Video

Appalachian Trail, Northern Massachusetts - 2016 Inner Backpacker series

Introduction to Backpacking Worcester Chapter

ANC

Welcome!

- Facility
- Who the heck is teaching this stuff, anyway?
- What are you looking to get out of this workshop?
- Why is it a good thing that you're here?

AGENDA (8am-5pm)

- Preparation for Backpacking
- Setting Up Camp Scenario
- Camping Equipment
 - Gear Breakout
- Leave No Trace (LNT)
- Emergency/Medical Info
- Cooking Equipment
 - o Gear Breakout
- Clothing, Other Gear
 - Gear Breakout
- Hiking the AT
- Upcoming Hikes/Wrap Up/Questions

And now a word from a graduate...

Bill Grant

Prepare for Backpacking Jose Schroen

AMC

Preparation for Backpacking

- You will carry all your gear
 - Ultra-lite under 25 lb
 - Light 25-30 lb
 - Regular 30+ lb

Ο

- You cover many miles and climb many hills
 - Short trips 1-5 miles a day
 - Long trips 8-20 miles a day
 - Start easy and work your way up

Preparation for Backpacking: Fitness

- A good level of fitness is essential for injury prevention and trip enjoyment
- Start with:
 - Add strength training to your cardio
 - Can be as easy as hiking with additional weight
 - Helps to make sure your pack is comfortable
- Good exercises at the gym:
 - Lunges, squats, burpees
 - Multi-muscle-group arm exercises
 - Walk using incline on treadmill >5%

Preparation for Backpacking: Skills

- Map & Compass
- Backcountry cooking
- Learn from friends and AMC groups
- First aid outside the Golden Hour

Preparation for Backpacking: Risk Management

- Check for trail closings, reroutes, alternate routes
- Identify bail out options in case something goes wrong
- Leave detailed plans with someone who can start emergency procedures if you get into trouble

Environment Assessment & Setting up Camp Chris Fogarty

Where to go Backpacking

- Mid-State Trail (some)
- Tully Trail
- New England Trail (aka M&M Trail)
- Monadnock-Sunapee Trail (SW-NH)
- Appalachian Trail (CT, MA, VT, NH, ME)
- Berkshires (Mt. Greylock, Taconic Crest Trail)
- Long Trail (VT)
- White Mountain National Forest (NH, ME) Pemigewasett Wilderness Wild River Wilderness Area

Environmental Assessment

The backpacking trip starts before you leave...

- Weather
- Water availability
- Wildlife
- Sun & Moon
- Sun Protection
- Insects
- Navigation
- Remoteness
- Trail Conditions

Choose a Camp Site: Main Goals

- Don't disturb the environment
- Pick a safe site
- Anatomy of a camp site
- Handling water
- Dealing with human waste

Choose a Camp Site: The Environment

- Research options ahead of time
- Use existing campsites and shelters
- If you have to choose your own site

Note: Many trails prohibit stealth camping – know the rules.

Choose a Safe Camp Site

- Flat area
- Check for rocks
- No over hanging branches
- Look for signs of running water
- Avoid swift running water that might flood
- Animal signs?
- Water source near by?
- Existing latrine?

Anatomy of a Camp Site

- Tent location
- Make yourself comfortable
- Backpack
- Cooking area & washing dishes
- Campfire
 - Tarps
- Keep animals away

Choose a Camp Site: Water

- Purify all water
- Running water works best
- Be prepared for low water levels
- Personal hygiene

Choose a Camp Site: Washing Dishes

- No detergents or soap are safe for the backcountry
- Illness from contaminated dishes is a major cause of backcountry illness
- Cooking with little cleanup is best
 - Zip-lock bag cooking
- If you do dishes:
 - Use as little water as possible
 - Pack out your scraps
 - Dispose of grey water away from water sources

Choose a Camp Site: Human Waste

- Many back country sites have been lost because they became bio-hazards
 Use outhouses where possible
- Someone has to clean them, so don't put anything but human waste and toilet paper in them
 - If there is no outhouse....dig, poop, stick
 - How to "poop in the woods"
 - No bowel movements = BAD

Bear-muda Triangle



Before we talk about all the shiny stuff...

