

MOUNT MONADNOCK

JULY 27, 2006

6AM - 6PM

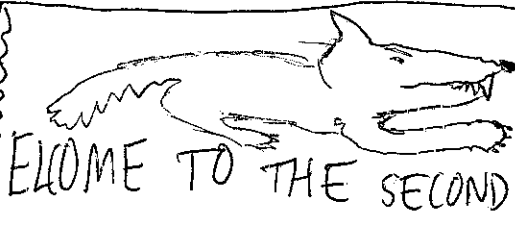
meet @ Brown

THE TIMES FOR THIS TRIP ARE VERY NOTEWORTHY -

LEADERS: NATE KAUFMAN (617) 969-4144

MIKE McLELLAN (617) 244-0998

EQUIPMENT: HIKING BOOTS, 2 PAIRS OF SOCKS, LOTS OF WATER, AND I MEAN LOTS, RAINGEAR, WARM LAYER

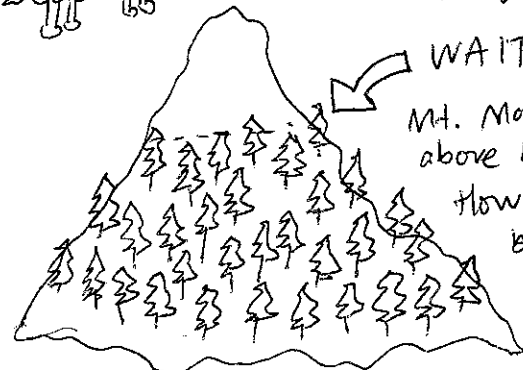
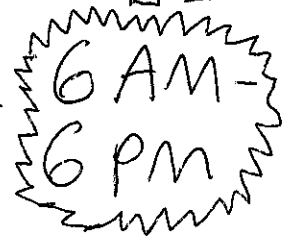


WELCOME TO THE SECOND

PHASE OF THE MOUNTAIN SEQUENCE OF THIS, THE ENVIRONMENTAL SCIENCE PROGRAM, IN THE YEAR OF 2007. WE WILL BE TAKING A BUS UP TO JAFFREY, NEW HAMPSHIRE, WHERE EACH GROUP WILL SET OFF UP A DIFFERENT TRAIL TO REACH THE SELDOM-SEEN SUMMIT OF MOUNT WASHINGTON. AHHAHA. JUST KIDDING. MT. WASHINGTON IS THE MOST CLIMBED MOUNTAIN IN THE WORLD, SO IT'S OFTEN SEEN.

QUESTION OF THE DAY: MOUNT

MONADNOCK, IN ALGONQUIN, MEANS "LONELY MOUNTAIN" WHY DOES IT APPEAR TO STAND ALONE IN ITS SETTING?



WAIT A SECOND!
Mt. Monadnock isn't above 4500 ft.
How can there be a tree line?

Many many years ago, there were several farmers who dwelt at the base of Mt. Monadnock. They owned many a sheep. However, their sheep were oft molested by the wolves who made their homes in the woods of the mountain. At this time, the WHOLE MOUNTAIN was covered in trees, so the farmers said, "hey, you know what would be a really good idea? To burn the wolves out!" So they set the lonely mountain ablaze. Sure, it stopped the wolves for a while, but it also killed off the vegetation and other fauna on the mountain. Even today, the plants that had grown at the top of the mountain have not grown back!

STUPID AGRICOLAE!



In case of emergency, your child will be brought to:

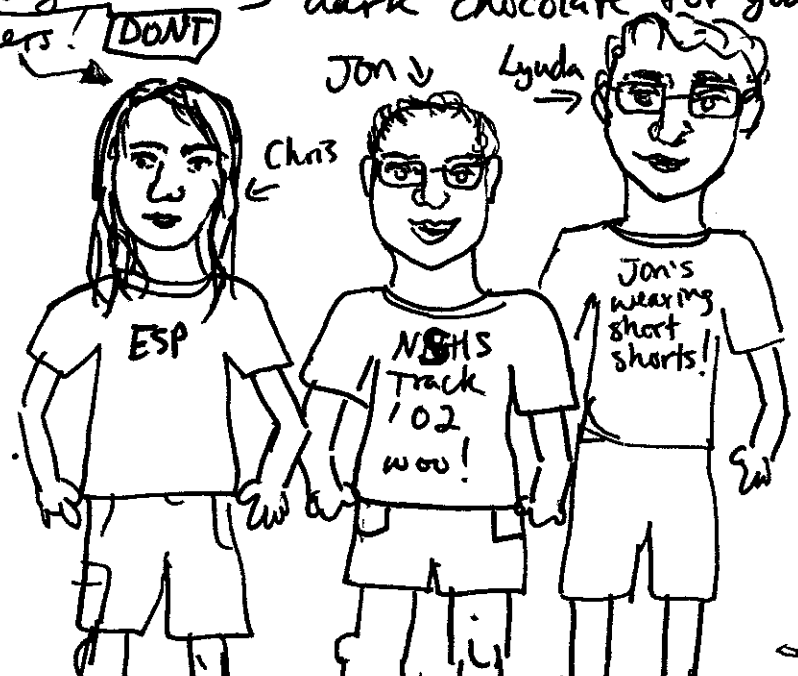
Monadnock Community Hospital: 603-934-2191 • This program must comply with the regulations of the

Times: 6am-6pm
Drop off: Brown MS
Pick up: Brown MS

WALKER

Leaders:
Lynda
617-553-5567
Chris 617-926-0319
Jon 617-645-1379
Equipment:
boots, 2 pairs o' socks,
lots of H₂O, sunblock,
bug spray, big lunch,
rain gear, warm layer, a
sense of adventure, dark chocolate for your leaders!!

I hope you're excited, because tomorrow we will climb our first real mountain of the month! Mt. Monadnock has quite a few interesting facts to its name... * It is the most hiked mountain in the world * It has a bald peak, but that didn't happen naturally; farmers in fact set fire to the trees at the top (stay tuned for the entire story tomorrow), giving Monadnock a false tree line. * Monadnock is, in fact a word in the English language (check dictionary.com!) meaning a mountain or standing alone) before the word... anyways, this is going to be one awesome trip! See you tomorrow at 6! And forget to bring dark chocolate for your wonderful leaders! **DONT**



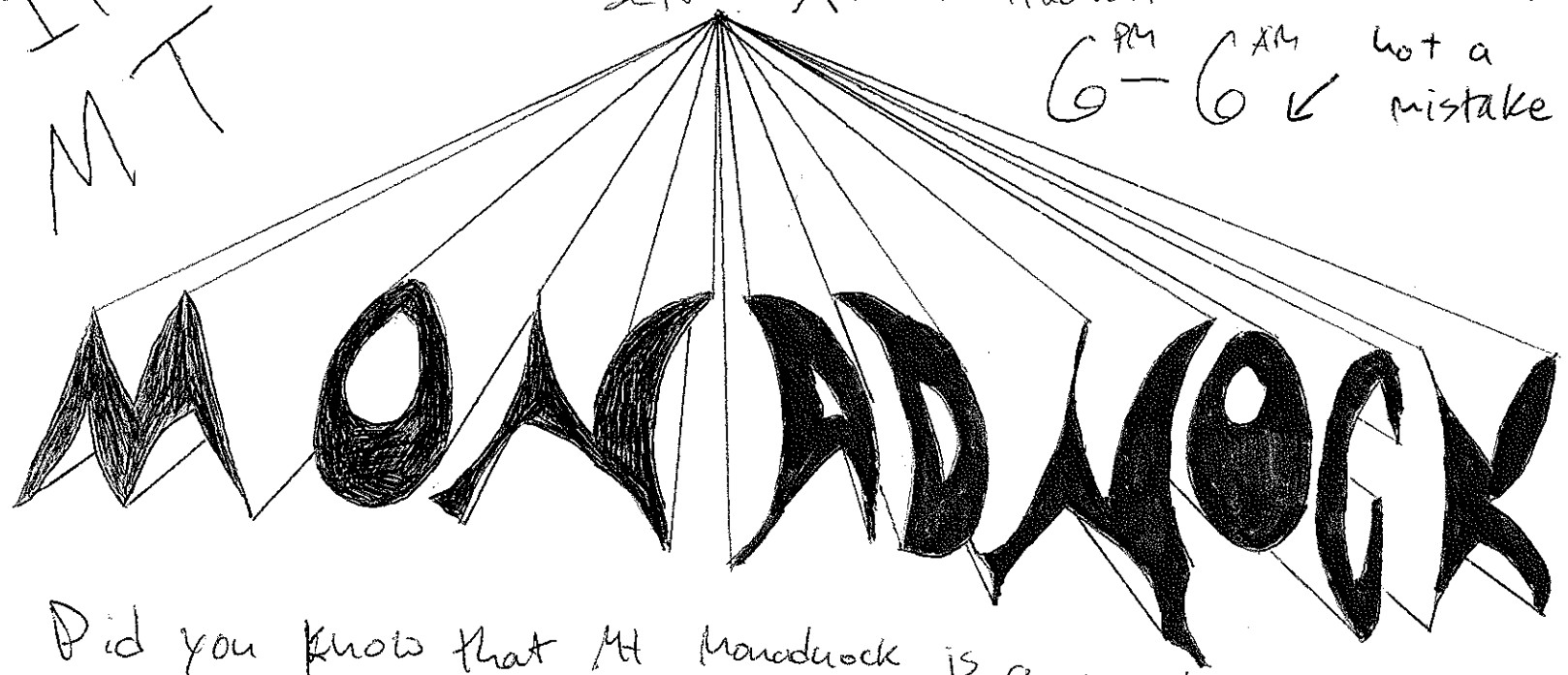
Health Department

Dept. of Public Health and must be licensed by the State of New Hampshire

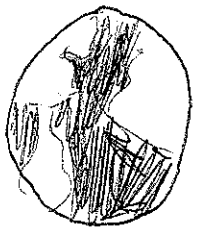
IT'S
MT

Leaders: Justin "The Eliminator" Chenevert 617-965-6888
Jeff "Xtreme" Hueneboender 617-332-9506

6-6^{PM} 6^{AM} ← not a mistake

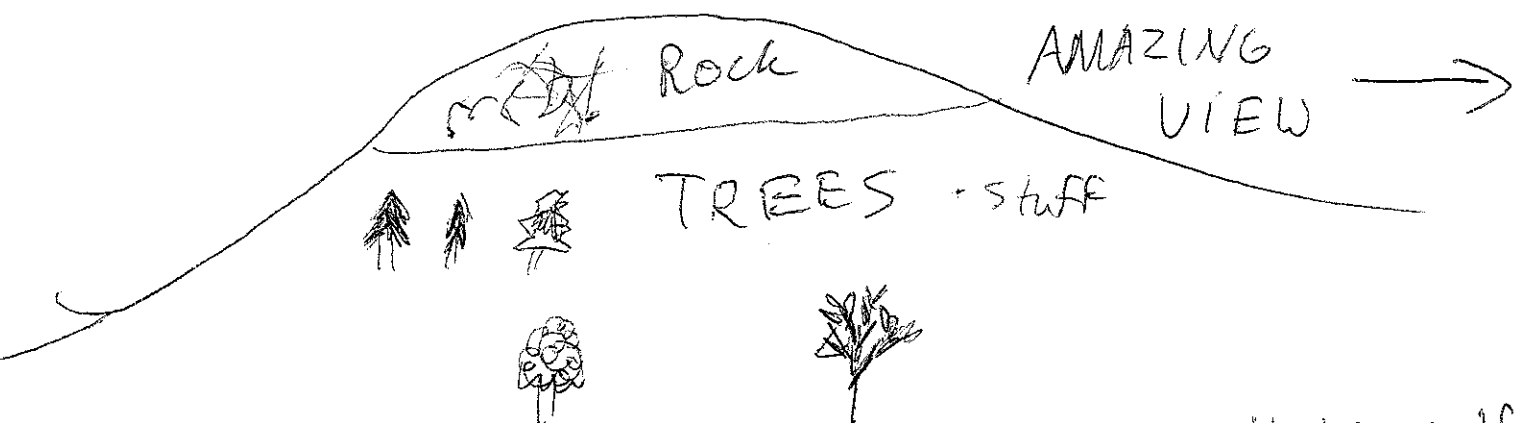


Did you know that Mt Monadnock is a monadnock? More on this later. Monadnock is also the most climbed mountain in the world.



Many of you are probably saying... "I bet there's nothing interesting or unique about Mount Monadnock". Well, you would most certainly be wrong. You see,

Monadnock has a false treeline. Most mountains (like Washington) have a point beyond which trees cannot grow. But on Monadnock, the farmers who had sheep burned the trees above a certain point so that the wolves who ate their sheep could not hide in the woods.



Equip: Boots 2 pairs socks lunch H₂O raingear, Field kit, wolf spray
ETC.

LEADERS: JONATHAN 617-545-1379
 LYUDA 617-558-5567
 CHRIS 617-926-0319

TRIPSLIP #17

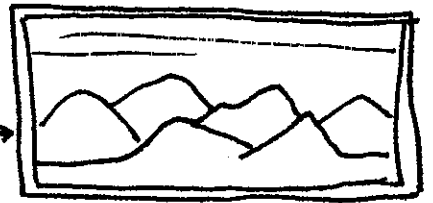
JULY 27, 2006 - Meet @ Brown

TIMES: 6AM - 6PM

BUS TRIP

before erosion:

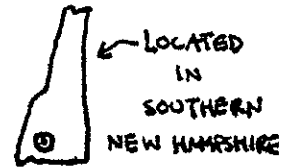
(millions of years ago)



penneplain

"Lone Mountain"

MT. MONADNOCK



LOCATED IN SOUTHERN NEW HAMPSHIRE

EQUIPMENT:

Hiking Boots (w/2 pairs of socks), LOTS OF WATER, HUGE LUNCH, Field Kit: Raingear (top & bottom), First Aid Kit, etc., a warm layer, GORP (trail mix), Sun screen, bug spray.

S

O, WE'RE FINALLY DONE WITH THOSE pesky BLUE HILLS. Now it's time for a real mountain. Mt. Monadnock is 3165 ft tall, and has a tree line.

But, if you look at the Mountain Zonation you'll notice most tree lines start well above this (4000-4500 ft), we'll discuss why this is...

but here's a hint: wolves, farmers, fire. other things we will talk about: erosion, and the formation of Mt. Monadnock, Mountain Zonation (w/ more to come on Mt. Washington (4 days!)), and how we measure mountain heights then & now. Here's a preview:

3165 ft

tundra krumholz

5000 ft

Balsam fir-dwarfed trees

4500 ft

Treeline

4000 ft

SUBALPINE FOREST

2500-4000 ft: Red Spruce, Balsam fir, paper Birch

FURRY FOREST (shhhh...)

2100 ft

CONIFERS AND DECIDUOUS

1500 ft

TRANSITION FOREST: up to 2500 ft.

NORTHERN HARDWOOD FOREST: maple, beeches, yellow birch

ALTITUDE MEASUREMENTS

Back in the day:

• geometry/trigonometry

using angles, distances & triangles.

Other, more modern methods:

GPS altimeter, satellite, radar, air density difference calculations, trigonometry w/ light/laser assistance.

MOUNTAIN ZONATION

MONADNOCK

(oh, by the way, the real name is Mount Monadnock, FYI)

Equipment:

- Boots, wear
- 2 pairs of
- socks, tons
- of water,
- Big Lunch,
- Rain Gear,
- 1st Aid Kit,
- Sun Block,
- Bug spray,
- Warm!!
- Layer!!

It's COLD

Trip 16

Thursday
July 27,
2006

A smurf?

yes?


SS (No!)

Your leaders: (that's right, us again)

So who of Jeff "rev" DeCew: 857-205-4723
you students Avin Hunter - Sklar/holtz
Knows algorithms: 617-928-3457
Nobody? That's ok, bec

All we need to know is ^{random people}
that monadnock, run. ^{random people}
So, algonquin, means: A little bit of
Awesome Lonely Mountain. I know!
Jeff, tell me
Why monadnock is

So Lonely! Okay, I will. Monadnock used to
be totally underground. In fact the whole mountain
was a bunched up anomaly in the bedrock, buried
in soil. Then the soil eroded away, leaving
a big empty plain with a bump in the
middle. The mountain is made up
of hard rocks that
soil eroded - don't erode.
Soil exposed
Some bedrock
Some bedrock
Some soil
Some soil
Some soil
Some soil



6000? We'll see
N. 1000 ft
So
to get up to NH
to hike
Mount Monadnock.

What is cool
about monadnock?
Well, it is mainly
to prep for washing
ton and to get
the great view.
but also we
can teach you
some cool
stuff.

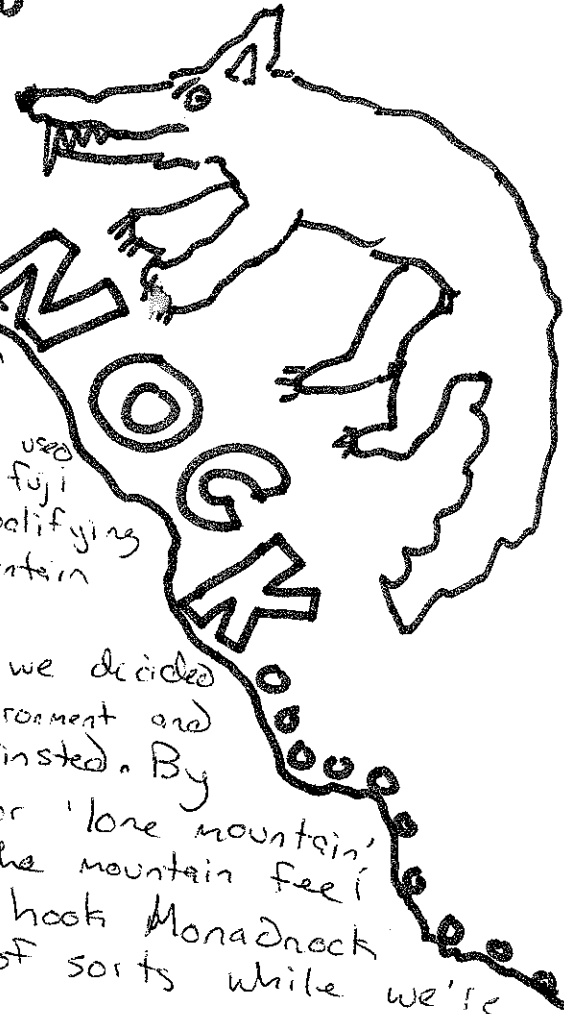
Dept. health services
city the by license
be and health pub. of
dept. mass. the of - letters
must program this
(603-924-7191) hospital
Comm. Monadnock to
brought be will child
your emergency
an of case in

Leaders: Jeff Humerick (617-332-9506)
Justin Chenevert (617-965-6378)

Times: 6am-6pm
Place: Brown MS
Bringies: Food, lots of
water, heavy socks,
warm layer, raingear,
boots

MIT.

