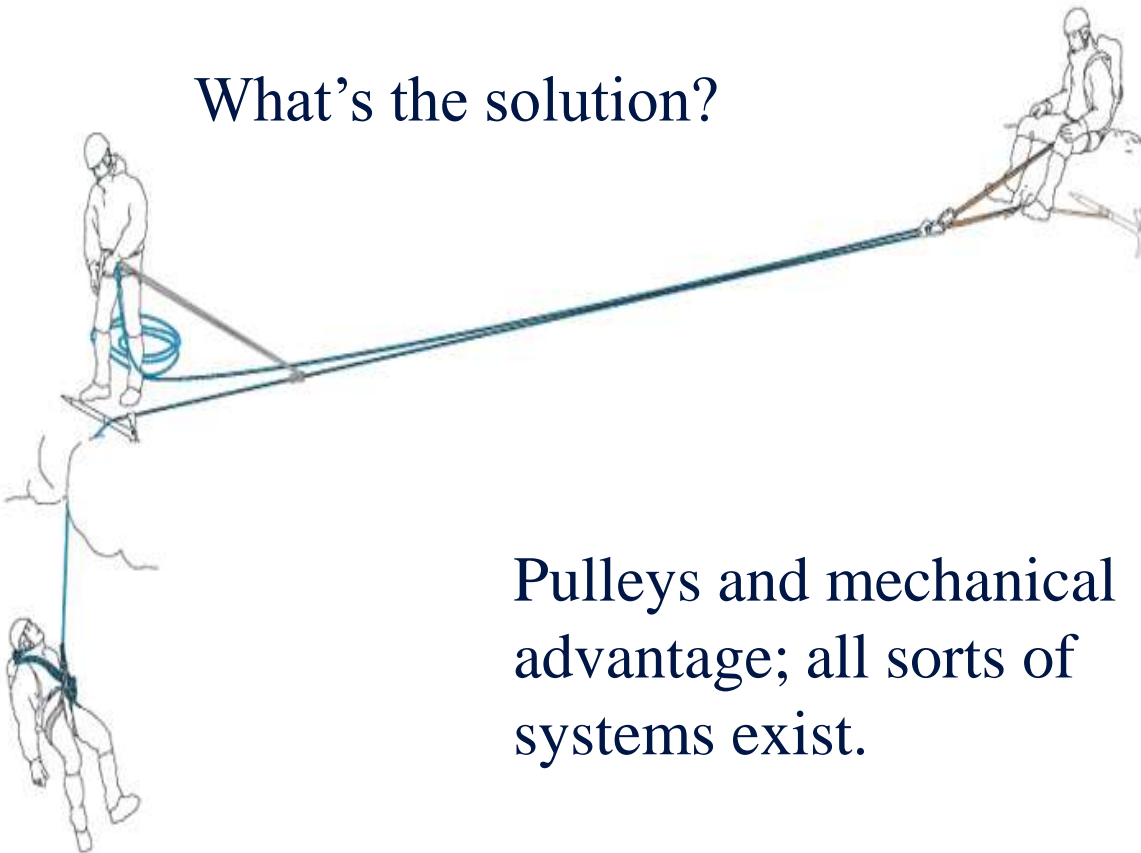


Note: Make sure you stay on belay!

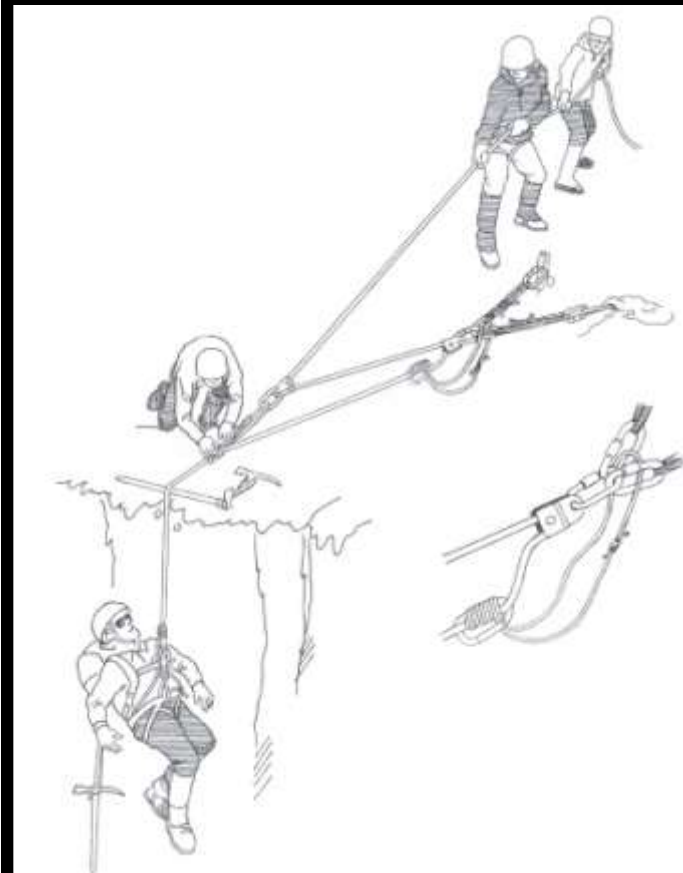
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3. Check on climber: dead? need rescue?
4. Haul him/her outta there! (Kinda complicated.)

What's the solution?



Pulleys and mechanical advantage; all sorts of systems exist.



# Caveat: This is way more complicated!

## Take home points:

- Glaciers necessitate rope teams (3-4 people is ideal).
- Know your glacier: how big are the biggest crevasses?
- Be careful, be ready. It's a hassle but you'll thank the heavens you took the time if a crevasse gets hungry.
- Practice, practice, practice, and then, yeah, practice some more.







REVISED AND IMPROVED



# GLACIER TRAVEL & CREVASSE RESCUE

Andy Selters



THE MOUNTAINEERS BOOKS

Suggested  
Text

**THE SHIZZ!**