THE INSPIRING STORY OF THE WOMAN WHO SAVED THE APPALACHIAN TRAIL

GRANDMA

GATEWOOD'S

BEN MONTGOMERY

a fait plant

15 Minute Break

nent

Camping Equipment Chris Fogarty

AMC

Camping Equipment: The big stuff

- Backpack
 - There are different sizes? (Capacity)
 - There are different sizes? (Fit)
 - Try before you buy, with weight!
- Shelter
 - Tent body
 - Rain fly
 - Ground cloth do I really need one?
- Sleeping bag/sleeping pad/bag liner
- Bear bag
- Space blanket for emergencies
- Clothing for all weather, especially WET (more later

But how do I keep all this stuff dry?

Camping Equipment: The little stuff

- Map
- Compass
- Trail map
- Pocket knife
- Whistle
- Headlamp
- Matches/Fire starter
- First Aid Kit
- Toilet Paper
- Cat hole shovel/trowel (LNT)

"Oh Crap!" Kit (aside from First Aid)

- Boot laces
- Duct tape
- Water purification tabs
- Spare bandana
- Zip ties
- Extra batteries
- Repair kit (sleeping pad, others)
- Hunter's hot packs (seasonal)
- Spare Ziplock bags

Camping Equipment – The "other" stuff

- Dining fly/tarp for cook area cover in bad weather
- Hiking poles
- Camera
- Sunscreen/Sunglasses
- Insect Repellant
- Pencil/paper
- Cell phone airplane mode if using as camera
- Backup battery/charger if using phone as camera
- Bandana
- Chapstick
- Hand sanitizer

Personal effects:

ID/license Printed list of meds Insurance card Money Contact #'s Car keys AAA card (leave in car)

GEAR BREAKOUT!

- Backpacks
- Shelters
- Poles
- Sleeping Systems

Leave No Trace (LNT) Kim Beauchemin

AMC



AMC



Conservation: Core to our Mission

Founded in 1876, the Appalachian Mountain Club promotes the protection, enjoyment, and understanding of the mountains, forests, waters, and trails of America's Northeast and Mid-Atlantic regions.

We believe these resources have intrinsic worth and also provide recreational opportunities, spiritual renewal, and ecological and economic health for the region. Because successful conservation depends on active engagement with the outdoors, we encourage people to experience, learn about, and appreciate the natural world.

7 Principles of LNT

- Plan Ahead / Know Before You Go
- 2. Travel and Camp on Durable Surfaces.
- 3. Dispose of Waste Properly
- 4. Leave What You Find
- 5. Be Careful of fires
- 6. Respect Wildlife
- 7. Be Kind and Respectful of Others

Learn More @ LNT.org





Emergencies and Medical Info Chris Fogarty

AMC
Emergencies and Medical

In spite of the most careful planning, bad things do sometimes happen.

- The leader must be in charge!
- Be upfront about medical conditions before the hike
- Be prepared
- Most common injuries:
 - Blisters
 - Ankle/knee sprains
 - Scrapes and blood
 - Dehydration/exhaustion/hypothermia

Emergency Scenarios

- Lightning
- Severe dehydration/heat exhaustion/hypothermia
- Wasp/bee stings
- Burns larger than a quarter
- Severe poison ivy
- Infection from injuries

Consider becoming **WFA certified**! Go to amcworcester.org for more info.

Use common sense - if it needs to see a doctor, time to evacuate

First Aid Kit

- Band-Aids
- Moleskin
- Adhesive Tape
- Gauze
- Bandanas
- SOAP note
- Paper/pencil
- Neosporin
- Ko-flex tape

- Alcohol wipes/lodine (optional)
- Knife/scissors
- SAM splint (optional)
 - Tampon
- Nitrile gloves
- Tweezers
- Safety pins
- Spare ziplock bags (waste)

Cooking in the Backcountry Chris Fogarty

AMC

Food

- Consider calories, prep, fuel/water needs & taste
- 3 Squares nutrition on the trail
- Snacks Assortment of nuts, bars, dried fruit
- Don't diet!
- Get food that's nutritious, that you'll want to eat
- Simple and lightweight Pre-pack food to eliminate waste
- Approximately 2 lbs/per person/per day

More on Food

- Bugs, Bears and "Mini-Bears" (rodents), oh my!
- Use bear boxes, if provided
- Use bear canisters, if required!
- Bear Bag learn how at our Gear Shakedown!