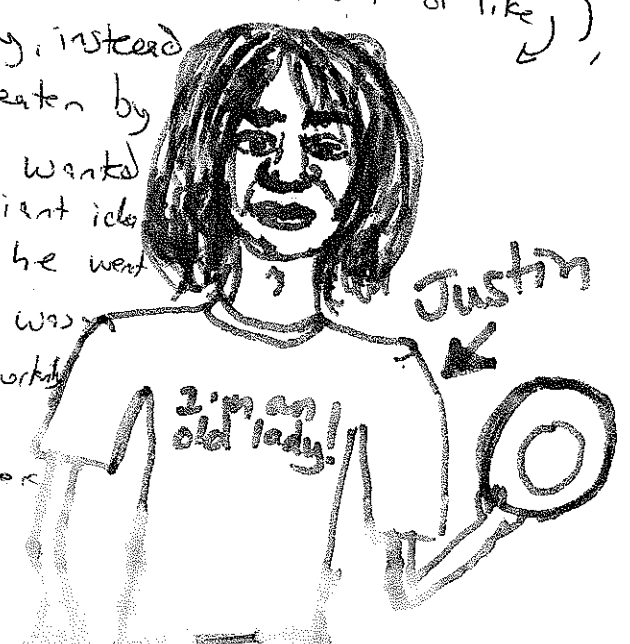
MONADNOCK



This Mountain has recently been dubbed "The most climbed Mountain in the known universe by humankind." This exact title used to belong to Mount Fuji until Fuji had a road installed, thus disqualifying it from the most climbed mountain competition.

Instead of driving up Mt Fuji, we decided it would be better for the environment and cheaper for us to hike Monadnock instead. By the way, Monadnock is Algonquin for 'lone mountain' so we must make sure to make the mountain feel loved by us. Also, maybe we can hook Monadnock up with another lonely mountain of sorts while we're at it.

When we're climbing, you may perhaps notice the lack of trees once we reach a certain point. While most tall mountains do have a treeline once you reach 4500 feet, Monadnock has one when its peak is only 3165 feet tall. You'd think there'd be a boring story behind it, but in this one unique case, it is actually kind of cool. You see, there was this old man (sort of like), who was a farmer atop the mountain. One day, instead of keeping his sheep alive, he let them get eaten by many a wolf. Yes, that is a wolf. Farmer John wanted to keep these wolves away he got the brilliant idea to keep them away by use of fire. So, he went round burning and burning until there was nowhere for the wolves to hide, and, inadvisedly he created a false treeline atop the mountain. Then, he salted the ground where the trees grew. Then went around burning things for the remainder of his life, for the wolves had bitten him mad.



Trip slip #16

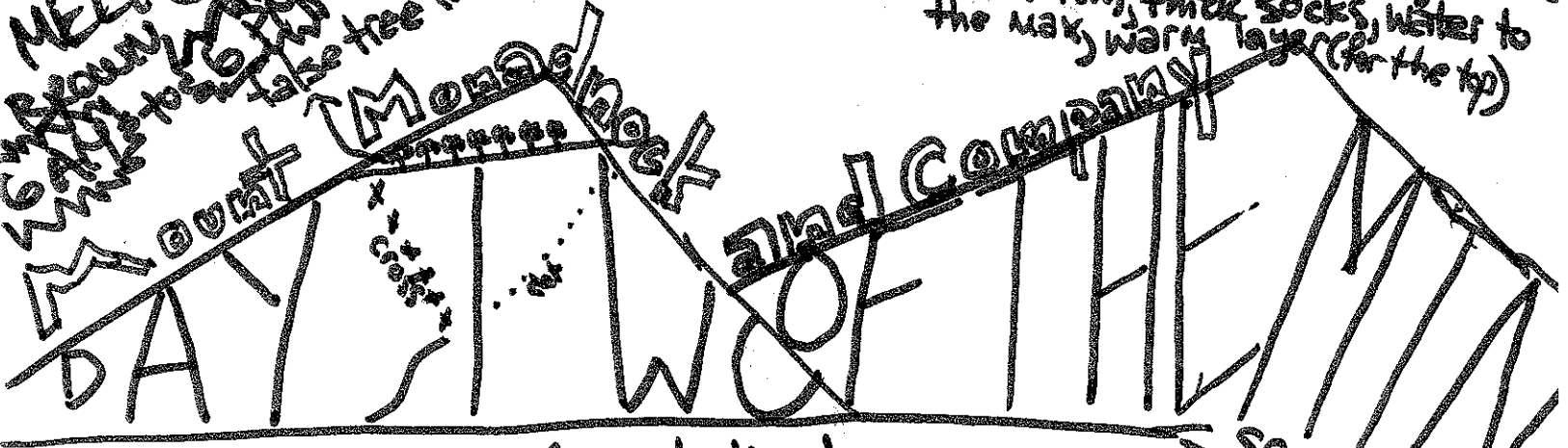
Leaders: Chris Leo
Jon Rivnay 61764...
Lyuda Kovalskue 6175585567

6179260319

Thursday, July 27, '06

Bring: Hiking Boots, Lunch, Snacks
(Goop-ish), thick socks, water to
the max, warm layer (for the top)

MEET @
6:30 AM
to take tree line



(no intentional wood)

Sequence!

Okay, so all of the day trips are long past... and yesterday we completed Blue Hills, so what's next but Mount Monadnock! Mt. Monadnock is the first of two mountains we will climb in NH - and a harder climb than any of ours previously... So get ready for the hike of your day!

We start off the day at the early hour of 6 AM with a 17 hour bus ride - no, I guess that's on Monday. Anyday after that bus ride, we embark on the most climbed mountain in the world! What an honor! (Ironicism here) Don't forget your grappling equipment because you may need it when you climb Mt. Everest... hey, the journey towards that trek has to begin somewhere. So we begin with a Blue Hills-like hike for awhile and then step it up a notch and get to the top... Oh, nope that's the false tree line. Back in the day (or the USSR for those music fans out there), trees used to roam the forests of the mountain but then a fire came and slaughtered all of the trees... and that's the sub story of that mountain named Monadnock. So remember to spend a while and memorialize the dead trees!

What:


Trip slip #15 7/22/05

When: 6AM-6PM

Where: Brown MS



Mt. MONADNOCK

Why hello there, young student, and congratulations on completing a successful outing to the hills of Blue! On the morrow we will seteth off to Monadnock Mountain, a peak of 3105 feet in the faraway Kingdom of Jaffrey, New Hampshire. This expedition will truly be a test of thy abilities, so bring thine armour and be prepared to face some fire-breathing dragons! (It Mt. Monadnock hath coolness because it is the most hiked mountain in the world  and it has a tree line that is false! Did ye know that in Algonquin Monadnock means "lone mountain"? Fascinating!

Leaders: Lynda
 "J-Stor" Kevalehaka
 617-584-2624
 Jeff "Zee" DeCew
 617-964-7845

Equipment: boots, wear 2 pairs of socks, tons of water, big lunch, rain gear, 1st aid, sun block, bug spray, warm layer

(It gets chilly up there)

In case of emergency, your child will be brought to Newton Wellesley Hospital and be licensed by the Mass. Dept. of Public Health and be licensed by the City of Newton Health Dept.



Monadnock Community

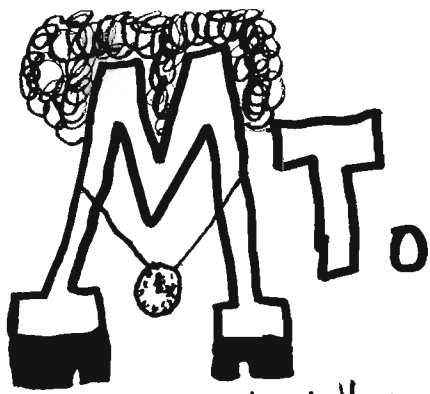
603-924-7191

~~Newton Wellesley Hospital~~

~~617-243-6000~~

will be brought to Newton Wellesley Hospital and be licensed by the Mass. Dept. of Public Health and be licensed by the City of Newton Health Dept.

giant squid



that is one funky letter

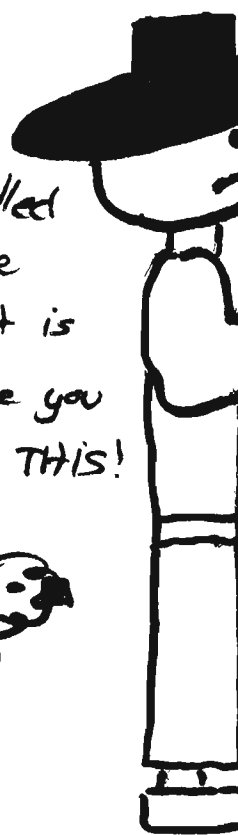
MONAD

10

TIMES: 6am - 6pm

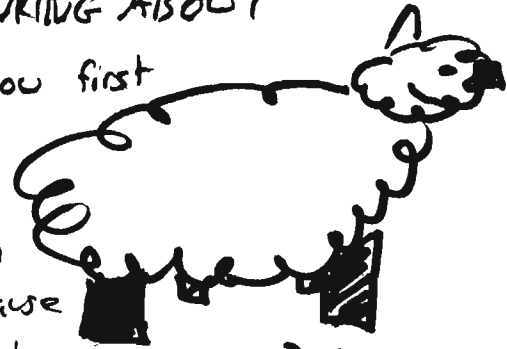
Meet at: Brown Middle School

What to bring:
hiking boots, two pairs o' socks, raingear, lunch, water, warm layer



Time for some real mountains instead of those wanna-be-mountains hills. The mountain we will be climbing today is called Mount Monadnock which means "one that stands alone" in the native tongue (not english). Monadnock is called this because it is near a penneplain which sounds like penne pasta so next time you hear penneplain you will mostly think about food. DO NOT DO THIS!

The two are completely unrelated. STOP THINKING ABOUT FOOD! I'm sorry I even mentioned it. When you first see Monadnock you will probably think something along the lines of "That Mountain is baldier than Jon Rivray's mother." and that's just not nice because Mrs. Rivray is a very beautiful woman with plenty of (sheep) hair.



However you did make an important observation. Monadnock's peak is completely treeless. It simply lacks trees. There are no trees on it. However Monadnock is not tall enough to reach the normal treeline. It has what we like to call a "false treeline". To put you in suspense I won't tell you why until tomorrow.

(Far Away)

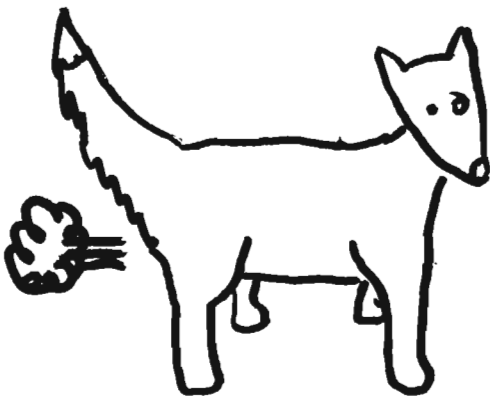
(617-244-0998) SUSPENSE!!! (617-964- MIKE MCLELLAN • JEFF F

MONADNOCK, III

LB.

Meet at Brown Middle School
July 23, 2004 ... 6 AM - 6 PM (IMPORTANT)

Mount Monadnock is the craziest lonely mountain
this side of the Mississippi! It grew up among
hills just as tall as itself, but over time the
softer rocks were worn away and only Monadnock
(Algonquin for "Where's the Beef?") was left. So we
only have one choice of mountain
to hike. The same goes for all
the people who make Monadnock
the most climbed mountain in the
world. So you're all posers.



(Wolf)

Anyway, get excited for some
kickass hiking, and for all the other neat
stuff you'll learn today. And isn't this trip awesome??

mer
market)

7845) (617-969-0288)
ECEW • JOEY BACKER

MT MONADNOCK

Trip Slip #14
 July 21, 1995
 Agatha 969-7407
 Times: 6:00am - 6:00pm

Equipment: BIG LUNCH (one water + one sweet)
 2 CANTEENS OF DRINK
 RAIDGEAR
 A WARM LAYER FIRST AID KIT

BOOTS
 TWO PAIR OF SOCKS (preferably one wool)

You may be asking the question what is a monadnock well I'll tell you. It is a mountain or rocky mass that has resisted erosion and stands isolated in a plain or peneplain. So what is a mountain? A mountain is a natural elevation of the earth's surface. There are four main ways that mountains are formed: by volcanoes, faulting, folding and doming.

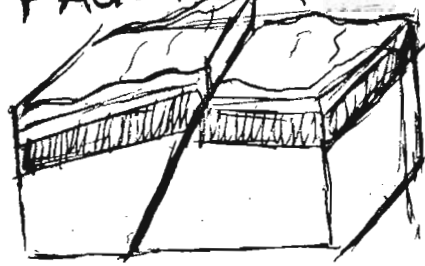
Volcanoes



they form mountains by erupting lava which creates several different shapes.

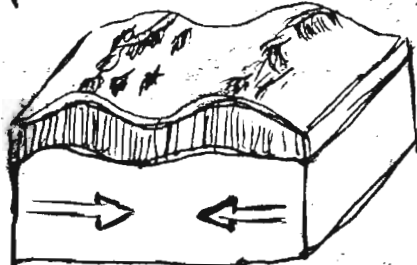
TREE LINE WHAT IS THAT?
 - MT. MONADNOCK HAS A FALSE

FAULTING



The upthrust edge of a fault-caused by suterranean forces cracking the earth's crust - is weathered to form a block mountain. Streams can carve out peaks

FOLDING



Rocks are folded by lateral pressure that compresses the strata.

DOMING



A dome mountain is formed when an upsurge of molten rock from below does not break the Earth's surface but causes it to swell.

Trip-slip #12

Leaders:

Jeff DeCew

617-964-7845

Joey Backer

617-969-0288

Mike McLellan

617-244-0998

Mount Monadnock



← Psst! it's a mountain!

Special Items:

- Trail Mix: (Gorp)
- Warm Layer

Required Items:

- WATER (2+ quarts)
- A HUGE Lunch
- Field Kit as follows:
 - Raingear
 - First Aid
 - Notebook
 - Sun screen

Optional Items:

- A Play-Doh printing press (as in a plastic press FOR Play-Doh)

Meeting Place:

Brown Middle School!

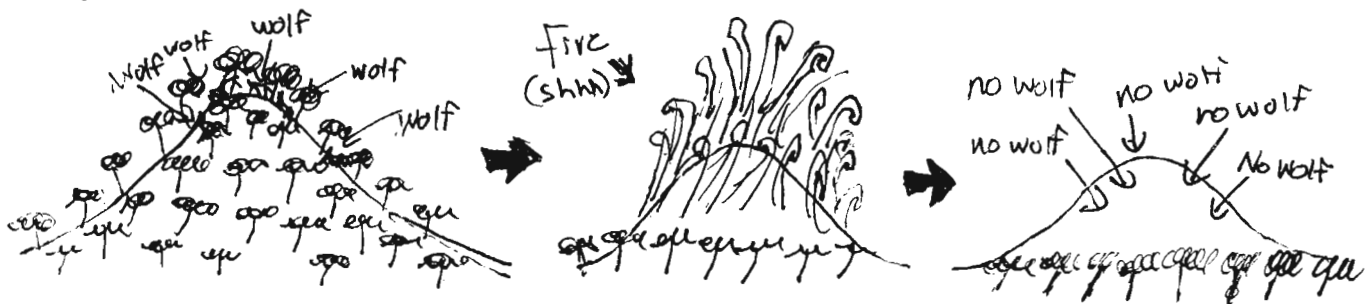
Times:

Meet: 6:00 AM

Leave 6:00 PM

Well, if you are reading this trip slip, it means you survived the first round of trials at Blue Hills. That means you are ready to enter round 2. First, look at the person on your left, and the person on your right. Chances are that all of you are going to die! ☠️ Just kidding (or am I). Well, lets get down to business!

What does Mt. Monadnock mean? Well, it means Lonely Mountain, a lot like that mountain in the Hobbit. Fortunately, Smaug is not hiding under our mountain, but we do have a story about Fire! Tomorrow, you will notice that as we climb the mountain, the trees start going away. You might think it's the treeline, but it's not. A farmer set fire to the trees on the top of the mountain to kill the wolves.



Mt. Monadnock

Hi. I'm Mike. Today we go to . We will climb . is in New Hampshire, so we will have to take a bus to .

It is 3165ft. tall. Our leaders are Jay, and Jeff Deew. Not Jeff Huenermaier, Damn. I wish he ~~were~~^{was} our only leader. is fun. I hope we have fun. We should have fun since it's fun. The leaders have phone numbers. You can look our numbers up in a phonebooks. It will be a game. Wheee! Yay! I like games! Don't forget to bring the exact same stuff you bring on every trip. Oh crap! I forgot to tell you how early to wake up. It's 6am-6pm. That's pretty very super early. See you all then, it is time to go eat.

In case of emergency we will panic since we have no clue what to do. The nearest hospital is my first aid kit :617- miles cell phone.

Mt.

MONADNOCK

EQUIPMENT:
boots, field kit, tons
of water, tons of
lunch, tons of
sunblock, a warm
layer, 2 pairs of socks,
GORP?

cirrus cloud

Now that we've had enough
of the Blue Hills, on to
our next adventure => Mt.
Monadnock! Mt. Monadnock

is awesome, and for
many reasons. One of
these reasons is the
fact that it is the
second most climbed
mountain in the world!
(Mt. Fuji 1st) Another
reason is that it has
a tree line even though
it's too short to have a
tree line! (tree line @ 4000-
4800 ft. Monadnock = 3165 ft)

"Why does it have a
tree line?" you ask?
We'll discuss tomorrow.



Date: July 23, 2004

Times: 6 AM - 6 PM

Meet @: Brown MS

Leaders: Lynda
Kuznietzova
Kovalchuk
617-584-2624

Jonathan
Krivchenkov
Rivnay
617-645-1379



This program must comply with the
regulations of the Mass. Dept. of Public
Health and must be licensed by the City
of Newton Health Dept. In case of emergency
your child will be brought to: Monadnock Community Hosp. 603-924-7777



Welcome, my children, you are about to embark on the 2nd of 3 mountain trips. That of **MOUNT MONADNOCK**. Today your leaders will be the wisest of the wise, Nathan Kaufman who you can reach at 617-969-4144 and sensai/guru/prophet Dan Swartz who's "phone number" is 617-244-2339. Below is a list of what you must bring.

trip slip #15 7/22/05

EQUIPMENT

- Tupperware again!
- boots
- field kit
- lunch
- 2 bottles (2L)
- rain gear
- Trail Mix
- Granola
- Oats
- Raisins
- Peanuts
- ETC
- 2 pairs socks
- Bugspray
- WARM LAYER

6 AM

MEET AT BROWN.



6 PM

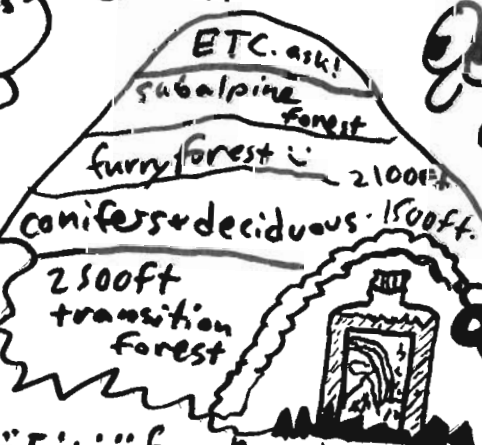
FUN FACT:
The most climbed mountain used to be Mount Fuji in Japan until they built a road up it which disqualified Mt "Fiji" from the standings



As your resident floating head, it's my duty to tell you all the enlightening things about the most climbed mountain in the world.



MOUNTAIN ZONATION



PRESENT!
tree line (false)
natural tree lines @ 4000-4500 ft.

WOO HOOD! MOUNTAINS!

In case of emergency, your child will be brought to Monadnock Community Hospital at 617-969-4144

NATE - 617-969-4144


DAN - 617-244-2339

MONADNOCK

(oh, by the way, the real name is Mount Monadnock, FYI)

Equipment:
 Boots, wear
 2 pairs of
 socks, tons
 of water,
 Big Lunch,
 Rain Gear,
 1st Aid Kit,
 Sun Block,
 Bug spray,
 Warm!!
 Layer!!

