

Our Antarctica Adventure

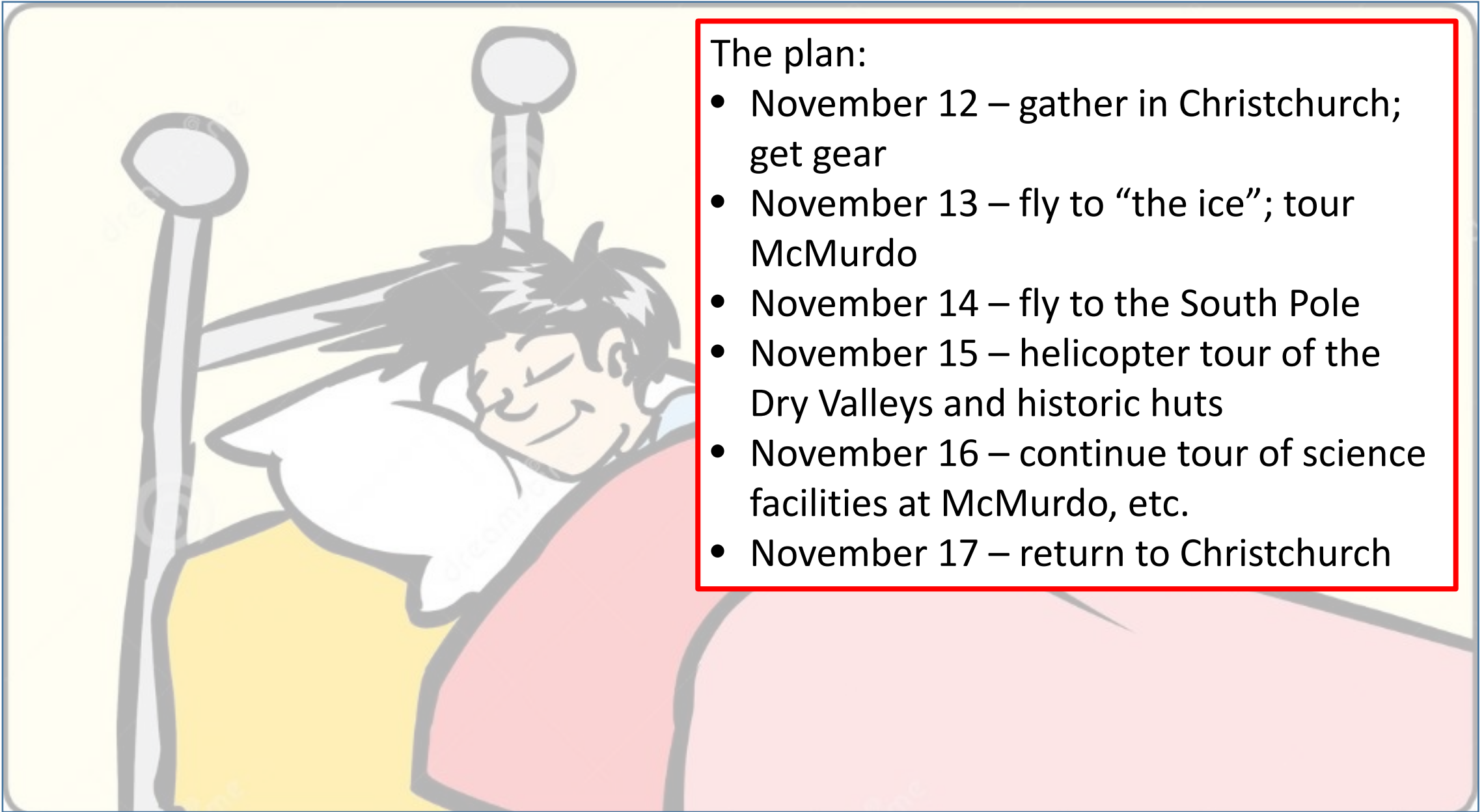
November 2017

Roger Beachy

Victor McCrary

Julia Phillips

Lesson #1: It's not easy to get to Antarctica!