Hydration

- Hydrate before the hike!
- Avoid dehydration, hypothermia (cold) and hyperthermia (heat) illness
 - Normal activity ~2 liters/day
 - Hot temps 3.5 liters/day
 - Heavy exercise 6.6 liters/day
- Drink water early and often
- Add electrolytes!
- Many hydration systems:
 - Bottles, Nalgene or plastic
 - Camelback/reservoir system

Potable Water

- Filters (Giardia, Cryptosporidium)
- Purifiers (UV, SteriPen (Ultraviolet (UV-C) MIOX))
- Iodine tablets
- Chlorine dioxide (Aquamira)
- Boiling

** Leverage municipal/potable water when you can

Cooking Equipment

- Cooking system (stove)
- Pot/pan/utensils
- Dining Fly
- Other items that can be shared?
- Individual or group gear—it's up to you
- Food that you don't have to cook is an *option*

Fuel

- White gas or alcohol stoves:
 - Warm weather ~5 oz of fuel per person/day
 - More in cold weather
- Canister stoves:
 - Start with fresh canister or have back-up
 - Weigh canister before use and then after to know how much fuel you have used/left. Mark the canister accordingly
- Esbit:
 - Fuel tablets they smell bad :-(
 - 1 tab to boil 2 cups of water (~8min)

GEAR BREAKOUT!

- Stoves
- Cooking systems (pots)
- Hydration systems
- Water filtration (potable water)
 - options

15 Minute Break

nent

Clothing and Personal Effects

AMC

Jose Schroen

Clothing for Backpacking

- Prepare for the worst weather- dressing in layers:
 - Base layer synthetic or wool
 - Insulation layer -synthetic or down
 - Environmental layer ultralight vs. other
- Rain gear: dry = warm, warm = 98.6
- Boots broken in, waterproof/breathable
- Hat/Sunglasses

For a typical backpacking trip...

- 1 short-sleeve shirt
- 1 long-sleeve wool shirt or synthetic (mix and match)
- Underwear: wool or polypropylene
- Trekking pants (long, venting possibilities)
- Bug shirt (long sleeve)
- Underwear
- Socks
- Boots choose wisely

For a typical backpacking trip continued...

When you stop:

• Insulating Layer – wool, down, fleece

Weather:

 Rain Jacket (UL vs. other)
 Vented pits, adjustable hood with bill, "breathable", needs to keep you warm

Rain Pants
 Hat & Gloves!

When you sleep:

- Shirt (long or short sleeve, comfortable)
- Pants (long or short)

Personal Hygiene

- Baby wipes
- Hand sanitizer
- Nail file/clippers (on your knife?)
- Dental care/floss
- Plastic mirror (for emergencies too!)
- Feminine issues
- Camp towel
- Glasses/contacts

GEAR BREAKOUT!

- Clothing
- Personal Gear
- Oh Crap Kits, etc

Perspectives on hiking the AT...



What is the Appalachian Trail (AT): Fast facts

Travers City

Michigan

Lansing

Fort Wayne

ndiana

alis Or Warren

Louisville

ama

ntoomer

Ann Arbor

Lexington

Knoxvill

Georgia

Kentucky

Ohio

Mississauga o O Torent

Hamilton

Pittsburg

London

West

Quebec Ci

lampshir

achusetts oBosto

Rhode Island

Acadia

OMontrea

Vermont

ecticut

New York

New Jersey

Delaware

Norfolko Virginia

Pennsylvania

lichmond

Virginia

Greensboro

South

Augusta

North

- The AT is one of Three major long-distance trails in the US (AT/CDT/PCT)
- The AT is 2,195 miles long and getting slightly longer each year with reroutes. When I started hiking the AT it was 2,175 miles long
- The AT crosses through 14 states.
 - Georgia
 - North Carolina
 - Tennessee
 - Virginia
 - West Virginia
 - Maryland
 - Pennsylvania
 - New Jersey
 - New York
 - Connecticut
 - Massachusetts
 - Vermont
 - New Hampshire
 - Maine

AT Factoids...