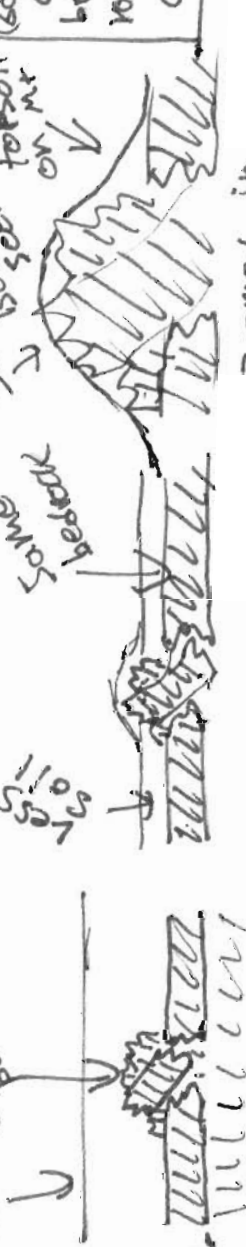
It's COLD

TRIP IS
 Friday, July
 22, 2005
 A smurf?

 yes?
 (No!)

Your leaders: (that's right, us again)
 So Jeff "rev" DeCew: 857-205-4723
 who of you students Lyndmila Kovalchuk
 Knows algebra? 617-584-2624
 Nobody? That's ok, but

All we need to know is ^{random public} that monadnock, in ^{the} form of algalanin, means Lonely Mountain.
 So, Awesome Jeff, tell me why monadnock is So Lonely! Okay, I will! Monadnock used to be totally underground. In fact the whole mountain was a bunched up anomaly in the bedrock, buried in soil. Then the soil eroded away, leaving a big empty plain with a bump in the middle. The mountain is made up of hard rocks that don't erode.

Some rock exposed
 Soil eroded
 Some bedrock seen on top soil or Mt



Good news! It's so that I can go up to NH to take a hike to hike

Mount Monadnock. What is cool about monadnock? Well, it is mainly to prep for washing ton and to get the great view. but also we can teach you some cool stuff.

Dept. health services city the by license be and health pub of dept must be of -Lotions reg-in with comply must program this (603-924-7191) hospital Comm. Monadnock to brought be will child your emergency an of case in

MOUNT MONADNOCK

TRIP SLIP #15 JULY 22, 2005 MEET@BROWN

6:00 AM - 6:00 PM

YOUR TRUSTY LEADERS, AS ALWAYS:

NATE "ALGONQUIN" KAUFMAN
(617) 969-9199

DANIEL "MOHAWK" SWARTZ
(617) 244-2339

Necessary Equipment:

Water (2+ liters), boots of course, a huge lunch, field kit (raingear, first aid kit, notebook, sunscreen, bug spray), trail mix, and don't forget a warm layer... it's pretty chilly at the top!



How was Mt. Monadnock formed, you might ask?

Why does it stand alone?
Why does it mean "Lonely Mountain" in Algonquin?

Monadnock is so alone because it used to be surrounded by soil, but when the soil eroded to the bedrock, only the protruding mountain remained. That's why the view is so great!



FALSE TREE LINE



Whoa, whoa, whoa, whoa, whoa, Lois, where's my batman glass?

And what the heck is a "false" tree line? Well, a few centuries ago, some farmers tried to burn the forests on Mt.

Monadnock to expell the wolves living there who were tormenting their sheep. The trees have been slowly growing back after the years, but the summit remains as bald as Colin MacRey. Ahahahaha!

Bald joke. was this farmer-induced fire natural? No. But one perk, I suppose, is the nice breeze. Oh, and the amazing view. Get psyched my little dumplings!

Note the time change of 6:00 AM - 6:00 PM. Long trip! Hopefully this month has been enough preparation to get to the top and back down again.



The Black Knight presents:

Trip slip # 15
July 22, 2005
Brown M.S.



6AM - 6pm

Bring: water, boots, lunch, GORP, 2 pairs of socks, sun block, bug spray, rain gear, warm layer, field kit, first aid
optional: hat, camera, sunglasses, Family Guy bear up outfits

- Liters: Ari "mini chips Ahoy" Miller 617-894-8160
- Garrett "cherry fruit snacks" Solomon 617-332-1362
- Jay "mmm pummies" Backer 617-969-0288

We're off to the second most hiked mountain in the world! Monadnock is an Algonquin word that means "lone mountain". Originally there were many mountains but most eroded away. Monadnock remained since it was made of protruding rock from the earth's surface. It's going to be good preparation for Mt. Washington. The summit is 3165 feet high! Monadnock has a false tree line. I wonder what that means...

In case of emergency, your child will be brought to Monadnock Community Hospital
603-924-7191
This program must comply with the regulations of the Massachusetts Department of Public Health and must be licensed by the city of Newton Health Department

bad M
 Jeff H (the stinky one)

Moon

July 22, 2003 #15

Leaders:

Joey - 617-969-0230

Garrett - 617-332-1362

Ari - 617-894-8160

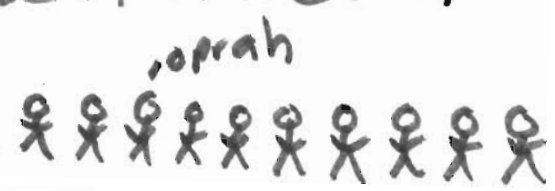
Monadnock - pretend it's in fancy letters

Time: 6AM-6PM.

Meet at: Brown "Middle" School

Equipment: 2 pairs of socks, water, field kit, LUNCH, Gorp (optional), raingear, your hiking face + boots

2 day, we'r hiking... uh... oh yeah Mt ~~Fuji~~ Monadnock. The most climbed/hiked Mountain in the whole entire world! Do you like tree lines? Well... do you like false tree lines?! Well. Mt. M...etc does cause it has one!



- guess which one is you?

The summit is:

a. 3500 ft high b. 3165 ft. c. 10165 ft. d. 100ft

Uncle Bruno walks up hill both ways, so you can go up hill one way... ye

correct answer: (upside down)

In case of Emergency, your child will be brought to: ~~Newton-Wellesley Hospital~~ ~~617-243-6000~~ ~~Newton, MA~~ ~~Hospital~~ 603-924-7191
 This program must comply with the regulations of the Massachusetts Dept. of Public Health and must be licensed by the city of Newton Health Department.

Mt. Monadnock



If I can climb it... so can YOU!



Leaders:

David Krinsky
(617)-332-4459

Mike McEllan
(617)-244-0998

Jeff Hueneboerder
(617)-332-9506

WHERE:

Brown

Time:

6 a.m. -6 p.m.

Equipment:

Hiking boots, 2 pairs of socks, 2 liters of water, Sun block, bug spray, lunch, full raingear, field kit, compasses.

Welcome to day two of the mountain

sequence. Wake up early because you will have to get here tomorrow at 6 am. We will be taking a bus to New Hampshire to climb

Mt. Monadnock. This will be harder than blue hills and more tiring, but the view from the summit is incredible (above picture) A wise man once told me you can see Boston from the summit! Mata ashita☺ (see you tomorrow in Japanese).

In case of emergency your child will be brought to
Monadnock Community Hospital 603-924-7191. This program must
comply with the regulations of the Massachusetts
Dept. of Public Health and must be licensed by the
City of Newton health department

6 AM →
6 PM

July 22, 2005

MT

Leaders: Jeff "The mountain who stands alone" Huenemurder (617-332-9506)

Mike "That fat guy who stands alone" McEllan (617-244-0998)

David "birdsack" Krinsky (617-332-4499)

WINDOWNOW

Equipment: lots of H₂O water, hiking boots, some lunch, trail mix, more lunch, 2 pairs o' socks, even more lunch, raingear, warm layer, field kit, first aid kit, lunch³



Anyone been to Jeffrey NH? It's somewhat similar to my ^{name} is it not. Well that's where we'll be going today/tomorrow depending on when you are looking at this (maybe even yesterday, or last year if you're a slacker). Not contrary to unpopular belief Mt. Monadnock is the single-most climbed mountain in the world. It used to be Mt. Fuji until they opened up roads for cars, thus disqualifying them from the mountain climbing competition. You'll see about tree-lines for Mt. Washington, but I'll just tell you some info about it now so everything will *click* together once you hear it.

Mt. Monadnock contains "dwarfed" trees, as opposed to "dwarf" trees. The difference is that dwarf trees are naturally small while dwarfed trees are small because of the environment surrounding it, like wind, water, and cold air. Be sure to ask the leaders about Monadnock's false treeline, for that's a story for another sheet of paper.

In case of Emergency, your child will be brought to: ~~Newton~~ Community Hospital
603-924-7191
This program must comply with the regulations of the Massachusetts Dept. of Public Health and must be licensed by the City of Newton Health Department.

MT. MONADNOCK

MOLLY + ALLAN
965-1979 969-4057

Trip slip # 14
July 23, 1995

TIMES: 6am - 6pm

Joe Hiker



Equipment:

- Boots
- Lunch
- 2 bottles of Water
- Rain Gear
- Warm Layer (sweater, sweatshirt even pants if it is cold)
- field kit
- Trail Mix
- Bug spray
- Wear 2 pairs of Socks!

★★ Rain gear and a warm layer are very important for 3 reasons:

- 1) The temperature drops $2\frac{1}{2}^{\circ}\text{C}$ for every 330 ft. we go up.
- 2) It often is rainy at the top, even when sunny at the bottom.
- 3) If you are wet from sweat, and it gets cold, you can get hypothermia and get sick. So even though you are hot and sweaty, you will need to put on a warm layer when we stop for breaks.

Mt. Monadnock is an excellent mountain, one of my favorites. It is sort of a mini-Mt. Washington. It has a treeline (a treeline is where trees stop growing after a certain height on a mountain. No trees grow on the top of Monadnock) but it is a false treeline because it is not due to altitude, but it is due to human activity. You will understand this better once we've taught you about the history of Mt. Monadnock. Always remember to ask questions and we will do our best to answer them!

Quick Quiz:

- ① What is zonation? What zone do we live in?
- ② How tall is Monadnock?
- ③ How do mountains affect weather patterns?

Mt. Monadnock

Time: 6am - 6pm

Place: Brown

Leaders: Jeff "that farmer guy" Auenmarder (617-332-9506)
Nate "those sheep he lost" Kaufman (617-796-7762)

Equipment: Boots, 2 pairs of socks, lots of water, lots of food, day pack, raingear, warm layer,

Onto our first real mountain. At 3165 feet tall, Mt Monadnock stands high above its neighboring mountains. The name itself is Algonquin for "mountain that stands alone". Many tall mountains have what is called a treeline, or a point at which no trees grow above. Mt Monadnock may appear this way at first glance, but don't be fooled. It does have a treeline, but not naturally. In the 1800s sheep farmers used to let their sheep graze freely around the mountain. They ended up losing many of their sheep to wolves, though so they took the only logical course of action and decided to set fire to the trees to chase away the wolves and leave pastures for the sheep to graze. Somewhere between 1810 and 1820 a fire got out of control and was so strong that it burned the soil of the top of the mountain to bare, plain rock where nothing could grow again, and it has stayed that way ever since. Now that you know the complete and total history of it, lets go climb the most climbed mountain in the world.

a beautiful box
built for beauty

LEADERS: JONATHAN 617-545-1379
 LYUDA 617-584-2624

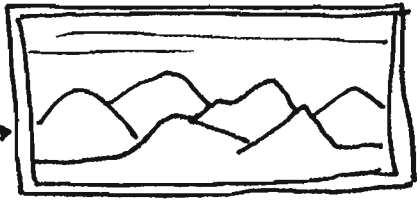
TRIPSLIP #16

JULY 23, 2004 - Meet @ Brown

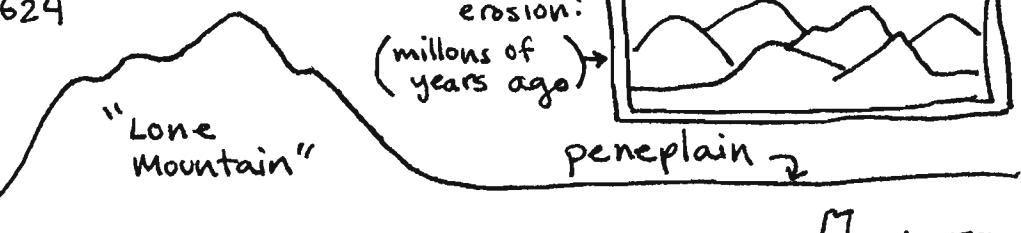
TIMES: 6AM - 6PM

BUS TRIP

before erosion:
 (millions of years ago)



penneplain



MT. MONADNOCK



EQUIPMENT:
 Hiking Boots (w/ 2 pairs of socks), LOTS OF WATER, HUGE LUNCH, Field Kit:
 Rain gear (top & bottom), First Aid Kit, etc., a warm layer, GORP (trail mix), Sun screen, bug spray.

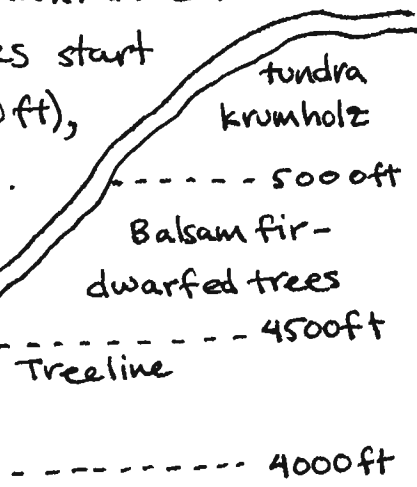
S

O, WE'RE FINALLY DONE WITH THOSE pesky BLUE HILLS. Now it's time for a real mountain. Mt. Monadnock is 3165 ft tall, and has a tree line.

But, if you look at the Mountain Zonation you'll notice most tree lines start well above this (4000-4500 ft), we'll discuss why this is...

but here's a hint: wolves, farmers, fire. other things we will talk about: erosion, and the formation of Mt. Monadnock, Mountain Zonation (w/ move to come on Mt. Washington (4 days!)), and how we measure mountain heights then & now. Here's a preview:

3165 ft



SUBALPINE FOREST

2500-4000 ft: Red Spruce, Balsam fir, paper Birch

FURRY FOREST (shhhh...)

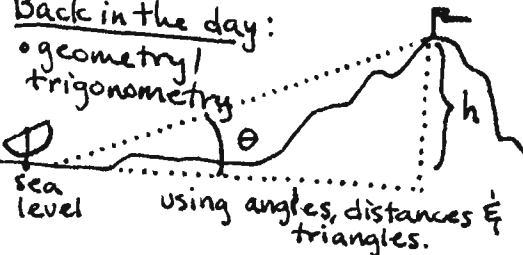
CONIFERS AND DECIDUOUS

TRANSITION FOREST: up to 2500 ft.

NORTHERN HARDWOOD FOREST: maple, beeches, yellow birch

MOUNTAIN ZONATION

ALTITUDE MEASUREMENTS



Other, more modern methods:

GPS altimeter, satellite, radar, air density difference calculations, trigonometry w/ light/laser assistance

This is our last trip before Washington, it gives you a little taste of what climbing the mountain is like, plus we get fun group time to "bond" and stuff like that! 😊

Monadnock is a Native-American word for "lone Mt."

Josh

Shervin

Amelia

Mr. Sun (again)

Jesse (Don't mind the hair)

Yoav



Ben

Tom

MT. MONADNOCK

TRIP SLIP #15



Leaders: Amelia (244-8836) Meet @ Brown

Jesse (965-2729) Times: 5:45-6 AM PM

Equipment: Boots, Field kit, Full rain gear, super big yummy lunch, tons of H₂O, a warm layer, some ideas for a rockin' group name!

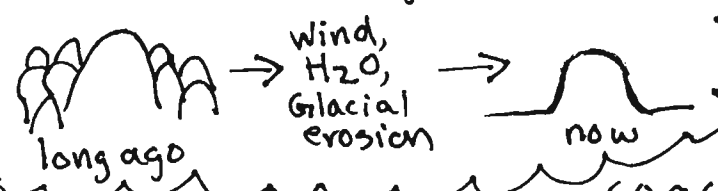
How was Monadnock formed?

It is a remnant of a Mt. that rose high above the others... wow.

Yay Monadnock!

Today, we climb Mt. Monadnock, tomorrow, the world! Well, that didn't make much sense, but anyway, Monadnock is the 2nd most climbed Mt. in the world and it's 3165 ft. tall, it also has a tree line... "but how is that possible? Don't tree lines occur in altitudes of 4,000-4,500 ft.?" you ask. Well, yes they do, but I'm going to leave it up to you to figure out why Monadnock has a tree line.

Here is a diagram: over millions of years...



Mr. Sun says: I may take a break, so you really need to bring that warm layer in case I'm not there to warm you up!

Monadnock has some great views, so as the AMC says...

TAKE ONLY MEMORIES, LEAVE ONLY FOOTPRINTS 😊

Mt. Monadnock

Trip # 16

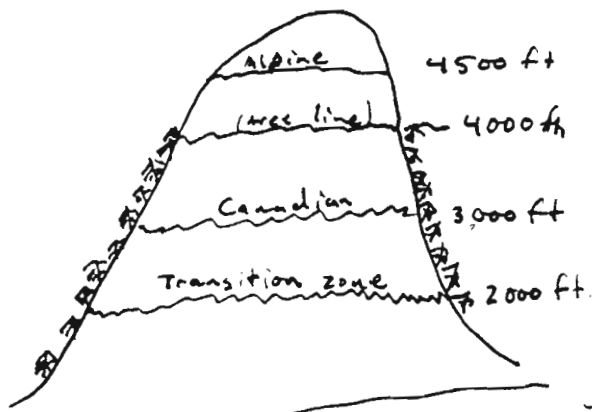
July 23, 1999

Times: 6 a.m. - 6 p.m.

Leaders: Michael DYEN
244-0285
Danny Yagoda
738-0269

Equipment: Boots, field kit, big lunch, lots and lots of water, rain gear (top + bottom), GORP (grain, oats, raisins, peanuts, or whatever you want to put in it) and a warm layer.

ZONATION



Finally, our first real mountain.

Can you guess how tall Monadnock is. Is it (A) 3,007 ft. (B) 3,165 ft. (C) 3,877 ft. (D) 4,352 ft. Well

here's a hint, there are no trees on top of the mountain. Now look at this little zonation map or diagram over to the left. Well by order of elimination and deduction, by looking at the diagram you can figure out

that over 4,000 ft. there are no trees. So

you can figure that since I gave you that hint, (D) is the correct answer. Well if you guessed (D), then you'd be right, and by right I mean completely wrong. The correct answer is (B) 3,165 ft.

Monadnock has a false tree-line. Now you may be wondering what a false-tree line is. Well you will find out. Because of the lack of shrubbery at the top of the mountain, there is no protection from the wind, and since Monadnock is a stand-alone mountain, meaning it is not part of a mountain range, there is no protection from the wind. Hope you're ready cuz this is gonna be fun

Mt. MONADNOCK

Collectable Tripslip #4 of 4
Everyone wins...but you.