The plan:

- November 12 – gather in Christchurch; get gear
- November 13 – fly to “the ice”; tour McMurdo
- November 14 – fly to the South Pole
- November 15 – helicopter tour of the Dry Valleys and historic huts
- November 16 – continue tour of science facilities at McMurdo, etc.
- November 17 – return to Christchurch

Lesson #1 (cont.): ...or to get around once you're there!

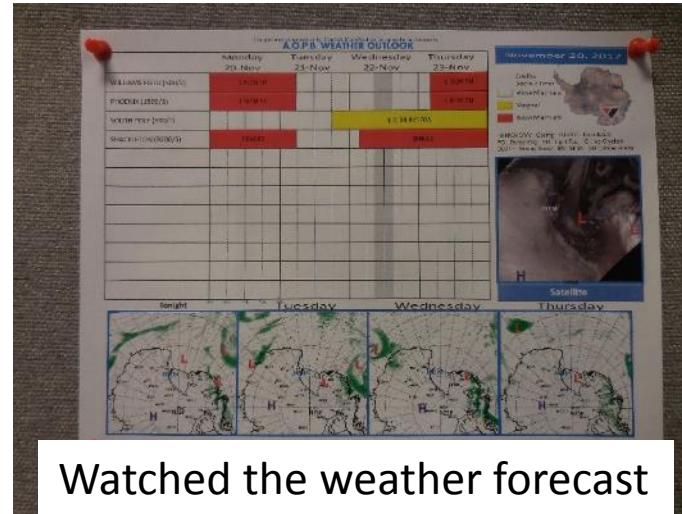
What really happened:

- November 12 – gather in Christchurch; get gear
 - November 13
 - November 14
 - November 15
 - November 16
- NO FLIGHTS!**
- November 17 – **FINALLY – fly to McMurdo!!**
 - November 18 – truncated tour of Dry Valleys and historic huts
 - Scott Base tour & dinner
 - November 19 – **NO FLIGHTS**
 - Tour McMurdo facilities & science
 - November 20 – **NO FLIGHTS**
 - more McMurdo facilities and science
 - November 21 – A beautiful day, but... need to clear the runways, so **NO FLIGHT** to Pole
 - tour NASA facilities
 - Late return to CC on NZ AF plane
 - November 22 – **Dawn & Scott get to Pole!**
 - November 23
 - November 24
 - November 25
 - November 26
- NO FLIGHTS (weather)**
- NO FLIGHTS (Thanksgiving)**
- November 27 – **Dawn & Scott return to CC!**

So what did we do while we were waiting for the weather to clear?