Appalachian Trail fast facts:

- The longest state is Virginia with 554 miles of the trail passing through it
- The shortest state is West Virginia with 4 miles
- The trail straddles North Carolina and Tennessee border for ~225 miles. NC has the tallest peak on the trail at 6,643 feet
- The first thru-hike was done in 1948 by Earl Shaffer. The first thru-hike by a woman was done by Emma "Grandma" Gatewood in 1955 at 67 years of age There are two major ways to do the trail:
- Thru hike it or hike the entire trail in one season
 - Thru hikes can be done NOBO (northbound), SOBO (south bound) or as a "flip-flop" (half one direction and half the other)
 - Thru hikes take on average 165 days from start to finish
- Section hiking Doing the trail a piece at a time over a number of years
 - Section hikers that do extended section hikes have become affectionately known as "Lashers" or "long-ass section hikers"
- In 2016 there were 4,233 thru-hike attempts. On average 25% drop out within the first 30 miles. 45% drop out after doing half the trail and only about 20% finish.
- 1,001 finished the trail in 2016 of which 154 were section hikers
- 25% of Thru-hikers are women

How do you follow the AT...

- The AT is well marked with white, rectangular Blazes
- Side Trails are marked by Blue Blazes
- Many well documented guidebooks such as:
 - The ALDHA Thru-hikers' Companion and ATC (Appalachian Trail Conservancy) maps
 - AWOL's "The A.T. Guide"
 - Guthook's AT guide (smart phone app)



An original AT marker



Ohhh Noooooo, What the hell am I doing?????

How we hope to feel most days on the trail

Hiking the AT... How I got Started – Philmont 2001

August 2001 WELCOME BACK - YOU MADE IT !

Hiking the AT...How I got Started, AKA my reality "gut" check



Hiking the Entire AT...The idea is planted



Cirque Productions Presents TREK

A Journey on the Appalachian Trail

Hiking the AT...Beginnings and first impressions

Initial trips one to five days long with simple trip plans and logistics

- Love of being outdoors
- Simplicity of lifestyle
- Adventure and time with my son
- Going new places and seeing new things
- Learning new skills

Hiking the AT...What it has become

- Multi-week trips requiring day long travel to get to the trail
- Extensive training, planning and logistics with multiple food drops
- Social experience lifetime friendships
 - Trail Community-family-Diversity
- Restored faith in humanity
 Paying it forward

Interest in flora, fauna and geology

• "Hike your own hike" - Tolerance

		Miles from Springer	Distance between way- points	Cumulative daily miles	Cumulative Trip miles	Elevation	Elevation change	Daily Elevation change	Features	Services	Miles from Katahdin
Friday 4/21. Travel day			Delta Flight#	1880 Departs E	305 at 9:45AM	. Arrives in Al	"L at 12:40 PM		Staying first night at AT Hiker Hostel. 770-312-7342. www.hikerhostel.com Mail drops (USPS) PO box 802 / FedEx or UPS 7693 Hwy. 19N, Dahlonega GA 30533 Pick-up in Atlanta and shuttle to Trail head Sells fuel canisters, alcohol and white gas		
	-	1.0	0.0			3,350	-		USFS 42, Big Stamp Gap (3,350')	R, P	2,188.1
Saturday 4/22 Day one	southbound back to springer	0.2	as			3,730	.387		Springer Mountain Shelter 1993 sleeps 12. Tent pads. Water source is spring near shelter (3,730') <i>I.97:S: 371</i> / Benton MacKaye Trail (southern terminus)	E-0.2m S, C, v	v 2,188.9
		0.0	a2			3,782	52		Springer Mountain (3,782')A.T. bronze plaque, register in rock		2,189.1
	Northbound after tagging southern Terminus and signing register	0.2	a2			3,730	52		Springer Mountain Shelter (3,730') <i>I.ຈິກເຊົາເຈົ້າເປັນ</i> Benton MacKaye Trail (southern terminus)	E - 0.2m S, C, v	v 2,188.9
		1.0	<i>Q8</i>			3,350	380		USFS 42, Big Stamp Gap (3,350')	R, P	2,188.1
		1.9	<i>Q9</i>			3,430	80		Benton MacKaye Trail (3,430')		2,187.2
		2.8	<i>a9</i>			2,870	560		Stover Creek Shelter (2,870') <i>3n5:5.7mV</i> 2006 sleeps 16. Tent pads bear cables. Water source is creek	E - 0.2m S, C, v	
s	۱ " <u>ق</u>	3.8	10			2,660	210		Stover Creek (2,660')	W	2,185.3
		4.2	Q.4			2,580	80		Benton MacKaye Trail (2,580')		2,184.9
	Ĩ	4.3	a1			2,530	50		USFS 58, Three Forks (2,530')	R, C, w	2,184.8
	port	5.2	<i>Q9</i>			2,800	270		Side trail to Long Creek Falls, junction with Benton MacKaye and Duncan Ridge trails (2,800')	W	2,183.9
	5	6.2	10			3,000	200		USFS 251, Hickory Flats (3,000') picnic pavilion, camatary	R	2,182.9
	z ↓	7.4	12			3,250	250		Hawk Mountain Campsite (3,250') new 2016 30 tent pads, privy and water	W-0.2m C, w	2,181.7
		8.1	a.z	9.1		3,200	50	2,614	Hawk Mountain Shelter (3,200')5.8mV 1993 sleeps 12. Camping limited here as of 2016. Water off BB trail behind	W- 0.2m S, C; 0.4m w	2,181.0