Tripslip # 15

When:

6am - 6pm
July 24, 2000

Where:

Brown Middle School

Mountain Leaders:

Jonathan Rivnay
527-1849
Julie Greenwald
964-7248

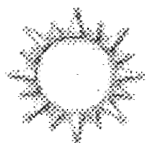
Equipment:

Hiking Boots, 2 pairs of Socks, WATER, Huge Lunch, Day Pack, Field Kit (First Aid, Raingear Top and Bottom), Warm Layers e.g. Sweater; 4 lbs dried Basil leaves, and a cattle prod. **Optional:** GORP (or other snaking foods).

Weather Forecast

by boston.com for:

Monday
July 24, 2000



Sunny
High 74 / Low 62

EnviSci takes no responsibility for the accuracy of the boston.com weather forecast. This forecast is not likely to be accurate so... You must bring your raingear and lots of water, no matter what!

Every image on this page has a relevance So don't complain, and go with it.

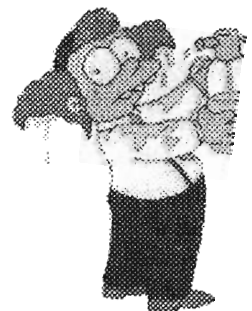
Okay, good, so we made it out of Blue Hills alive no we can stop with the child's play, and get up to our knees in raw fish-heads, and by raw fish-heads I mean Mt. Monadnock, and by knee high I mean...well you get the picture. So now we get to hike up our first *real* mountain. Although Mt. Monadnock *is* tall enough to be a mountain, it is not tall enough to have a treeline, yet for some odd reason it does...why? HINT: Consider the effects of sheep, angry farmers and shepherders, wolves, and fire, and a pack of angry monkeys (except without the monkeys). (We will go over this on the mountain). Another question to think about when hiking up Mt. Monadnock is, well...Why is it named Mt. Monadnock? Where did this silly name come from...and this too has a reasonable answer...which we will talk about on Monday as well! (Wow! we've got a lot of talking and hiking to do on Monday.)

Now, when we start climbing up mountains such as Monadnock and Washington you will notice something very strange happening, very strange indeed. As we go up the mountain you will notice the types of trees change and sizes of the trees getting smaller and smaller (NO, you are not getting bigger and bigger as you hike up). You will notice very short Evergreens near the treeline are almost like..."mini-trees." But they are more commonly referred to as **DWARFED** trees. I bet you're all asking...isn't a dwarfed tree the same as a dwarf tree? Well...no...a dwarf tree is naturally short, and a dwarfed tree is short mainly because of cold harsh climates.

Did-you-know?

(with Jonathan Rivnay)

- Mt. Monadnock is the second most climbed mountain in the world, (Second only to Mt. Fuji in Japan).
- The elevation of Mt. Monadnock at its peak is 3,165 ft.
- Every 330 vertical ft. you go up...the temperature gets 2½° colder, maybe that's why it gets so cold eh? But do you know of any other reasons?



Little Krusty seems to

Mt. MONADNOCK

Gordon Roble
Trip #14
7/27/95

Leaders: Gordon Roble - 244-9304

Equipment: 2 pairs of socks, 2 canteens, field kit,
Bug repellent, Gorp (Good old raisins and peanuts),
x-tra warm layer, full rain gear, Big lunch

Time - 6:00 AM - 6:00 PM

Location: Brown Sri. High

Today we are exploring the wilds of Mt. Monadnock, the second most climbed Mt. in the entire world behind Mt. Fuji in Japan. It is special because it is a smallish Mt. yet it still has a treeline. Normally tree line starts at 4500', but Monadnock is only 3165'. huh?? So what does cause treeline. Well during the summer the trees grow, but only if it is above a critical temperature, about 50°-60°. Once the temperature falls below this the tree lies dormant. That's why on high Mts. where the temperature is rarely above this, like Mt. Washington, and conditions are very harsh trees can't really grow. But if they do they grow they are either a dwarf or a dwarfed tree. So what's the difference? Well a dwarf tree will only grow to be this very small height like the krummholzes on Mt. Washington, you'll learn more about them. A dwarfed tree is a tree that is forced to grow short because of the elements.

Another great thing about Mt. Monadnock is its name. It is a native American / Geological word meaning lone Mt. As we will stand and marvel from the heights of Monadnock over the peneplain, the flat lands surrounding the Mt, we will sit back and remember the days when Monadnock was as tall as Everest. Ahhh, those ^{were} the days. What could have caused Monadnock to A. Be the only Mt. in the area, B. suddenly be so short, and C. Sevier than Kathy and Allan.

Mt. MONADNOCK

EQUIPMENT: boots, field kit, tons of water, tons of lunch, tons of sunblock, a warm layer, 2 pairs of socks, GORP?

cirrus cloud

Now that we've had enough of the Blue Hills, on to our next adventure => Mt. Monadnock!

Mt. Monadnock is awesome, and for many reasons. One of these reasons is the fact that it is the second most climbed mountain in the world!

(Mt. Fuji is 1st) Another reason is that it has a treeline even though it's too short to have a treeline! (treeline @ 4000-4800 ft. Monadnock = 3165 ft)

"Why does it have a treeline?" you ask? We'll discuss tomorrow.



Date: July 23, 2000

Times: 6 AM - 6 PM

Meet @: Brown MS

Leaders: Lynda



Kuznietzova

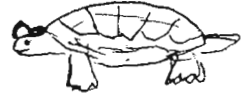
Kovalchuk

617-584-2624

Jonathan Krivchenkov

Rivnaya

617-645-1379



This program must comply with the regulations of the Mass Dept. of Public Health and must be licensed by the City of Newton Health Dept. In case of emergency your child will be brought to: Monadnock Community Hosp. 603-924

Mount Monadnock



← Psst! it's a mountain!

Trip-slip #12

Leaders:

Jeff DeCew

617-964-7845

Joey Backer

617-969-0288

Mike McLellan

617-244-0998

Special Items:

Trail Mix: (Gorp)

Warm Layer

Required Items:

WATER (2+ quarts)

A HUGE Lunch

Field Kit as follows:

Raingear

First Aid

Notebook

Sun screen

Optional Items:

A Play-Doh

printing press (as in

a plastic press FOR

Play-Doh)

Meeting Place:

Brown Middle

School!

Times:

Meet: 6:00 AM

Leave 6:00 PM

Well, if you are reading this tripslip, it means you survived the first round of trials at Blue Hills. That means you are ready to enter round 2. First, look at the person on your left, and the person on your right. Chances are that all of you are going to die! ☠️ Just kidding (or am I?) well, lets get down to business!

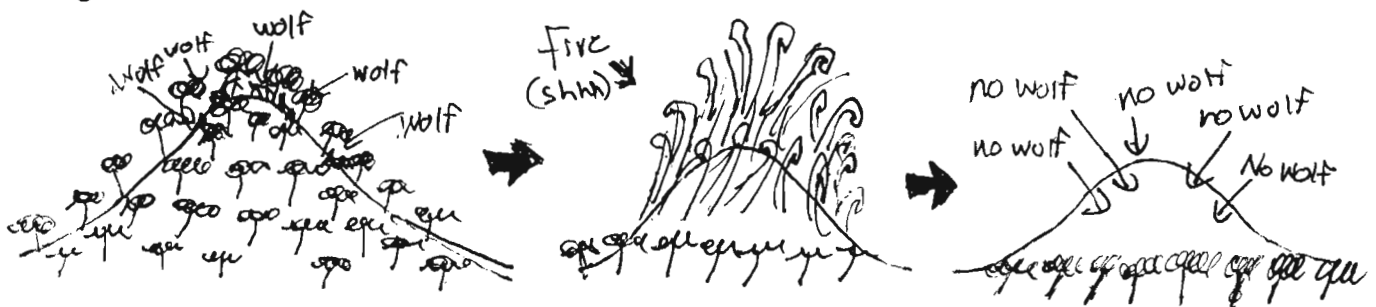
What does Mt. Monadnock mean?

well, it means Lonely Mountain, a lot like that mountain in the Hobbit.

Fortunately, Smaug is not hiding under our mountain, but we do have a story about Fire!

Tomorrow, you will notice that as we climb the mountain, the trees start going away. You might

think it's the treeline, but it's not. A farmer set fire to the trees on the top of the mountain to kill the wolves.



trip 15



MEET

JEFFREY-YAN

YOU WILL BE LED BY
JEFFREY-YAN 617 332 95#
NATE-YAN 617 796 7762

BRING: BATTERIES, 2 PAIRS OF SOCKS, WATER,
TANK, RAINWEAR, WARM LAYER, KATANNA

PREPARE YOURSELF, STUDENT-YAN, FOR THE GREAT
MOUNTAIN MOUNTAINING. BOTH PHYSICALLY (THE LATE
FOR THAT) AND MENTALLY! HERE IS A HISTORICAL PICTURE
STORY:



HENCE TREE
LINE OF FALSENEYS.

THE VERY MOUNT FUJI IN JAPAN USED TO BE THE
MOST CLIMBED MOUNTAIN IN THE WORLD, BUT WAS
DISQUALIFIED WHEN A ROAD WAS BUILT TO THE TOP. WHY?

Mt. Monadnock

Time: 6am - 6pm

Place: Brown

Leaders: Jeff "that farmer guy" Huenebender (617-332-9306)
Nate "those sheep he lost" Kaufman (617-796-7762)

Equipment: Boots, 2 pairs of socks, lots of water, lots of food, day pack, raingear, warm layer.

Onto our first real mountain. At 3165 feet tall, Mt Monadnock stands high above its neighboring mountains. The name itself is Algonquin for "mountain that stands alone". Many tall mountains have what is called a treeline, or a point at which no trees grow above. Mt Monadnock may appear this way at first glance, but don't be fooled. It does have a treeline, but not naturally. In the 1800's sheep farmers used to let their sheep graze freely around the mountain. They ended up losing many of their sheep to wolves though, so they took the only logical course of action and decided to set fire to the trees to chase away the wolves and leave pastures for the sheep to graze. Somewhere between 1810 and 1820 a fire got out of control and was so strong that it burned the soil of the top of the mountain to bare, plain rock where nothing could grow again, and it has stayed that way ever since. Now that you know the complete and total history of it, lets go climb the most climbed mountain in the world.



a beautiful box
built for beauty



LEADERS: JONATHAN 617-545-1379
 LYUDA 617-584-2624

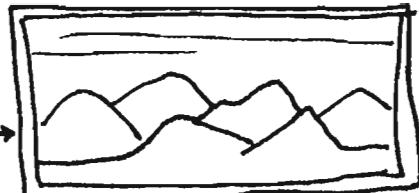
TRIPSLIP #16

JULY 23, 2004 - Meet @ Brown

TIMES: 6 AM - 6 PM

BUS TRIP

before erosion:
 (millions of years ago)



peneplain

"Lone Mountain"

MT. MONADNOCK



EQUIPMENT:

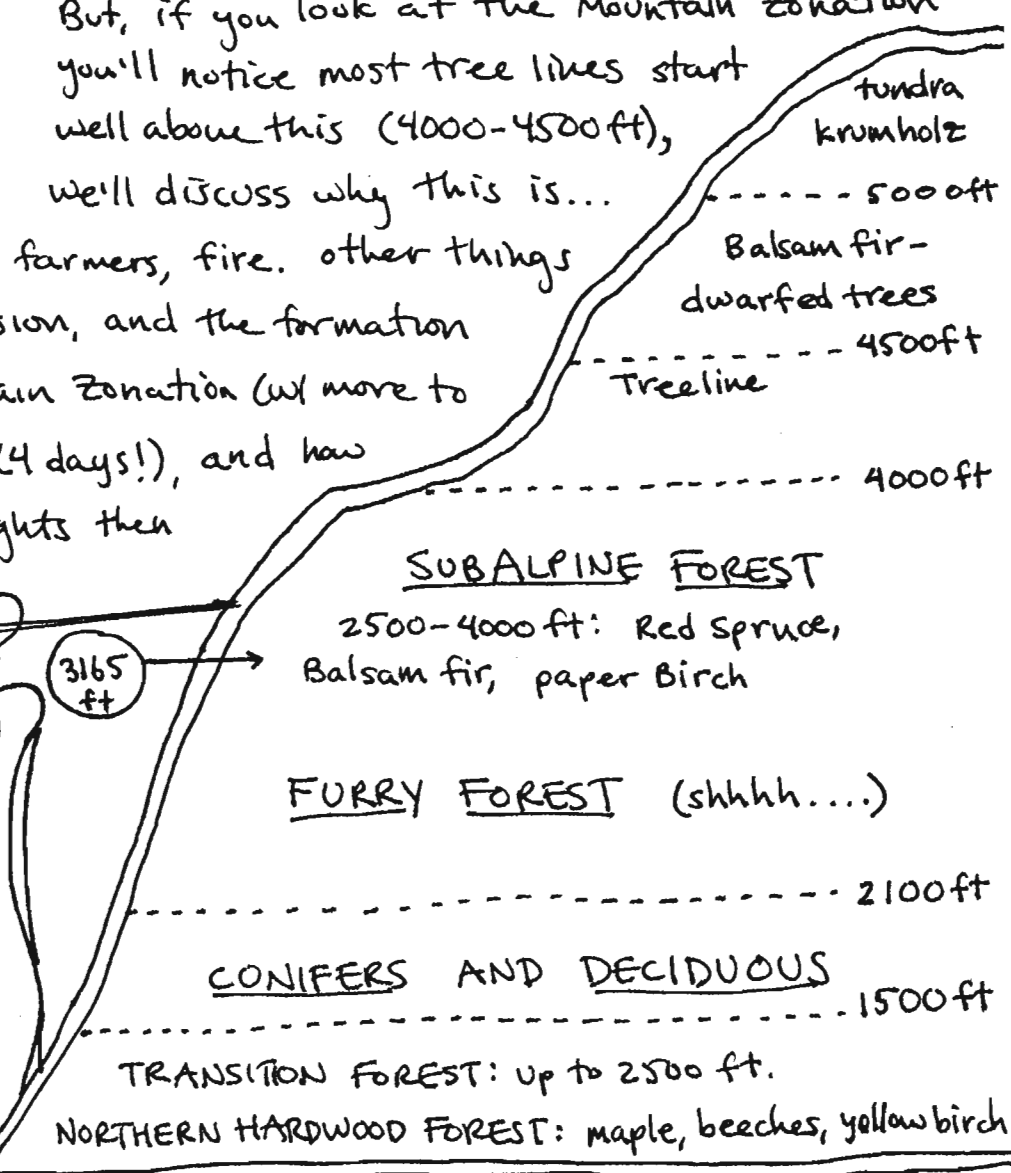
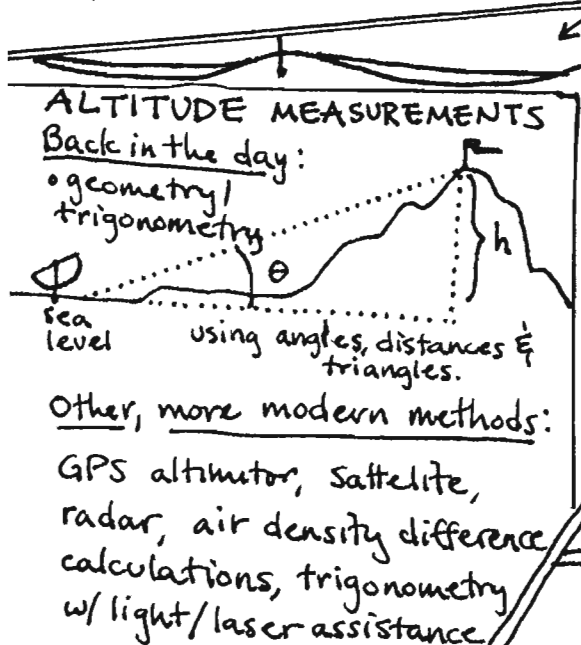
Hiking Boots (w/ 2 pairs of socks), LOTS of WATER, HUGE LUNCH, Field Kit: Raingear (top & bottom), First Aid Kit, etc., a warm layer, GORP (tail mix), Sun screen, bug spray.

S

O, WE'RE FINALLY DONE WITH THOSE pesky BLUE HILLS. Now it's time for a real mountain. Mt. Monadnock is 3165 ft tall, and has a tree line.

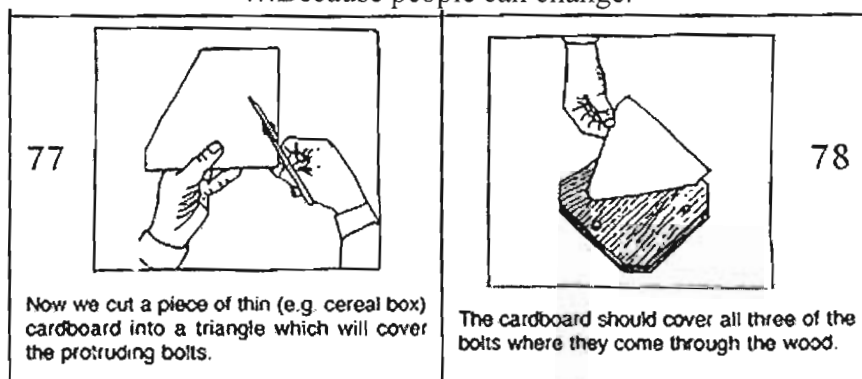
But, if you look at the Mountain Zonation you'll notice most tree lines start well above this (4000-4500 ft), we'll discuss why this is...

but here's a hint: wolves, farmers, fire. other things we will talk about: erosion, and the formation of Mt. Monadnock, Mountain Zonation (w/ more to come on Mt. Washington (4 days!)), and how we measure mountain heights then & now. Here's a preview:



MOUNTAIN ZONATION

...Because people can change.



You still don't know what I'm building.

Today and/or tomorrow's trip (depending on when you read this):

MT. MONADNOCK

IT'S NOT EASY BEING...LONELY.

Pertinent Information:

Ts# (trip slip number): 17

D|t (date and times): July 25, 2002 | 6am-6pm

Ml (meeting location): Brown middle school

ML's (mountain leaders): Jonathan Rivnay {617.527.1849} y Sarina Yospin {617.969.3966}

vEq (various equipment): Hiking Boots (two pairs of socks), lots of Water, Lunch, Field Kit (Raingear—tops and bottoms, First Aid Kit, etc.), a warm layer, GORP (trail mix) to snack on, Sun screen and bug spray.

Informational Haikus {i5|7|5}:

Yay! Mt. Monadnock
Finally, a real mountain.
I'm so excited!

The mountain is short.
How come it has a tree line?
Again, it's the wolves.

Popular mountain.
Second most climbed in the world
Mount Fuji is first.

The wolves ate my sheep
Came from atop Monadnock
Farmer said: burn 'em!

Monadnock: rock solid.
S'rounding peneplain erodes.
Therefore lone mountain.

Climb vertically
Ascend three hundred thirty [ft]
Two point five [degrees] colder

Dwarf Tree
A tree that is
naturally short.



Dwarfed Tree
A tree made short
by wind, and other
weathering factors.

Weather.com predicts:

Thursday,
July 25, 2002



sunny
H71 / L62

Mostly Sunny all day, 0% chance
of precipitation, 64% maximum
humidity. Wind from east
southeast at 7 mph.

*My conclusion: Sounds like a nice
day, bring your sun screen and
other equipment.*

Mt. MONADNOCK

What's OUR kick-but cool group name??

Beware of CAIRN monsters!