Informal Seminars and Practice in Adaptability



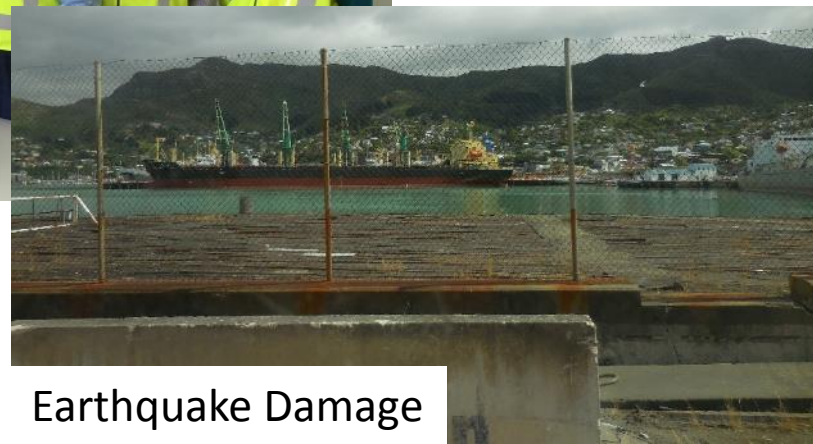
Watched the weather forecast



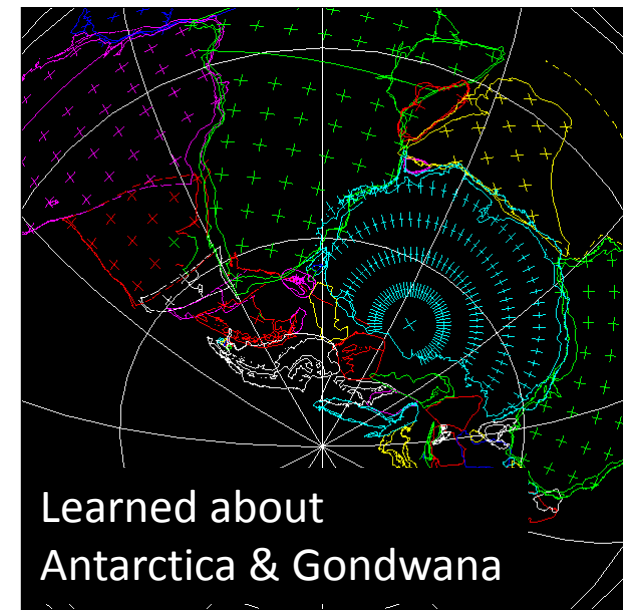
Learned about infrastructure, especially telecom & IT



Port Tour



Earthquake Damage



Learned about Antarctica & Gondwana

But most of us did make it to the ice!



And Dawn & Scott
made it to Pole



Lesson #2: Actually, NOTHING is easy in Antarctica!

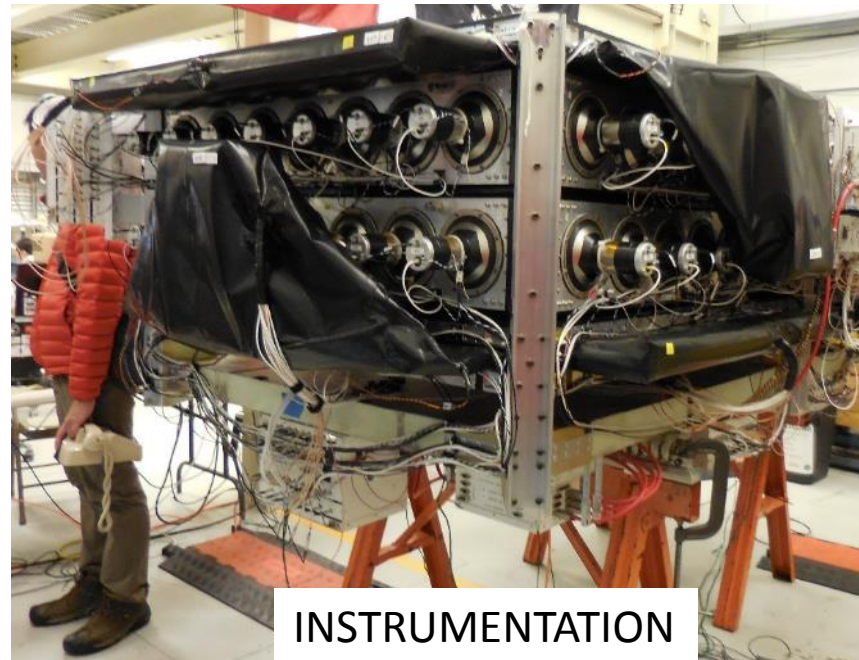
Getting EVERYTHING there...



...and BACK!



FOOD



INSTRUMENTATION



HELICOPTERS

Lesson #2 (cont.): Field Work



Lesson #2 (cont.): Outfitting for Field Work



Tents, sleeping bags, etc.



Cooking equipment



Tools



Power



Transportation



Etc.

Lesson #2 (cont.): Safety in the Field... and at McMurdo



Monitoring of Field Teams



(There are fire trucks, too)

Lesson #2 (cont.): Even Fun...