Hiking the AT...Injuries and challenges

- Heart Condition
- Lacerated cornea (injured on trail)
- Broken big toe
- Torn Hamstring

- Hernia
- Foot and Knee injuries
- Weather, Miles and Geography
- Gear failure

The trail motivated me to overcome or manage these obstacles



Highlights of hiking the AT...Massachusetts

Highlights of hiking the AT...Vermont (AKA Vermud)



Highlights of hiking the AT...New Hampshire



Highlights of hiking the AT...Maine





Highlights of hiking the AT...Maine

Highlights of hiking the AT...Maine



Highlights of hiking the AT...New York



Highlights of hiking the AT...New Jersey


Highlights of hiking the AT...Pennsylvania



Highlights of hiking the AT...West Virginia/Maryland



Highlights of hiking the AT...Virginia



Highlights of hiking the AT...Virginia



Highlights of hiking the AT...GA, NC & TN



Highlights of hiking the AT...The People



Hiking the AT...

Top 10 most common questions I get about hiking the AT:

- Where do you sleep?
- How do you get food? What do you eat?
- How do you get back to your car?
- How do you carry that much water to last two weeks?
- How can you carry enough clothes for two weeks?
- Aren't you afraid of (animals, snakes, crazy people.....etc.) – No Bear Brothers!
- How do you get a shower?
- You do this on vacation (for fun)?
- Where do you (go the bathroom) Poop?
- Do you carry a (weapon) Gun?

Let's Review...

AMC

Kim Beauchemin

Wrap Up/What's Next?

AMC

Joe Massery

Signing Up for Trips

- AMC activities: outdoors.org on-line trip listing web site
- Search for "Inner Backpacker" and Worcester Chapter
- Contact Registrar and mention that you took this workshop
- Be prepared for screening process:

Ο

- Answer screener's questions honestly for your sake and the sake of the others on the trip
 - Your experience, previous trips
 - Your fitness level
 - Your gear
 - Ask your own questions, if not already answered:
 - Hike distances: per day, total
 - Level of difficulty
 - Gear required

Our Practices

AMC-sponsored trips have a lot to offer:

Variety

Ο

- Skilled Leaders
- Safety (listed last, but comes first!)
- Must sign waiver agreement
- Leader and co-leader are in charge
- As a rule, we stay together on the trail

2019 Inner Backpacker Series

All these trips *give preference* to you, but most trips have a limited number of openings and require screening, so sign up early!

- 4/27: Gear Shakedown Upton State Forest
- 5/18-19: Monadnock-Sunapee (Chris, Denise)
- 6/7-9: 13 Falls + Owl's Head (Walt, RickC)
- 6/8-9: AT Berkshires Beartown-Shays (Joe, Teresa)
- 6/15-16: Sandy Neck (Kim, Chris)
- 6/15-16: AT CT Kent Cornwall (Annemarie, John W)
- 7/5-7: AT Berkshires Upper Goose Pond (Joe, Sue S)
- 7/26-28: AT Berkshires Cheshire-County Rd. (Joe)
- 8/23-8/25: AT Berkshires CT-Shays (Joe)
- 9/27-29: Taconic Crest (Paul, Shalin)
- 9/28-29: AT CT (Kim, Denise)

10/11-13: AT Berkshires – Greylock (Joe, Ben)

2019 Other Backpack Trips in the works...

More advanced than Inner BP trips. Normal screening applies:

- 6/22-24: Cohos Trail (Walt, Jose)
- 7/6-7: Mt. Isolation (Neil, Annemarie)
- 7/12-14: Sandwich Wilderness (Walt, Ruth)
- 8/1-4: AT/Long Trail to Hanover (Neil, Sue S)
- 8/6-7: Owl's Head (Annemarie, Bill)
- 8/9-11: Mt. Isolatoin (Jim W)
- 8/15-17: AT Berkshires Cheshire-Rt. 2 (Chris, Shalin)
- 9/6-9: AT Hanover to over Moosilauke (Neil, Sue S)
- 9/7-9: Wild River Wilderness (Walt, RickC)
- 9/28-30: Bonds (Jim W, Debi)
- More BPs being planned (dates and details tbd)
 - MSG
 - Whites
 - Vermont
 - MST
 - ME or VT or NH (4-6 nights)

In Closing...

Get out there, do some backpacking, and have fun!

- If you brought your gear and you'd like an assessment, let our experienced backpackers look it over
- Feel free to follow up with any of the presenters and other leaders who are here

Appendix

AMC

Gear Comparison Resources

- Backpacks: <u>https://www.outdoorgearlab.com/topics/camping</u> -and-hiking/best-backpacks-backpacking/buying-advice
 - Tents: <u>https://www.outdoorgearlab.com/topics/camping-and-hiking/best-backpacking-tent/buying-advice</u>
- Hammocks: <u>https://www.outdoorgearlab.com/topics/camping-and-hiking/best-hammock/buying-advice</u>
- Sleeping Bag: (First think about the way you sleep. Then read this:) <u>https://www.rei.com/learn/expert-advice/sleeping-bag-backpacking.html</u>

Gear Comparison Resources

- Water Purification: <u>https://sectionhiker.com/sectionhiker-gear-guide/10-best-backpacking-water-filters/</u>
 Cook
 Equipment: <u>https://www.theadventurejunkies.com/best-</u>
 - backpacking-cookware-sets/
- Headlamps: <u>https://www.rei.com/learn/expert-</u> advice/headlamp.html
- Hiking

Poles: <u>https://www.outdoorgearlab.com/topics/camping-and-hiking/best-trekking-poles/buying-advice</u>

Gear Outlets

- New England Backpacker, Worcester
- <u>Sierra</u>
- <u>REI</u>
- New England Backpacker, Worcester
- <u>Sierra</u>
- <u>EMS</u>
- GearTrade
- Steep & Cheap
- OutdoorsGeek (sell and rent gear)
- <u>Massdrop (occasional good deals on line)</u>
- Gear Junkie (gear news, deals)
- <u>Campmor.com</u>
- Left Lane Sports.com
- Backcountry.com
- Walmart! (camping, clothing, misc.)
- Ocean State Job Lots (clothing, food, hand warmers)
- Target (clothing, food)

Backpacking Info

- Sectionhiker Blog and Gear Reviews
- AMC Resources & Training (see bottom of web page)
- Hike Safe: What to take with you on the trail
- The Trek: Preserving and Maintaining Your

<u>Gear</u>

- Insect Shield Repellent Technology
- Lighter Pack (gear tracking, weight tool)

Backpacking Food

- REI: Meal Planning for Backpacking
- <u>The Epicurious Blog: Best Camping And</u>
 <u>Backpacking Food</u>
- YouTube: Backpacking Food Tips
- YouTube: Quick Cheap Meal (two of a million such videos)
- Backpacker Magazine: Cooking
- Backpacker Magazine: Loads of good articles

Site Selection

Backpacker Magazine: How to Choose a Campsite Section Hiker Blog: How to Select a Good Campsite

Packing your Backpack

A sampling of numerous videos:

- https://www.youtube.com/watch?v=6Nle ECzdzxE
- <u>https://www.youtube.com/watch?v=3BH</u> <u>-6UQSVhA</u>
- https://www.youtube.com/watch?v=rq-Rya2AxII

Weather and Trail Conditions

- mountain-forecast.com
- <u>mountwashington.org/experience-the-</u> weather/higher-summit-forecast.aspx
- weather.gov
- timeanddate.com (sunrise, sunset, more)
- AMC Backcountry Weather
- <u>newenglandtrailconditions.com</u>
- trailsnh.com The Whites
- White Mountains Road closure general info
- AT & PCT Weather
- Dark Sky app
- Weather Underground
- http://sun-moon-app.com

Useful Smart Phone Apps

- Maplets
- Gaia
- Guthook
- Star Walk