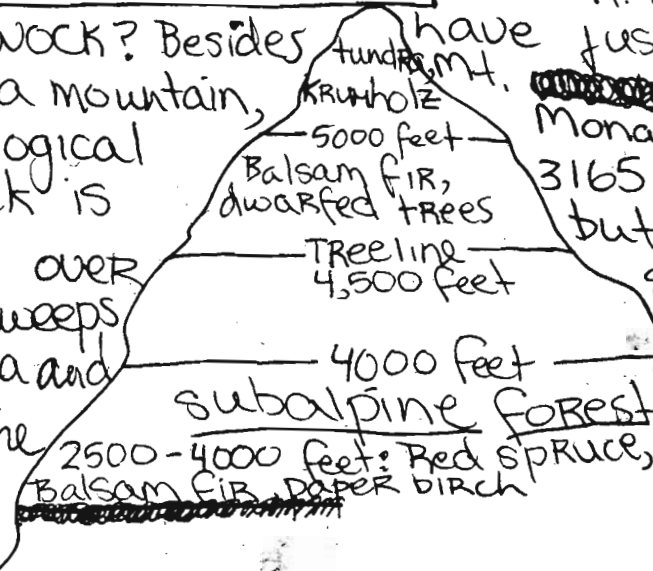
Stacy's trip slip #14
July 24, 1992

Times: 6 am - 6 pm, but get here at 5:45 am so we can leave by 6:00
Leaders: Stacy (965-4988) and Jen (332-7724)

Equipment: Boots, field kit, big lunch,
2 water bottles, raingear,
sweater, trail mix, insect
Repellent

Wow! our first trip to
a mountain with a treeline
But Mt. Monadnock doesn't
have just any old tree line.
~~Monadnock~~ is only
3165 feet above sea level

WHAT IS A MONADNOCK? Besides
being the name of a mountain,
it is also a geological
term. A monadnock is
the mound left over
when a glacier sweeps
over a large area and
levels most of it. The
levelled area is
called a PENEPLAIN.



but most tree lines
start at 4000 feet
above sea level.
Monadnock has a
tree line because
farmers burned
the trees on
the top of the
mountain in
order to
scare away
wolves that
were attacking
their sheep.
It is nearly
impossible for
the trees to
grow back
because of
the harsh
weather
condition
on the top
of a mountain.

FOR every 330 ft.
that we climb
up the mountain
the temper-
ature drops
2 1/2 degrees
Farenheight
since
altitude
affects
temp,
the air
is cooler
at the
summit
spring
weather

Furry forest what a bad pun!

Conifers and Deciduous

Transition Forest: up to 2500 feet

Northern Hardwood Trees - Maples, beeches,
yellow birches

Mountain Zonation

once agains leave only footprints,
take only memories!

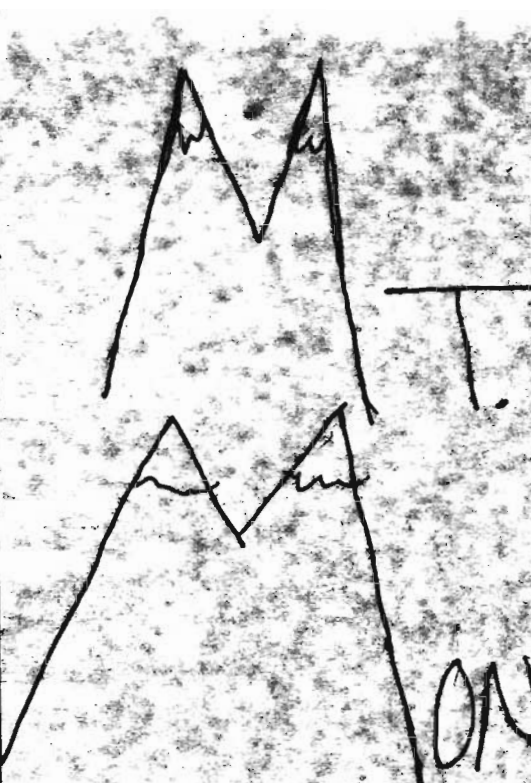
LEADERS:
 JENNY (919-2776)
 +
 MIKE (244-0285)

EQUIPMENT: BOOTS,
 FIELD KIT, BIG LUNCH,
 LOTS OF WATER,
 FULL RAIN GEAR, A
 WARM LAYER, GORP,
 A MATCHBOX CAR, A
 PEZ DISPENSER

HIKER'S COURTESY

- 1) WE ALMOST ALWAYS LET OTHER HIKERS PASS US
- 2) STAY ON THE TRAIL!
- 3) TAKE ONLY MEMORIES, LEAVE ONLY FOOTPRINTS
 AKA- PACK IT IN, PACK IT OUT!
- 4) BE KIND AND COURTEOUS TO EVERYONE AND WE'LL HAVE A PHAT TRIP!

DO WE HAVE A GROUP NAME YET???



MONADNOCK

TRIPS UP # 18
 JULY 24, 1998
 TIMES: 6 AM - 6 PM



YOP, THERE ARE BLUEBERRIES HERE TOO!

SO WE TACKLED THE BLUE HILLS. AND NOW WE'RE OFF TO MOUNT MONADNOCK. MONADNOCK IS 3165 FT TALL AND IS THE SECOND MOST CLIMBED MOUNTAIN IN THE WORLD, ONLY TO MT. FUJI IN JAPAN. MONADNOCK IS A NATIVE AMERICAN WORD FOR "LONE MOUNTAIN". MONADNOCK ALSO USED TO BE AS TALL AS MT. EVEREST, BUT WHAT HAPPENED? WELL, MONADNOCK IS THE REMNANT OF A MOUNTAIN THAT ROSE HIGH AND VIRTUALLY ALONE ABOVE THE SURROUNDING PLATEAU.

MILLIONS OF YEARS AGO

NOW



YOU WILL NOTICE THAT AS WE GET NEAR THE SUMMIT THE TREES WILL BECOME SHORTER AND THEN... DUM, DUM, DUM THERE ARE NO TREES AT ALL! OHH! AHH! THIS IS CALLED TREE LINE - THE POINT AT WHICH IT IS TOO DIFFICULT FOR TREES TO GROW. THIS USUALLY OCCURS @ ABOUT 4500 FT. HEY - WAIT A MINUTE, MONADNOCK IS ONLY 3165 FT - HOW DOES IT HAVE A TREE LINE?? WELL, YOU'LL FIND OUT. AND ARE ALL SO LUCKY, BECAUSE ALPINE ENVIRONMENT AND ZONATION IS MY SPECIALTY! WOO HOO

Mt. Monadnock

Trip Slip # 16

When:

6am - 6pm
July 23, 1999

Where to Meet:

Brown Middle School
Pick up will be at Brown
as well.

Leaders:

Jonathan Rivnay 527-1849
Gabe Yospin 969-3966

Equipment:

Hiking Boots, 2 pairs of Socks,
WATER, *Huge* Lunch, Day Pack
Field Kit (First Aid, Raingear Top
and Bottom), **Warm Layers**
e.g. Sweater

Okay, good, so we made it out of Blue Hills alive . . . now we get to hike up our first *real* mountain. Although Mt. Monadnock *is* tall enough to be a mountain, it is not tall enough to have a treeline, yet for some odd reason it does . . . why? HINT: Consider the effects of sheep, angry farmers and sheepherders, wolves, and fire. (We will go over this on the mountain). Another question to think about when hiking up Mt. Monadnock is, well . . . Why is it named Mt. Monadnock? Where did this silly name come from . . . and this too has a reasonable answer . . . which we will talk about tomorrow as well!

Now, when we start climbing up mountains such as Monadnock and Washington you will notice something very strange happening, very strange indeed. As we go up the mountain you will notice the types of trees change and sizes of the trees getting smaller and smaller (NO, you are not getting bigger and bigger as you hike up). You will notice very short Evergreens near the treeline almost like . . . "mini-trees" (say in Dr. Evil voice), but they are more commonly referred to as DWARFED trees. I bet you're all asking . . . isn't a dwarfed tree the same as a dwarf tree? Well . . . no . . .

DWARF TREE

Normally like this:



Mini-me (2'4") . . . and the tree (2'4")



DWARFED TREE

Like this only in cold harsh climates:



Fun Facts: (by jonathan rivnay)

- Mt. Monadnock is the second most climbed mountain in the world, (Second only to Mt. Fuji in Japan).
- The elevation of Mt. Monadnock (at its peak) is 3,165 ft.
- Every 330 vertical ft. you go up . . . the temperature gets 2½° colder, maybe that's why it gets so cold? Eh-eh? But do you know any other reasons?

Monadnock is Algonquin for "mountain that stands alone."

I have a cat named Honey Cat

Mt. Monadnock is in Jaffrey NH!

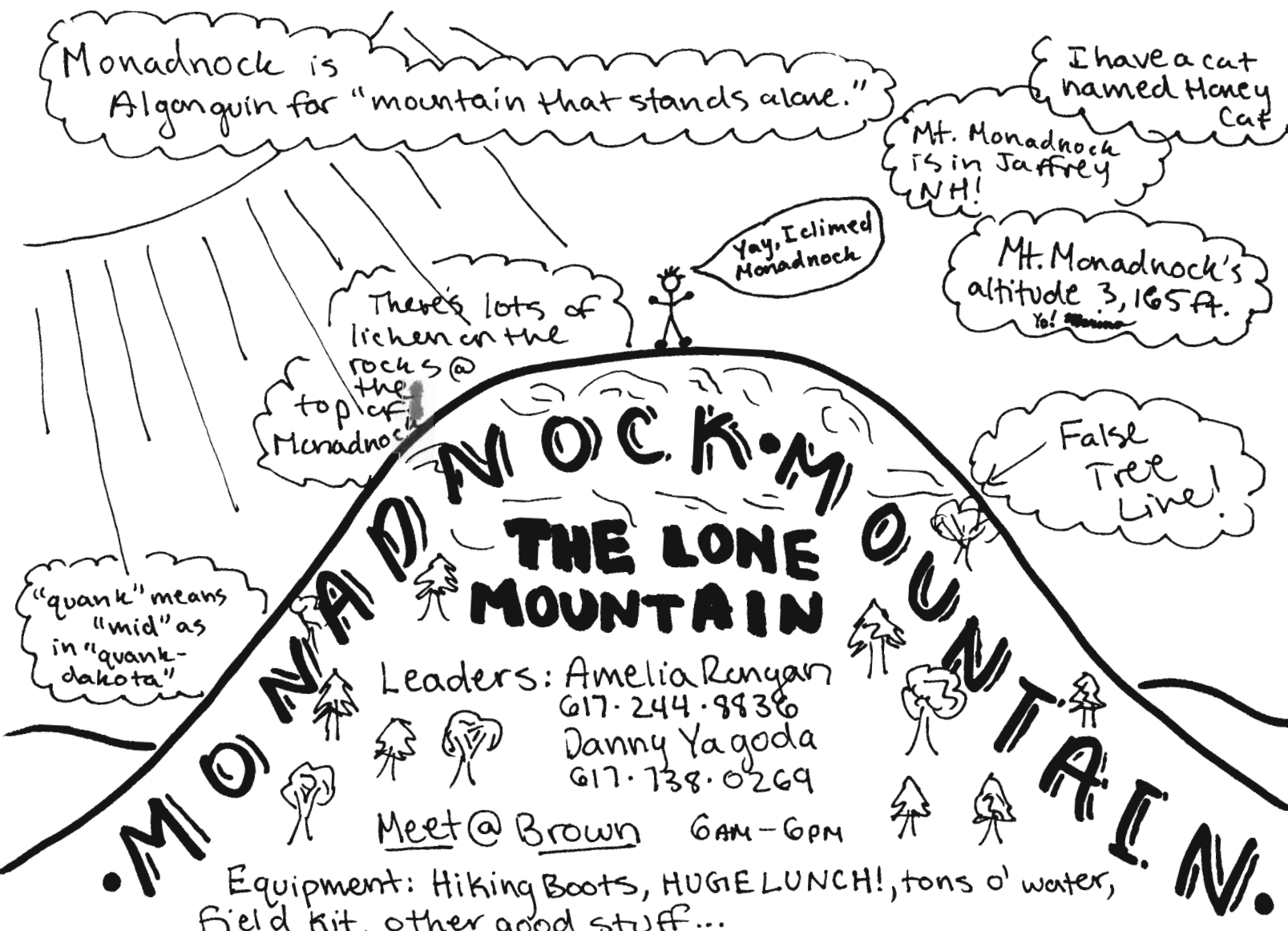
Mt. Monadnock's altitude 3,165 ft. Yo! ~~3,165~~

Yay, I climbed Monadnock

There's lots of lichen on the rocks @ the top of Monadnock

False Tree Line!

"quank" means "mid" as in "quank-dakota"



Leaders: Amelia Rangan 617-244-9836
Danny Yagoda 617-738-0269

Meet @ Brown 6AM-6PM

Equipment: Hiking Boots, HUGELUNCH!, tons o' water, field kit, other good stuff...

Mt. Monadnock is the 2nd most climbed mountain in the world. It is a beautiful place to hike and to sit at the summit and just take in the view. Mt. Monadnock is named this way because it is the tallest mountain in a large are of smaller mountains, it sticks up. Monadnock sticks up because it is made of very hard rock and when all the mountains around it eroded, it stayed intact because it was so strong. When you get to the top of this mountain, you might think you had passed tree line, but then you would be wrong. Because, in fact, all the vegetation on the top of the mountain is burned down, causing it to look like it has a tree line because the top is all rocky. The vegetation was supposedly burned down by shepards who would lose their sheep on the top of the mountain, so they burned down the vegetation so that they would have a clear view to find their sheep.



trip 15

117

Mountain

MEET AT 5 PM

YOU WILL BE LED BY
JEFFRY-YAN 517 332 95#
NATE-YAN 617 796 7762

BRING: BATS, 2 PAIRS OF SHOES, WATER,
TANK, RAINWEAR, WARM LAYER, KATANA

PREPARE YOURSELF, STUDENT-YAN, FOR THE GREAT
MOUNTAIN MOUNTAIN. BOTH PHYSICALLY (THE DATE
FOR THAT) AND MENTALLY! HERE IS A HISTORICAL PICTURE
STORY:



HENCE TREE
LINE OF FALSENESS.

THE VERY MOUNTAIN IN JAPAN USED TO BE THE
MOST CLIMBED MOUNTAIN IN THE WORLD, BUT WAS
DISQUALIFIED WHEN A ROAD WAS BUILT TO THE TOP. WHY?



Trip slip #16 July 26, Thursday

Meet at Brown

Leader: Jeff, who likes wombats (617-332-3617)

Times: 6 AM - 6 PM

we'll do our best to get back on time

Equipment: heaps of water (at least 2 liters), boots, huge lunch, trail mix, 2 pairs of socks, sun block, bug spray, rain coat and rain pants, warm layer (sweater or long sleeve shirt - it's chilly up there!), field kit, first aid kit

Optional: sunglasses, hat, camera, sugary drink like Kool Aid in addition to water *are your boots waterproofed yet?*

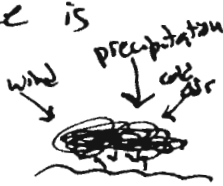
COLD WATER? Try freezing $\frac{2}{3}$ of your bottle and then fill the rest up before you come.

We're off to Mt. Monadnock in Jaffrey, NH. It's the 2nd most climbed mountain in the world! The word Monadnock is an Algonquian word meaning "lone mountain." This will be good preparation for Mt. Washington cause there are some steep climbs. The summit is 3165 ft high! The mountain was formed approximately 400 million years ago. In the past, the land was used as a grazing area, but that is no longer. Mt. Monadnock has a false tree line. What the heck is a tree line and how can it be "false." We'll also start seeing some alpine wild flowers that we'll also find at Mt. Washington.



A dwarf tree is naturally small

A dwarfed tree is smaller because of its surrounding environment.



Why do trees get smaller as we get higher up the mountain?



MOUNT MONADNOCK

RIPSLIP #17 JULY 25, 2002

6:00 AM - 6:00 PM @ BROWN M.S.



Nate "Bourgeoisie" Kaufman (617) 969-4144

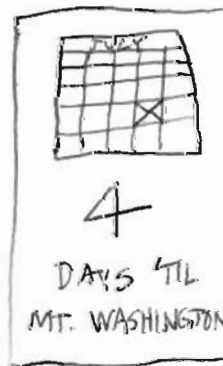
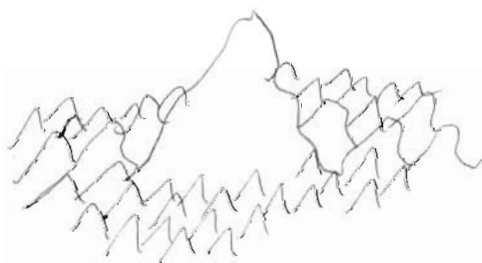
Amelia "Paparazzi" Fvnyan (617) 244-8836

EQUIPMENT: BOOTS, FIELD KIT, LOTS AND LOTS OF WATER, RAIN GEAR (COAT & PANTS), A WARM LAYER (SERIOUSLY, IT GETS COLD), GORP, A CONTINUUM TRANSFUNCTIONER, AN ENDOPLASMIC RETICULUM

WE'RE DONE WITH THE WIMPY HILLS... NOW WE'RE ON TO THE MOUNTAINS! LOCATED IN JAFFREY, NEW HAMPSHIRE MT. MONADNOCK, AFTER ONLY MT. FUJI IN JAPAN, IS THE SECOND-MOST CLIMBED MOUNTAIN IN THE WORLD! IT STANDS 3165 FEET TALL... NOT QUITE TALL ENOUGH TO HAVE AN ALPINE ZONE (ABOUT 5000 FEET)... YET, IT DOES!! BUT HOW, NATE? HOW? WELL, PRIG, THIS ISN'T AN ALPINE ZONE AT ALL. NO. IT IS A TREELING, YES, BUT FAKE ONE! HOW COULD A MOUNTAIN HAVE A FAKE TREELING? YOU'LL JUST HAVE TO FIND OUT TOMORROW. HINT: SOMETHING TO DO WITH WOLVES AND FIRE.

FUN FACT:

MONADNOCK IS A NATIVE AMERICAN WORD FOR "LONE MOUNTAIN!"



MT. MONADNOCK

Mt. Monadnock MT. MON

Rock mt. monadnock

mt. monadnock MT. MON

adnock Mt. Monadnock. TRIPSLIP# 17

YOUR FEARLESS LEADERS:

TIMES: 6AM - 6PM

Amelia "Gi" Ryan

617-244-8836

Nate "Dogg" Kaufman

617-969-4144

Meet @ Brown

Equipment: Boots, 2 pairs of socks, TONS of H₂O, a big yummy lunch, rain gear, 1st aid, GORP, A warm layer (this important it can get really cold)

Mt. Monadnock is the 2nd most climbed mountain in the world.

It is a fun hike with a rewarding view. The name "monadnock" is Algonquin for "mountain that stands alone." The reason it stands alone is because it is made of very hard rock, so the mountains around it eroded but it stuck around because it was so strong. It's elevation is 3,165 ft., not tall enough to have a tree line, and yet it does because shepards supposedly burned down the vegetation so they could find their sheep on top of the mountain. See you then!

Mt.

Thipslips #17

Danny Yagoda (617) - 738-0269
JEFF D ~~G~~ (617) - 964-7845

Monadnock

July 25, 2002

Pick-up/Drop-off @ Brown Middle School

6 AM - 6 PM ^B = wow, that's 12 hours!

Equipment: HIKING BOOTS, 2⁺-3⁺ OF WATER (this is very important), an enormous lunch with great goodies for your wonderful leaders (☺), Bug-spray/sun-screen, rain gear, extra warm layer (it's cold @ the top), field kit

As you know guys, from our trip to Blue Hills, that we are the bestest group! So like all best groups, we need a best group name! For tomorrow, please be thinking of group name (anything from "umajabaja" to "the best group ever")
Fun Fact about Mt. M^s It ~~was~~ is the 2nd most climbed mountain in the world!