Lesson #3: It takes a **VILLAGE** and **BELIEF IN THE MISSION**



Telecom



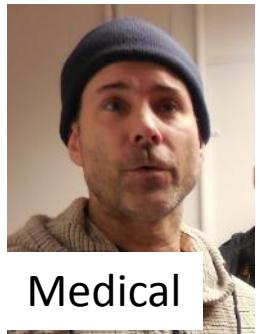
Field Outfitting



Logistics



Air Force Crews



Medical



Helicopters



Mechanical & Small Vehicles



Big Vehicles

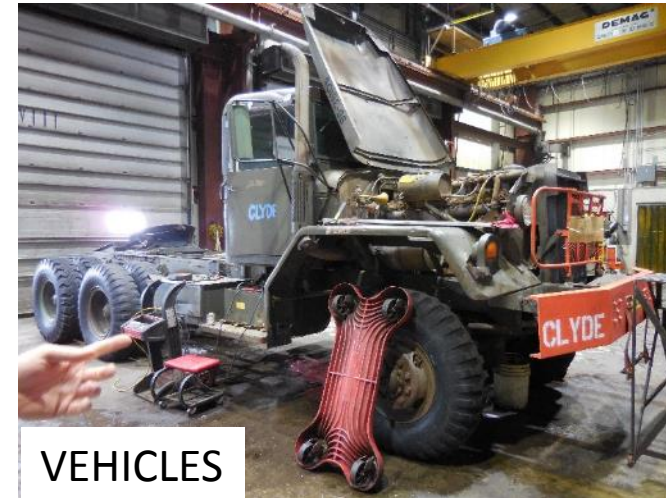


NASA Balloons



Air Traffic

Lesson #3b: ...Especially with outdated infrastructure



Lesson #3: It takes a VILLAGE and BELIEF IN THE MISSION



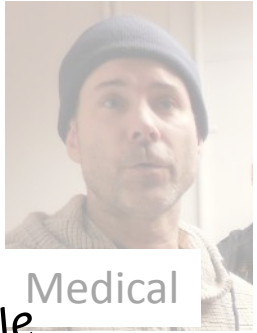
Telecom



Field Outfitting



Air Force Operations



Medical

QUESTION: How can we preserve the strong and special sense of community with upgraded connectivity to the rest of the world?
asked by an IT professional returning from McMurdo & pole



Biology & Environmental Science



Logistics



Helicopter Operations



NASA Balloons

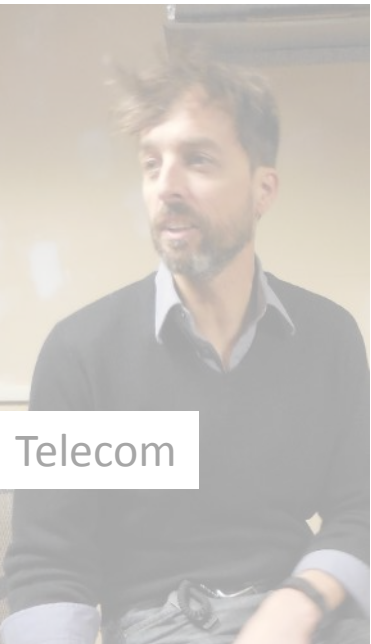


Air Traffic

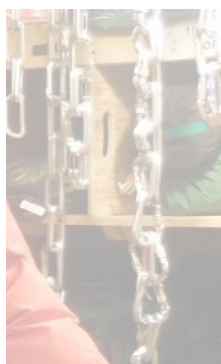


Mechanical & Small Vehicles

The VILLAGE needs magnets to pull it together



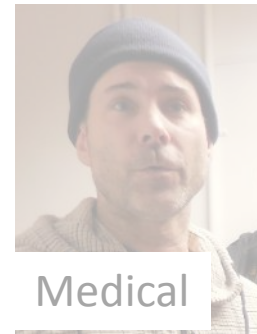
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Field Outfit



NASA Balloons

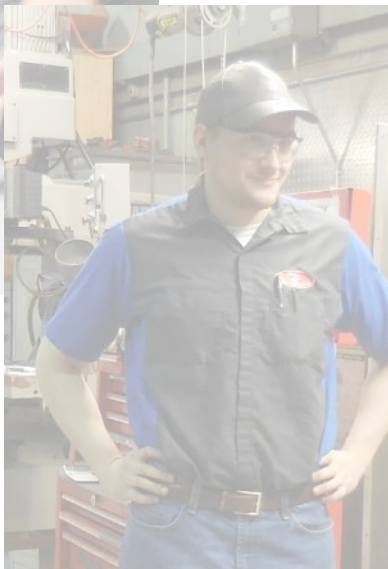


Medical

Helicopters



Mechanical & Small Vehicles



Lesson #4: The science is awesome and varied... and so are the performers



Thank you!