Where: Brown Middle School

When: 6 AM - 6 PM

Trip slip #17

MOUNTAIN SEQUENCE, PART II:

Thursday, July 25th, 2002



MT. MONADNOCK

STUFF: Hiking Boots, 2 Pairs of Socks, AT LEAST 2 Liters Water, sunblock, bug spray, a lunch to end all lunches, full raingear (👤 + 🧥), field kit (w/moleskin), a warm layer, some GORP if you have it, one (1) Babe Ruth OR Ted Williams Rookie Baseball Card (in mint condition)

Now that we've finished the pansy McShortHill that is Blue Hills, it's time to tackle a real mountain: Mt. Monadnock.

With an elevation of 3165 feet, is actually qualifies as a

mountain. So it's a mountain. It also has a treeline, which is not supposed to be there! It's called a "false treeline." Let's take a look at a normal mountain:

THE FALSE TREELINE WAS MADE WHEN SOME PYROTECHNIC FARMERS GOT A PARTY GOING (MORE ON THIS LATER...)



JOEY FAISE BAKER (617-949-0255)
GABE TREELINE (617-248-3966)

BREAK-IT-DOWN SECTION:

Mt. Monadnock's name comes from the Algonquin word meaning "lone mountain." It got this name because Mt. Monadnock is the only mountain in its area. We'll talk about why on the mountain.

Get Psyched and whatnot.



OFFICIAL M.T. WASHING TON COUNTDOWN:



DAYS!

6:00 AM - 6:00 PM

w/ Leaders: Jeff DeCew

(oooh, yeah) 617-964-7845
Dunny Yagofa
617-738-0269

MOUNT

MONADNOCK

They're griverrreat!



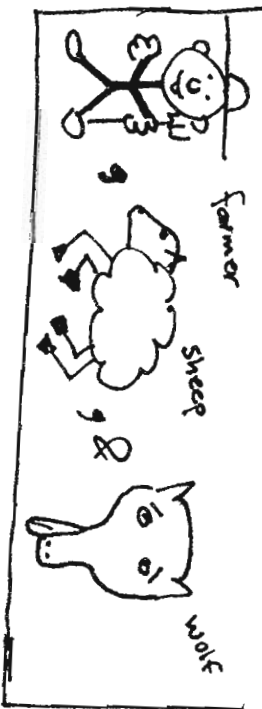
Do you know what Monadnock means? It means "lone mountain" because it is one of the most secluded mountains there is.

It has what is called a false tree line where trees just stop growing. It is false because it is caused by fires set by farmers, rather than altitude.

Equipment:

Sun Screen, Notebook, First aid, Bug spray,

Rain gear, Field kit, Huge lunch, warm later winter



who can tell you the ecological atrocity of the...

Joey - 617-969-0288

who is leading with...

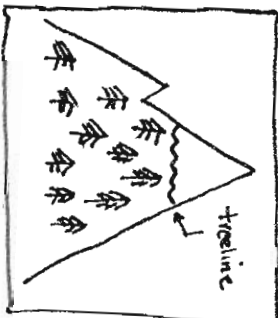
Gabe - 617-969-3966

which is 20 years, 2 weeks, and one day after this guy was born...

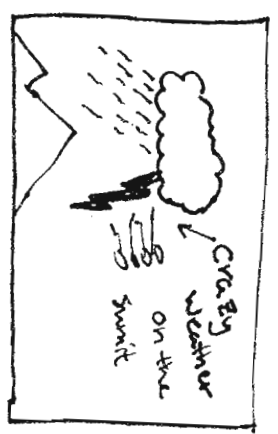
Thursday, July 25 2002

is the trip well be doing on...

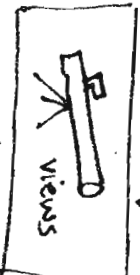
which leads to a good explanation of...



which is at least partly responsible for the...



but does ma for some rea great...



and...

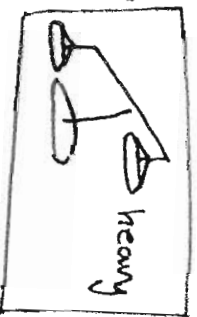


So make sure you're at...

Brown M.S.

Equipment: Boots with 2 pairs of socks, at least 2 liters of aqua (water) and a big, delicious lunch, field kit (with a first aid kit, notebook, compass (maybe), extra warm layer, rangers top + bottoms, portable backhoe with blueprints for ditch-digging

which can get...



but that's okay, because when we get to the top of...



or else you'll miss the whole...

at... AM - 6 PM

MT MONADNOCK

we're going to have a super-huge...

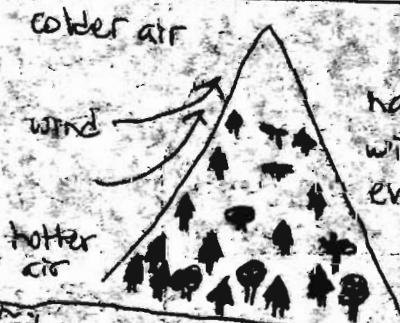
Leaders: Personus Coolus - Jeff Wong 332-3617 or 243-398;
 Leadera Smarta - Angela Simunovic 527-7993

Times: 6am - 6pm Date: July 24, 1997

Meeting Place: Brown Middle School Trip slip # 18

Equipment: field kit with first aid kit and spare change,
 boots which should be waterproofed, lots and lots of H₂O (if
 you were running out of water on day trips, then bring
 more!), full rain gear, yummy trail mix, bag lunch, sun
 block, bug repellent, wear 2 pairs of socks, a warm layer
 optional → sunglasses, hat, sugary drink (ie Kool-Aid, Gatorade)

Well, now that that business is done... Yay! We're off to
 Mt. Monadnock, one of my favorite trips. Monadnock is located
 in Jaffrey, New Hampshire and is the second most climbed
 mountain in the whole wide world (second to Mt. Fuji in Japan).
 The elevation at the peak of the mountain is 3,165 ft. If you
 think that's high, just wait until Washington... 2 nifty things
 about Mt. Monadnock: the mountain has a false tree line
 and it was formed about 400 million years ago



As we climb Monadnock and Washington, we'll
 notice that the trees become shorter and a bit
 wider. These trees have adapted to the specific
 environment up there where there is colder air,
 more wind, and more exposure to the elements
 than the bottom of the mountain.

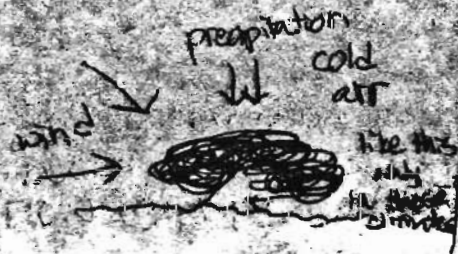
DO WE HAVE A GROUP NAME YET?

- How was Monadnock formed?
- 1) 400 million years ago, sediments began to layer
 - 2) folding followed sedimentation in the region
 - 3) then there was exposure to millions of years
 of wind, rain, and ice

DWARF TREE



DWARFED



- What does Monadnock mean?
 1) 2 miles. Dues to a rocky person
 2) observation of something your
 left leg
 3) act of singing the sound of
 music in the shower
 4) lone mountain
 5) an extra large spoon



Mt. Monadhnock

Thursday
July 26,
2007

Meet @ Brown Middle School

Times: 6AM - 6PM - long day!

Leaders: Danny Yagoda
(617)-738-8269

Amelia

(617)-244-8836

Equipment: 3 liters of H_2O , 2 pairs of socks, the biggest most enormous mother-lunch you have ever bagged, raingear, a warm layer and snacks for the way up.

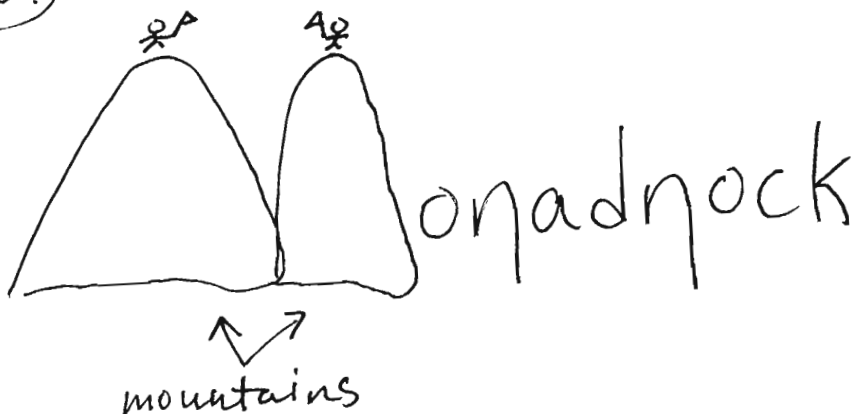
Mount Monadhnock is the 2nd most climbed mountain in the world! (Mt. Fuji in Japan beats it, but only by a little.) The elevation of Mt. Monadhnock at its peak is 3,165 ft. As we reach this high altitude the temperature will drop ($2\frac{1}{2}^\circ$ for every 330 vertical ft. to be exact) and the trees are shorter. These trees are known as Dwarfed trees - can you guess why?

Time: 6AM-6PM
(... of the essence!.)
Meet @: BMS

Date: 7/101

Leaders: Sarina "And then" Yospin
(617) 969-3966
Julie "No and then" Greenwald
(617)
Tripslip #16

Do we have a group name yet?
???



I believe it's safe to say that we have established ourselves as the hippest and generally cold chillin' group on this side of the Mississippi by now. Oh, yes. So now, all we need to do is reaffirm, in our hearts and in the hearts of others, our reputation of greatness. Luckily, we will have that opportunity on tomorrow's trip (see above for more in-depth coverage). ^{you must bring:}

- | | | |
|---|--|---|
| E | • <u>so much</u> water (@ <u>least</u> 2 liters) | - BOOTS! |
| Q | • crazy mad big lunch | • GORP, if desired |
| U | • rain gear (top & bottom) | (see below) |
| I | • regular field kit | • an appetite for FUN! |
| P | • daypack | HEY HEY |
| M | • a warm layer (summit is windy + chilly) | |
| E | • a picture-taking device, a.k.a. "camera" | |
| N | • a staple remover | |
| T | • at least one good joke | • Timeliness ^{i.e. BE ON TIME} |

Student: But Sarina, why is this thing called "Mt. Monadnock"?
Sarina: I'm glad you asked, student. "Monadnock" means "lone mountain."



Student: Whoa! That pic of the mountain looks like it had a treeline. But it's not high up enough. What's up?

Sarina: Man, can people screw things up. When wolves were eating sheep in the area, farmers burned the upper zone of the mountain to create a 'wolves' habitat. False treeline! Dude!



Leaders: Savina Coolus Maximus Yospin (969-3966)
 Jon Kickenus Chickenus Rivnay (527-1849)

Times: 6am - 6pm

Meet @ and Pick up from: BMS
Date: July 25, 2002

Equipment: Daypack, field kit, boots with 2 pairs of socks!, so much water (if you ran out on daytrips, bring more!), delectable lunch suitable for sharing with us leader-types, sunblock, bug spray, warm layer (it's cold at the top)
 Optional: Trail mix, camera, shades, hat

With that stuff out of the way, we can focus on the cool stuff - like that we're climbing Monadnock tomorrow! Cool! Did you know that Mt. Monadnock is the 2nd most climbed mountain in the world? Dude. So what do you think is the 1st? *

#Mt. Fuji, Japan

do we have a group name yet? well, do we?

Mt. Monadnock is about 3165 ft high. Treelines usually start at about 4000 ft up. So why does Monadnock have a tree line?

A while ago, farmers grazed sheep around Mt. M.



Then, wolves who lived on Monadnock wanted sheep for dinner. Farmers got angry at the predatorial wolves, and tried to burn down their habitat to kill them, it worked, and that man-made tree line is still there.

What does "Monadnock" mean in Algonquin?

- a) Ecuadorian land lizard
- b) Jaffrey, New Hampshire
- c) a French albino hamster
- d) The mountain that stands alone

If you answered d), you're pretty dumb. It was c). Just kidding. Mt. M stands alone because when glaciers came through, they mowed down some surrounding stuff, but Mt. M. was stronger, so it survived.



Gordon Noble #16

244-9304

Peter Montague

969-9196

July 25, 1994

Times 6:00 A.M. - 6:00 P.M.

be here at 5:45 A.M.

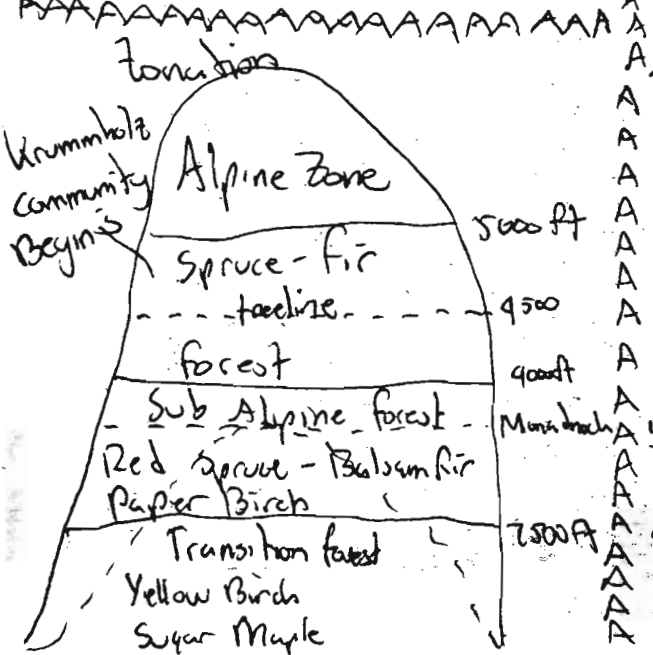
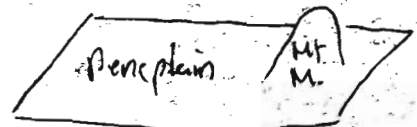


Equipment: Complete field kit,
 Big lunch, 2 not 1 but 2 canteens,
 Rung gear - pants and Sackel, light
 sweater, 2 pairs of socks and trail mix.

Today we're going to the Lone Mountain,
 (This is the translation of Monadnock to Hmmm you
 might say, why is it a lone mountain - where the
 other ones. Well, there is a good reason for that
 A Monadnock is a Monadnock. - Duh. No, actually

Mountains
 Monadnock has a strange history.
 It is 3165 feet high, and it has
 a tree line (4500 ft). Huh, 4500 ft
 how does Monadnock have a
 tree line? Actually it is a cool
 but heart reaching tale that
 will be explained on the Mountain.

A a Monadnock is a Geological feature. It occurs
 A When a glacier or erosion cuts away at a mountain,
 A In a Monadnock all the other Mountains around
 A it have been eroded away forming a Peneplain
 A It fact Mt. Monadnock was once higher than
 A Mt. Everest.



Do you know that Both the Bluehills and
 Wachusett are Both Monadnocks?
 A A is for alligator
 A Did you know it is the temperature of the summer that
 A determines tree line. Trees cannot grow in temperatures
 A under 50°F. So in the winter they are dormant.
 A Also the temperature drops 2 1/3 °F for every 330 ft
 A you climb. So what will be the temperature at 1500 ft
 A if at sea level it was 70°F?

On Monadnock there are many funny trails. If you
 are not nice to me I will take us on Pampelly the longest
 trail on the Mountain - Hec Hec - Hec Hec

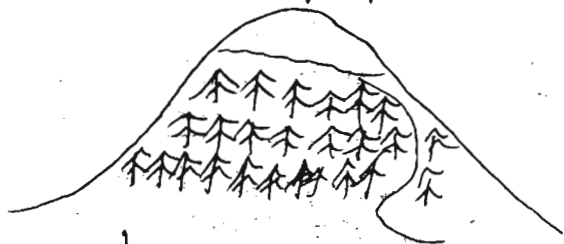
July 24, 1992

Times 6:00 A.M. - 6:00 P.M.

Leaders - Gordon 244-9304

Garen - 332-9015

Equipment: Complete field kit, 2 canteens, BIG lunch, 2 pairs of Sox, bug spray, Raingear w/ pants, sun block, light sweater or sweatshirt, Trail mix - Gorp, Day packs.



Mt Monadnock.

A.I. NOT!!

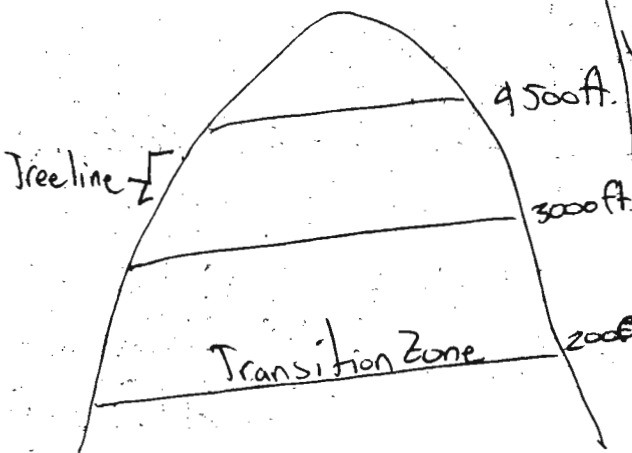
Group

Kimball
Sarah N.
Allan
Eben
Lauren
David Z.

This is one of the first "real" mountains we climb. It is 3165! It is the 2nd most climbed mountain in the world. (Mt. Fujiyan is the most climbed.) In Native American Monadnock means "Lone Mountain." This mountain has many false summits but it also has one other strange feature. It has a false tree line. What do you think could have caused this? Most treelines in this area begin around 4200'.

When we are on the mountain you will notice a difference in temperature as we climb up the mountain. For every 330 ft we climb the temp. drops 2 1/2°. Garen's trip slip has a chart which can help you to look at that. It's really cool and important you look at it!!

Zones of the mountain.



Questions and more!

1. What is a Monadnock. (hint: some of you may have read about it at Wachusett.)
2. We will talk about penedains
3. How do trail blazes help us when we are on the trail.
4. And most important, we have to get a group name!!

Cairn.



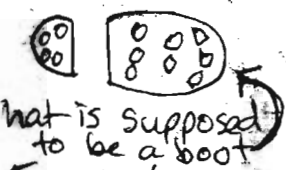
Don't disturb a cairn or the cairn monster will get you!

START: 6 AM > Note unusual times
END: 6 PM

LEAVE: From South parking lot

Your Leaders: Me (Molly) 965-1979 + Delio 244-3377

Monday July 22nd, 1999
TRIPSLIP #15



what is supposed to be a boot

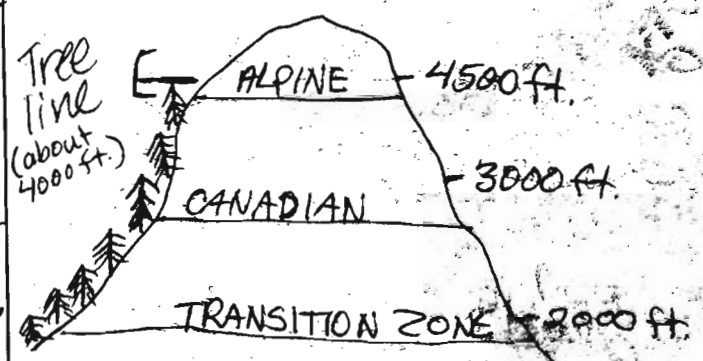
Mt. MONADNOCK

Equipment: Two bottles of H₂O, 2 pairs of socks, big Lunch, Day pack, bring sweater or sweatshirt, Bug repellent.

Monday is the day we bus ourselves to New Hampshire and climb Mt. Monadnock, a 3165 foot mountain. A Monadnock is the mound of matter left over when a glacier sweeps across a large area and levels it. The levelled areas called a peneplain.

Altitude has a direct affect on the change in temperature that we encounter while hiking up the mountain. For every 330 ft. up that we climb, the temp. will ~~fall~~ fall 2 1/2°. So the difference between the temp. at the base and at the peak will be 10°. On ~~Monday~~ Monday we prepared ~~to~~ to be a lot cooler at the summit, and bring a ~~lightweight~~ lightweight jacket.

A QUICK LOOK AT ZONATION:



Eventhough Mt. Monadnock is only about 3000 ft, there is a tree line marking the area where farmers burned down trees to scare away the wolves that were attacking their sheep.

We will be taking the WHITE ARROW TRAIL up to the top and then descending down the WHITE DOT TRAIL.

AMC motto: Leave only footprints, take only memories!!

I'm very sorry about Delio's trip slip. You have to excuse his rearranged mind.

July 24, 1992

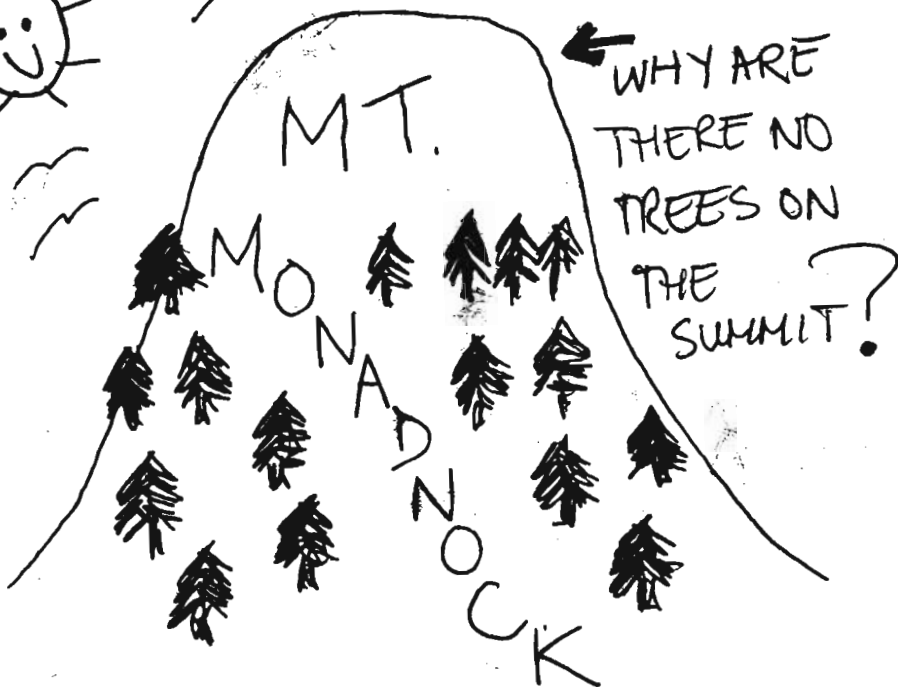
Times: 6AM - 6PM -

be sure to get plenty of rest the night before!

Meet in Newton South parking lot

Leaders: Pam (577-5831)
Dellio (244-3377)

PAM'S TRIPS UP 14



- Equipment:
- Field kit
 - Rain gear
 - Big lunch
 - snacks (Gorp)
 - bug repellent
 - 2 canteens - you might want to bring 1 with a sugary solution
 - gum (optional)
- * wear 2 pairs of socks in your boots! *
- * you may want to bring chocolate. oranges are a good idea!

Mt. Monadnock is the last mountain training trip before Mt. Washington! Something to notice on both Mt. Monadnock and Mt. Wachusett are things called CAIRNS. These are piles of rocks which serve as trail blazes. Why would cairns be helpful on mountains? Why not have only blazes? What exactly are trail blazes?

MOUNTAIN ZONATION

what is zonation?

what can zonation tell a hiker that is helpful?

HELPFUL?

TUNDRA (dwarfed trees) * 5,000 ft.

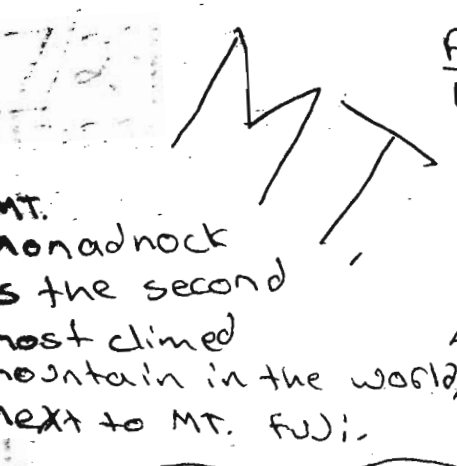
Balsam Firs predominant treeline 4,000 ft.

subalpine (red spruce, balsam fir, paper birches) 3,500 ft.

Northern Hardwoods (maples, beeches, yellow birches)

* dwarfed trees: trees that are normally big but have been forced to be small

Some mountain geology - Mt. Monadnock is a type of geological formation called, surprisingly, a MONADNOCK. Another monadnock we have seen is Mt. Wachusett. A monadnock is a remnant of a mountain which rose high at one point. The mountain was worn down by a millennia of natural factors. What are these natural factors? Why is part of the original mountain still around? What is it composed of? **HAVE FUN TODAY!**



Place:
Newton
South

Time:
6am - 6pm

Leader
Peter M.
969-4106

Trip Slip:
17

Equipment:

lots of water, lunch,
liner socks, field kit, day pack,
rainingear, extra layer (to keep warm),
trail mix for snacking.

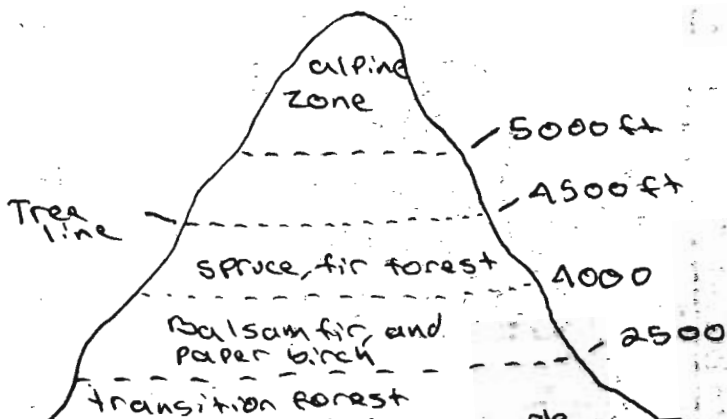
MT. Monadnock
is the second
most climbed
mountain in the world,
next to MT. Fuji.

MONADNOCK

MT. Monadnock, like other mountains has a tree line. What's a tree line you say? A tree line is the point on a mountain where the weather is too severe for trees to grow their normal size. Weather would be an abiotic factor in the growth of the trees. Except MT. Monadnock's tree line is a false, this happened because a very long time ago a hurricane tore through Mt. Monadnock. This created many places for wolves to live within the fallen trees. The farmers in the area wanted to get rid of them so they set fire to the Mt. After the fire soil never collected on the summit and trees haven't grown there since.

Yeah...
Oooh...
Aahh...

Mt. Monadnock also happens to be a monadnock, monadnock means lone mountain, but it was not always alone. There were once other Mt.'s surrounding Monadnock, but through abiotic factors like wind, water, and glacial erosion the surrounding mountains were eroded away.



What could be a biotic factor for trees not growing on the summit of Mt. Monadnock?

leaders:

Jenny
(969-2776)

+
Dan P
(964-1313)

Trip # 17

July 25, 1996

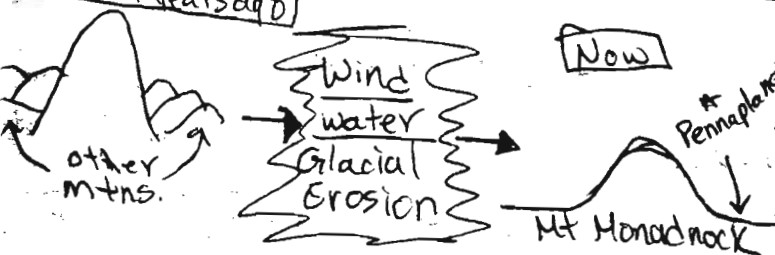
★ 6 AM - 6 PM ★

MT.
MONADNOCK

Mount Monadnock is named because it is a geological formation called a Monadnock. A monadnock means "lone mountain." It is a remnant of a mountain that rose high and virtually alone the surrounding plateau millions of years ago.

Alrighty - today we're traveling to New Hampshire to climb our first real mountain. This mountain is also the second most climbed mountain in the world. It is second only to Mt. Fuji in Japan. Monadnock is 3165 ft. high.

- EQUIPMENT
- Boots
 - Field Kit (including RANGEGEAR TOP+BOTTOM)
 - BIG Lunch
 - Lots of Water
 - GORP/Trail Mix
 - Warm Layer
 - Bug stuff



Makesure that you get a good night's sleep the nite before. This is a tiring trip.

You will notice that as we get near the summit, the trees will become shorter and then... dum dum dum... there are no trees at all. Oooh! Ahhh! This is what is called the treeline - the point at which trees stop growing. Usually treeline occurs at around 4500ft. Hey - wait just one second there - Monadnock is only 3165ft tall, so how come it has a treeline?

When we get on the mountain we'll talk a bit about Mountain Zonation and aren't you all lucky because my specialty is alpine environments, which will come in handy on the big Mt. W, but will help here too! ☺

LEADER

JENNY
(969-2776)
JEFF (332-3617)

TRIPSLIP #17

JULY 24, 1991

6 AM - 6 PM
ARRIVE
DON'T BE LATE.

MT.
MONADNOCK

ONLY
MORE DAYS
TILL THE
BIG MT. W
YIPPEE!

EQUIPMENT:

BOOTS, BIG LONG
LOTS O' H₂O, WEAR
2 PAIRS OF SOCKS,
FIELD KIT W/ RANGER
(GAS + BOTTOMS),
BUG STUFF, A
WARM LAYER,
GORP (OPTIONAL),
ENERGY!

TODAY WE'RE HEADED FOR NEW HAMPSHIRE AND
GOOD OLD MT. MONADNOCK. THIS IS OUR FIRST
REAL HIKE AFTER WARMING UP ON THE BLUE HILLS,
AND IT'S A TOUGH HIKE SO GET A GOOD NIGHT'S SLEEP

WHY IS MONADNOCK SO NAMED?

MOUNT MONADNOCK IS NAMED
BECAUSE IT IS A GEOLOGICAL
FORMATION CALLED, SURPRISE,
A MONADNOCK. MONADNOCK
MEANS "LONE MOUNTAIN!"
IT IS A REMNANT OF A MOUNTAIN
THAT ONCE ROSE HIGH ABOVE
AND VIRTUALLY ALONE OF
THE SURROUNDING PLATEAU.

AS WE GET NEAR THE SUMMIT
OF MONADNOCK YOU'LL NOTICE ALL
THE TREES GET SHORTER AND
THEN... THERE ARE NO TREES AT ALL!
THIS IS CALLED TREE LINE - THE
POINT AT WHICH TREES CAN NO LONGER
GROW. TREE LINE USUALLY OCCURS
BETWEEN 4000 FT - 4500 FT. HEY,
WAIT JUST ONE MINUTE, MT. MONADNOCK
IS ONLY 3165 FT. TALL, SO HOW

MILLIONS OF YEARS
AGO



COME THERE'S A TREE LINE

DOES EVERYONE KNOW HIKERS ROUTE

ON MT. MONADNOCK WE
CAN START TALKING ABOUT
MOUNTAIN ZONATION, WHICH
WILL LEAD INTO, MY SPECIALTY
ALPINE ENVIRONMENTS!

Fun Fact: MT MONADNOCK IS THE
SECOND MOST CLIMBED MOUNTAIN IN THE WORLD
TO MT. FUJI IN JAPAN

Leaders: Jeff Wong (332-3617) and world famous trapeze artist Jenny Casavant (969-2776)

Times: 6 AM - 6 PM ^{← That's pretty late, huh?} Date: July 24, 1997
^{↑ That's pretty early}

Meeting Place: NEWTON SOUTH Trip slip #17

Equipment: Field kit, lots of water, boots (I hope they are waterproofed by now!), full rain gear, big lunch, a warm layer, sun block, bug repellent, trail mix, wear 2 pairs of socks

Optional: sunglasses, sugary drink, hat, a bowling ball

Countdown to Mt. Washington
 5 days

JUST KIDDING

Guess what? It's time for your first real mountain! Your next mission, Mt. Monadnock: elevation 3165ft. That's pretty high, huh? There are 2 nifty things about Mount Monadnock that you should know: this mountain is the 2nd most climbed mountain in the world (the most climbed is Mt. Fuji in Japan). The other cool thing is that the mountain has a false tree line. How can that be? Monadnock's ~~elevation~~ ^{elevation} is at 3,165 ft. but the real one is at 4,500 ft. (tree line) Why would that happen?

HIKER COURTESY

- Envi-sci always lets hikers pass us by
 - STAY ON THE TRAIL!!!
 - Pack it in, pack it out
 - Be nice to everyone, especially to your leaders
 - most importantly,
- HAVE FUN!

I have a few questions for you...

- What's the difference between a dwarf and dwarfed tree?
- What is a krummholz?
- Why is Mount Monadnock called the lone mountain?
- Do we have a group name yet?
- Why are your leaders so awesome?
- What is inverse of $2\sqrt{9}$ and $-4\pi/3$?

How was Mt. Monadnock formed?

In a very brief answer, 400 million years ago (a very long time ago), layering of sediments began. Folding followed sedimentation in the Monadnock region. Folding was followed by millions of years of wind, rain, and ice.

- 3 toothed cinquefoil
 - Mt. cranberry
 - Mt. Sandwort
 - Goldenrod
 - 3 forked fish
 - 3 leaved Gate
 - Salmon seal
- Some common plants there,



Mt. Cranberry

- and a what si youd plant?

MONADNOCK MOUNTAIN

Leaders

Jeffrey Wong 332-3617

Sarah Northrup 965-4602

Times: 6am-6pm ← DON'T BE LATE!

Date: July 25, 1996 Trip slip #17

Meeting Place: Newton South Parking Lot

Equipment: Field kit, boots, lots of water, full rain gear, big lunch, a warm layer, sun block, bug repellent, wear 2 pairs of socks, trail mix

Optional: sunglasses, sugary drink, hat, \$ for Jeff and Sarah



Mt.
Monadnock



Well, you have completed your first mission of the mountain sequence; the Blue Hills were awesome! Our next mission is Mt. Monadnock which is 3165ft high. There are 2, not 1, but 2 unique features of Monadnock. First of all, it is the second most climbed mountain in the world. (The most climbed is Mt. Fuji in Japan) Second, the mountain has a false tree line. Huh? That's impossible! Well, not really. The normal tree line is around 4500ft high. What would create a false tree line? (Refer to Sarah's trip slip for the answer.)

Some Monadnock history...

- Monadnock is a Native American word meaning "lone mountain"
- Mount Monadnock used to be as tall as Mt. Everest; what would make it smaller? (think glaciers!)
- We will be the best group ever to set foot on Mount Monadnock!
- The flat area around the mountain is a peneplain.

Hiker Courtesy

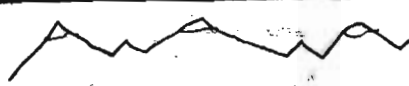
- We almost always let hikers pass us by.
- **STAY ON THE TRAIL!**
- Take only memories, leave only footprints ○ ○ ○ ○
- Don't leave trash! Take it with you.
- Be nice to everyone, especially to your leaders
- Most importantly, **HAVE**

😊 FUN !!! 😊

Do we have a group name yet?

3 lines

Do you know...

- 
- the difference between a dwarf and dwarfed tree?
 - what krummholzes are?
 - what it means for a plant to be endemic or indigenous to a certain area like an alpine environment?
 - why Mt. Monadnock is called the lone mountain?
 - why Jeff + Sarah are so awesome?

TRIPSLIP #15

23 July 1990

Leaders: Jen & Rachel

(332-7724) (332-7372)

Students: Martha M.

Sarah D.

Suchi S.

Dan O.

M + M + Monadnock

(1)

EQUIPMENT: Complete Field kit, Big lunch, 2 canteens, Rain gear (inc. pants), light sweater, 2 pairs of socks, trail mix.

TIMES: 6 AM (got here at 5:45) to 6 PM

Monadnock is 3165 feet

{ high tall } (pick one)
{ above sea level

However, though TREE LINES (elevation at which non-dwarfed trees stop growing) usually start at around 4000 feet

Monadnock has a tree line.

WHY?

{ high tall } (all are correct)
{ above sea level }

For every bodacious 330 ft. you climb \uparrow (up!), the air temperature drops $2\frac{1}{2}^{\circ}$ F. Combine that with wind chill factor, and it could be $\left\{ \begin{matrix} \{ \} \} \} \{ \} \} \} \{ \} \} \} \{ \} \} \} \{ \} \} \} \{ \} \} \} \end{matrix} \right\}$ at the top. So LAYERS work well - put on as you reach the top, take off as you go down.

MONADNOCK is not just the name of \downarrow awesome mountain, it's a GEOLOGICAL TERM (oooo! AAAA! (ew!)).

The technical definition: prominent isolated hardrock remnants of a prolonged period of erosion.

HUH?

Well, to put it more simply, a monadnock is what's left after glacial movement sweeps across an area and levels it, or after natural erosion levels most of an area. (The levelled area is called a PENEPLAIN).





Leaders: Jesse Sayles with his now one year old yellow Fox whistle (965-2719) Tripslip #

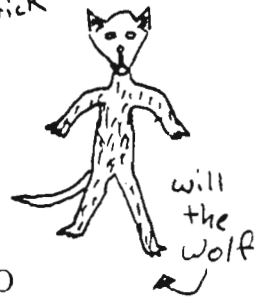
or
My personal hero, Alex Kraus (964-7768)

July 23, 1999

Times: 6 AM - 6 PM

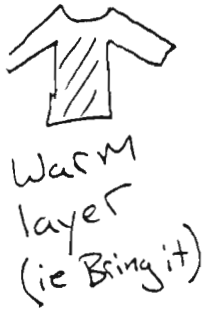
@ Brown Middel school

Jesse w/ his head in a bag →  Alex on a Pogo stick → 



Mt. MONADNOCK

Equipment: Backpack, lunch, @ least 2 quarts of H₂O, boots(which should be H₂O proof) **two pairs of socks**, Field Kit (With FULL rain gear, that means pants too), a warm layer, GORP/trail mix, A fully rested and energized body ready to concur a mountain.



-----!@#%&*()_+|-----
Jesse: Well, both our groups made it through the first trip in the mountain series, now what Alex?



Alex: Now it's time for the first actual mountain of the mountain series, Mt. Monadnock. Mt. Monadnock has an elevation of 3165 ft, and has a tree line. Because of this we will be able to see some mountain zonation. Some plants we will see are 3 toothed cinquefoil, Mt. cranberry, Mt. sandwort, goldenrod, 3 forked rush, and 3 leafed false solomon seal.

Jesse: But Alex, how can Mt. Monadnock have a tree line when it's only 3165 ft tall, and tree line occurs in altitudes of 4000 - 4500 ft?

Will: I'll answer that. Monadnock has a false tree line. You see what happened was.....

Alex: Will, don't give it away, let the students try and figure it out.

Will: Sorry.

Alex: It's O.K. Hey Jesse, what was that?????

Jesse: That was a Cairn monster. For those of you that don't know, a Cairn is what we use as trail blazers above tree line. Ail they are, are large piles of rocks. We will use them to find our way on Monadnock, and Washington. When you pass a Cairn, you are supposed to add a rock, and if you don't the Cairn monster will get you.

Cairn monster: Graablboockabooblaag Grrrrr. Grrrrrrr. Blaccabacablccablaak.

Extra credit for life questions: Why dose Mt. Monadnock have a tree line?

Describe an exampel of xerarch sucsetion.

What is the first and second most climed mountans in the world?

Who wrote the folowing poems: Mariana? Come up from the fields, fother? To a Skylark?

Because it's a mountain + the top was burned
Mt. Monadnock + um... Everest?
um... no?



tripslip #15
July 25, 5A - 8:30PM

Mount Monadnock,
Jaffrey, New Hampshire
Dave's group, 969-6074

WEAR: hiking boots with
two pair of socks under-
neath, shorts, belt & can-
teen, hat and sunglasses
(optional)

BRING: field kit, Monad-
nock guide, first aid kit
a GOOD lunch and extra
beverage (note times),
extra shirt or windbrea-
ker, camera and binocu-
lars (optional)

READINGS

Basic Eco: pp. 150-151
Monadnock Guide: pp. 4,
7-8, 25-33 (geology),
35-36 (weather), 84

page 3

4) to study an artificial
above treeline zone and
become familiar with this
historic mountain

5) to find minerals

6) to use a geologic map

7) to see the effects of
wind, rain, fire, and feet

QUESTIONS

1) What is the dominant
bedrock?

2) How was the mountain
formed?

3) What is the meaning of
the term "monadnock"? Does
it accurately fit this
peak?

4) What is a cairn?

page 5

TRAILS:

Ascent: We will hike in
on the Dublin Trail, a
climb of about 1700 feet.

Descent: (better get out
your maps for this)
White Arrow Trail, south
to Side Foot Trail, east
at second left to point
6 (trail unnamed), south
on same trail to Pt.
Surprise, zigzag to Parke,
east to Old Keene Road
and out to the Ark Pond.
Total climb: about 2000'

page 2

(Dublin Trail notes),
101, 104-105 (climbing
hints)

Actually there is no sec-
tion of this excellent
guide not worth reading.
I have just listed the
essential parts above. I
also suggest that you
skim from page 37 to 78
for general knowledge of
the wildlife you may see.
Do not count on reading
on the bus; it'll never
happen. Do it tonite.

OBJECTIVES

1) to study the Littleton
formation

2) to conquer our first
mountain

3) to build up condition
and confidence

page 4

SPECIAL NOTES

1) In orienting your maps,
the magnetic declination
is nearly the same as it
is in Newton - 14.5 deg.

2) Remember that there
will be a swim and cook
out on the way back home
at Leominster St. Park.
Bring a bathing suit. It
can be left on the bus.

3) We will be leaving
NSHS right at 5 AM to
adhere to the schedule
for the rest of the day.
Plan on being there a
few minutes early.

The AMC motto:

"Leave only footprints,
Take only memories..."

Interesting Statistic
#723745552 - a 173 (GX)

If you weigh 100 lbs. you
will consume 65,800 calo-
ries of energy in the
vertical part of the
ascent. Even more energy
will be used in the hor-
izontal direction and in
friction. The physicist's
calorie is not the same
as the "calorie" nutrition-
ists use. The above amount
represents only 65.8 food
calories. If we make the
climb in two hours we will
be working at 0.0449 horse-
power. (assuming 100 lb body weight)
(This page does not have
to go into your notebook.
I just didn't like the
looks of the empty space.)
Just think, the 45 of us ESP'ers
will burn over 3000 calories (foodsize)
on the way up. That's a lot of Cheerios !!



See y'all at 11:45

ADERS:

JENNY (919-7176)

+

MIKE (244-0285)

EQUIPMENT: BOOTS,
D KIT, BIG LUNCH,
50F WATER,
RAINGEAR, A
M LAYER, GORP,
ATCHBOOK CAR, A
DISPENSER

ER'S COURTESY

ALMOST ALWAYS
OTHER HIKEERS
SUS
TRY ON THE
TRAIL!

ARE ONLY MEMORIES
HAVE ONLY FOOTPRINTS

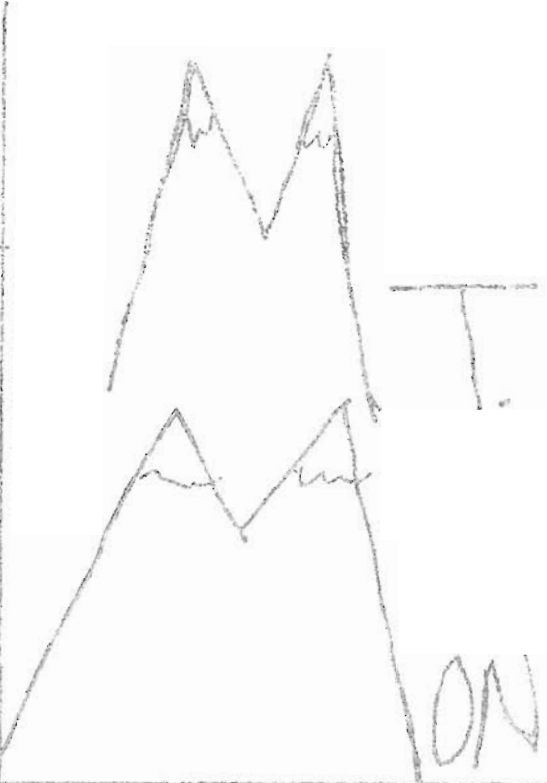
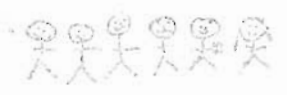
- PACK IT IN,
PACK IT OUT!

BE KIND AND
COURTEOUS TO
EVERYONE AND
YOU'LL HAVE A
GREAT TRIP!

WE HAVE

GROUP NAME

??????????
.....



TRIP # 18
★ ★ ★ JULY 24 1978
★ ★ ★ TIMES: 6 AM - ★ ★ ★
★ ★ ★ 6 PM ★ ★ ★
★ ★ ★ ★ ★



YUP, THERE
ARE BLUEBERRIES
HERE TOO!

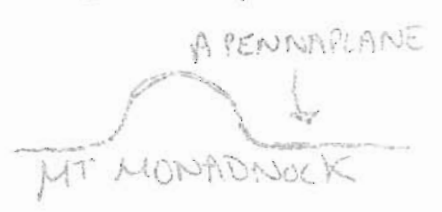
MONADNOCK

SO WE TACKLED THE BLUE HILLS AND NOW WE'RE OFF
TO MOUNT MONADNOCK. MONADNOCK IS 3165 FT TALL
AND IS THE SECOND MOST CLIMBED MOUNTAIN IN THE
WORLD, ONLY TO MT. FUJI IN JAPAN. MONADNOCK IS
A NATIVE AMERICAN WORD FOR "LONE MOUNTAIN".
MONADNOCK ALSO USED TO BE AS TALL AS MT. EVEREST,
BUT WHAT HAPPENED? WELL, MONADNOCK IS THE
REMNANT OF A MOUNTAIN THAT ROSE HIGH AND
VIRTUALLY ALONE ABOVE THE SURROUNDING PLATEAU.

MILLIONS OF YEARS AGO



NOW



YOU WILL NOTICE THAT AS WE GET NEAR THE SUMMIT
THE TREES WILL BECOME SHORTER AND THEN... OH, OH, OH,
THERE ARE NO TREES AT ALL! OH! AHH, THIS IS CALLED
TREELINE - THE POINT AT WHICH IT IS TOO DIFFICULT FOR TREES
TO GROW. THIS USUALLY OCCURS @ ABOUT 4500 FT. HEY -
WAIT A MINUTE, MONADNOCK IS ONLY 3165 FT - HOW DOES
IT HAVE A TREELINE?? WELL, YOU'LL FIND COT. AND YOU
ARE ALL SO LUCKY, BECAUSE ALPINE ENVIRONMENTS
AND ZONATION IS MY SPECIALTY! WOO HOO!!!

Mt. Monadnock!

Molly
965-1979

Times: 6am - 6pm

Equipment:

- Boots
- Field Kit
- 2 Pairs of Socks (on your feet)
- 2 Bottles of Water
- Big Lunch
- Rain Gear (pants, too)
- Warm Layer
- Sunscreen, Bug Stuff, Hat

Recipe of the Day:

How to make a mountain!

Ingredients: Two large land masses (preferably 2 continental plates), a convergent zone, lots of pressure, and lots of time!

Once you have all of the ingredients, follow these directions-->



Directions!

Mountains form when two large land masses come colliding together.

Try pushing two pieces of paper together. . .when they hit, they have no where else to go but up. The same thing occurs with land.

That bending and folding upwards is what creates a mountain. Although it may seem like a simple process it actually takes thousands of years, so I advise you not to sit in your backyard and wait for a mountain to sprout up! The next question is: what happens to that mountain over time? Answer: ask me tomorrow!

Welcome to Mount Monadnock! After our warm-up on the Blue Hills, we're now gonna get down 'n' dirty on a real mountain.

Mt. Monadnock is a whopping 3165 ft. tall and it has a nice bare top at the top, typical of what we normally picture a mountain to look like. Speaking of mountains...do you know how

mountains are formed?

Check out mother nature's very own recipe, although I wouldn't try it out at home! Your mother might not be excited about your attempts at taking the laws of the earth into your own hands! But

remember the recipe and see if you notice any evidence of the process on our trip!

MT. MONADNOCK

July 23, 1993

Trip slip # 17

Leea's # (527-2763)

TIMES (AM - (PM

WHAT TO BRING: day pack, boots, field kit, BIG lunch, 2 water bottles, raingear, sweater, etc. (a warm layer), trail mix, bug stuff

Mt. Monadnock has a false tree line.

Tree line is 4000ft.

On a normal mountain, why do you think

Monadnock has a tree line then?

Hints:

Farmers
Wolves

Hurricanes

as we get higher up the mountain,

Similar to Mt. Wachusett, Mt. Monadnock

is, obviously, a "monadnock". This means that

it is a remnant of a larger mountain which

rose high above the surrounding plateau. Factors

such as wind, water, and glaciers slowly eroded the mountain. The mountain now stands alone!

Summit Δ 5165 ft.

Mt. Monadnock

is a lone mountain

There is a penoplain

Surrounding mt. monadnock.

What is a penoplain - quiz

your leaders. Zonation is

something which affects all

areas of our environment, look

for differences in trees and plants

as we get higher up the mountain.

Similar to Mt. Wachusett, Mt. Monadnock

is, obviously, a "monadnock". This means that

it is a remnant of a larger mountain which

rose high above the surrounding plateau. Factors

such as wind, water, and glaciers slowly eroded the

mountain. The mountain now stands alone!

FUN FACT:

Did you know that Mt. Monadnock is the second most climbed mountain in the world after Mt. Fuji?

Have you ever drunk Monadnock spring water?

What kinds of things do you see around Monadnock? young? old? why?

aders.

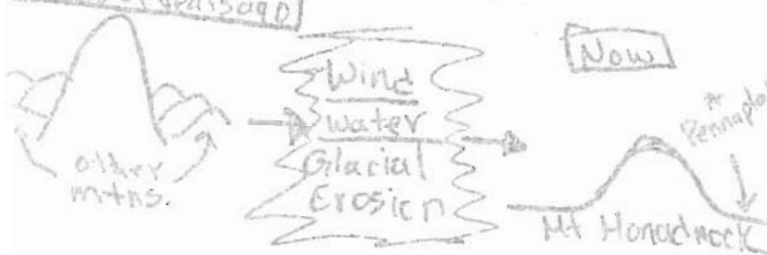
Jenny
(969-2776)

Dan P
(964-1313)

Trip # 10
July 25, 1994

★ 6 AM - 6 PM ★

Mount Monadnock's name is because it is a geological formation called a Monadnock. A monadnock means "lone mountain." It is a remnant of a mountain that rose high and virtually alone the surrounding plateau millions of years ago.



Alrighty - today we're traveling to New Hampshire to climb our first real mountain. This mountain is also the second most climbed mountain in the world. It is second only to Mt. Fuji in Japan. Monadnock is 3165 ft. high.

- EQUIPMENT
- Boots
 - Field Kit (including RAIN GEAR TOP + BOTTOM)
 - BIG Lunch
 - Lots of Water
 - GORP/Trail Mix
 - A Warm Layer
 - Bug stuff

Make sure that you get a good night's sleep the night before. This is a tiring trip.

You will notice that as we get near the summit, the trees will become shorter and then... dum dum dum... there are no trees at all. Ouch! Hhhh! This is what is called the treeline - The point at which trees stop growing. Usually treeline occurs at around 4500ft. Hey - wait just one second there - Monadnock is only 3165ft tall, so how come it has a treeline?

When we get on the mountain we'll talk a bit about Mountain Zonation and aren't you all lucky because my specialty is alpine environments which will come in handy on the big Mt. W., but will help here too! ☺



Readers: Jac (1964-1965)
 and ... (1965-1968)
 (but you should know us by now)
 Time: 6 AM - 6 PM

Equipment: Complete Field kit
 (yes you have to wear your boots
 up the mountain), Compass, map of Monadnock, LUNCH,
 Two Canteens, Raincoat (full of pants) Bug Spray, sweater
 (even if it is 94° out and humid), 2 pair of socks, Trail
 Mix or Snacks (GORE)

Welcome to our first real mountain my little
 waldchickadees. WOW!! On Monadnock we will
 be able to see some things that we can't see
 Blue Hills is. Zonation and Wind Chill.

Mt. Monadnock is a 3166' mountain in
 southern New Hampshire. It has a few
 neat aspects like a tourelle (however false)
 Monadnock is an Indian word for Corner
 Mountain for Monadnock used to be the
 saddle between two separate mountains
 but erosion occurred and Monadnock was left
 to stand alone.

Interesting Facts:

- ① Monadnock is the second most
 climbed mountain in the world (Mt. Fuji
 in Japan is #1)
- ② Monadnock trail goes flat for the first 1/2
 mile because of erosion in order to help the water infiltrate the

MT MOUNTAIN MONADNOCK

July 19, 1985

Leaf: The Branch for 507-1195

Time: 6 AM - 6 PM

Place: The West Newton Police Station
(what a familiar place)

Equipment:

Field Kit

Big lunch - yeah → food
water - and lots of it!

Boots - no excises

Rain gear - windbreaker

Pants with shorts underneath (optional) but it will be chilly on Mt. Washington.

Just a real mountain
that's 'yama' in
Japanese.

Another thing(s) to watch
for... as well as an amazing
temp change... (and) the
trees.



You shall see the shift from deciduous
to conifers but it will be totally clear
on Mt. Washington.

W shall see a false tree line →
(what is a false tree line). We
will see a real, true, honest-to-goodness
genuine TREE-LINE on Mt. Washington.
The tree line effects conditions of the
area. W what are some of the effects?
It may be very windy above & and
no wind below & because of the trees
covering.

The altitude also effects temp. The
temperature gets cooler as altitude
increases. For every 530 ft. of altitude
the temp drops $2\frac{1}{2}^{\circ}\text{F}$. We will be
making a 599 meter climb from 1200 ft
to 3165 ft. so you can count on it being
 10°F degrees colder at the summit not
counting the wind chill factor.

The top of the mountain
is BALD. Why you ask? well,
many, many moons ago farmers
sheep grazed on the top of
the once → covered mountain.
However, wolves killed the sheep
SO, the farmers tried every-
thing and ended up finally
burning down the entire top
of the mountain which
did kill the wolves. Unfortunately
it also killed the sheep. Luckily,
that didn't make any &
difference because there
are no plants for them
to live on.

Friday July 26
 Isie Marcus's group
 (332-2948)



a big hiking trip!
 followed by a cookout
 at Leominster State
 Park, to which your
 parents & families are
 invited!



times: 5am - 8:30pm
 starting at NSHS &
 ending at Leominster
 state ① Park

READ
 ↓

Please bring
 your complete pack
 lunch (raincoat, bug
 repellent)
 canteen
 sweater
 windbreaker → see page 3
 wear boots! 2prs. socks
 trail map & guide
 tree book, flower book
 hat!

→ we're going to swim
 at the cookout site.

→ binoculars, camera,
 sunglasses, sun lotion
 are up to you.

②

Our group will enter
 via the Dublin Trail
 & come out the end
 of the Marlboro
 trail,

Temperature gets
 colder as you climb
 up! for every 330 ft
 of altitude the temp
 drops about 2 1/2 °F.

Since Monadnock is
 3,165' high you can
 count on it being
 10° cooler at the
 summit. Then you
 must figure on wind
 chill. Wind carries
 away heat from
 your body.

③

Suppose - It's 60°F
 out when you start.
 At the summit it
 will be 50°. If the
 wind is 20 miles
 per hour, it will feel
 like it's 31° deep
 freeze style! Take
 this into account.
 People have died
 on Mt. Washington
 by not realizing
 the wind chill factor.

The chart is from
 the Monadnock Guide,
 it's based on what the
 air will feel like if
 you're walking 3-4 mph.

④

		WIND SPEED, MILES PER HOUR								AIR TEMP °F
40	35	30	25	20	15	10	5	0		
40	41	42	43	45	47	51	57	60	40°	
32	33	34	36	38	41	45	51	55		
24	25	27	29	31	34	39	46	50	45°	
16	17	19	21	23	28	33	41	45		
									40°	
						and		35°		
						so		30°	25°	
						on.		25°		
								20°		

- Questions
- what's a monadnock?
 - how did it get there?
 - why is the top bare?
 (hint - once there were trees on top)
 - what's a syncline?
 (This we'll discuss)
 - what's a peneplain?
 - what's trail courtesy?
 - can you follow a trail map?

Read this
 Trip Slip!

⑤

PLEASE READ THIS TRIP SUP - YOU MIGHT WANT TO HAVE A SOME THING

MT. MONADNOCK 3,165'

Friday, July 2023 6AM-6PM
* Meet at the West Newton Police Station (back parking lot)
we will return to the police station at 6PM.

Equipment: Full Field Kit (including raingear), ^{also} lunch, water and juice (for extra water), sweater (even if it's 100° out)

The elevation of Mt. Monadnock is 3,165 feet above sea level. Although we will not be going above treeline, it will seem like we do. The bareness of this mountain's summit is caused by man. (Can you figure out what happened?) (Artificial Timberline)

It could be very cold on the summit, so be sure to bring (at least) a sweater, -wee is suggested. If stays warm even when wet. (yeah, of course, bring your raingear) ~~do~~ ^{you} have rain pants, yet?

There are many trails leading up Monadnock. They vary in length and steepness of climb. These two aspects of ~~the~~ trail are relative

Mt. Monadnock is the second most climbed mountain on this planet; The First being Mount Fujiyama in Japan, where Buddhists must make a religious pilgrimage.

The most important thing of all on this trip is that we ^{must} try to become a group that works together. A GROUP

On the way down (or up?) we should find a bog, and see if we can recognize sundew. ~~It~~ is a carnivorous plant. It dissolves and absorbs the insects which get stuck on its sticky hairs.

May the sun shine upon us !