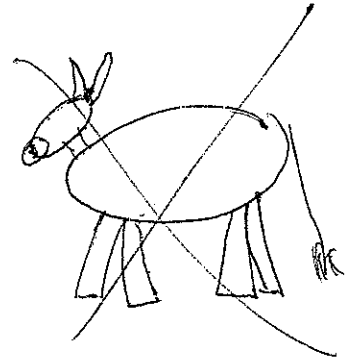


Brook

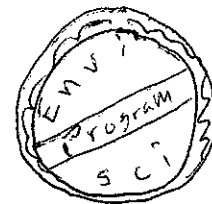


~~Brook~~ Farm

Equipment: Water, Lunch, Hiking Boots, daypack, raingear,
First aid

Leaders: Arin Hunter-Schlörholtz
617-928-3457

Nate Kaufman
617-969-4144



For those of you who are fans of brooks,
prepare to be disappointed because there isn't one.
However for those of you who dislike farms
you are in luck because there isn't one of those
either. We will be learning about the exciting
world of geology as we walk around at this
brookless non-farm.

In case of emergency your child will be brought to: Newton Wellesley Hospital
617-243-6000. This program must comply with the regulations of the Mass.
Dept. of Public Health and must be licensed by the City of Newton Health Department.

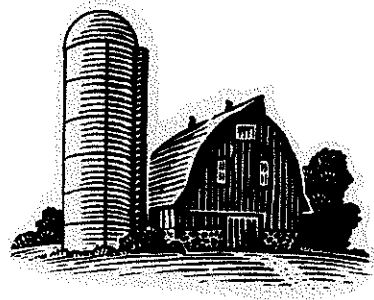
Nate "Kiwi" Kaufman
Arin "Ziggy" Hunter-Schlortholtz
July 12, 2006, 9AM-4PM
Brown Middle School

Tripslip #6 – Brook Farm

Necessary Equipment:

- Hiking boots
- Daypack (notebook & pencil)
- First aid kit
- WATER (mucho agua [agua, which is feminine, takes a masculine adjective in this case, to avoid an "a" sound that is impossible to differentiate between words])
- Lunch
- Raingear
- Sunblock & bugspray
- Extra boot laces

Wowee zowee, Brook Farm! What an exciting trip, for an exciting group of intrepid Envi-Sci-ers! What's odd about Brook Farm is that it is neither a brook, nor a farm. But these truths are highly frivolous in the scheme of things, don't you agree? (Many leaders will mention that it is neither a brook nor a farm; few will actually know that at one point, it contained both!)



But today, Brook Farm is just a swampy, mucky area that would be classified under the "wetland" biome. We haven't visited a wetland at the program yet this month (perhaps on Friday Wells Reserve will prove the most interesting wetland we've encountered to date?), so this will be our first! Wetlands are actually *essential* to ecosystems everywhere, believe it or not. Which is just another reason why the hurricane Katrina disaster continues to plague our country to this day (not to mention the tens of thousands of neglected and virtually forgotten people who are still without homes).



Brook Farm, back in the day, was a commune that housed transcendentalists, and was even frequented by such literary greats as Nathaniel Hawthorne (Leader's note: Nate did not enjoy reading *The Scarlet Letter*, though he appreciates its legitimacy as a classic American novel.)

So get ready for a fantabulous day, bring a dose of fun, and a positive mental attitude!

In case of an emergency, your child will be brought to Newton Wellesley Hospital (617-243-6000). 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.

Leaders: I like Smarter Than A Pancake McEllan (611-247-0498)

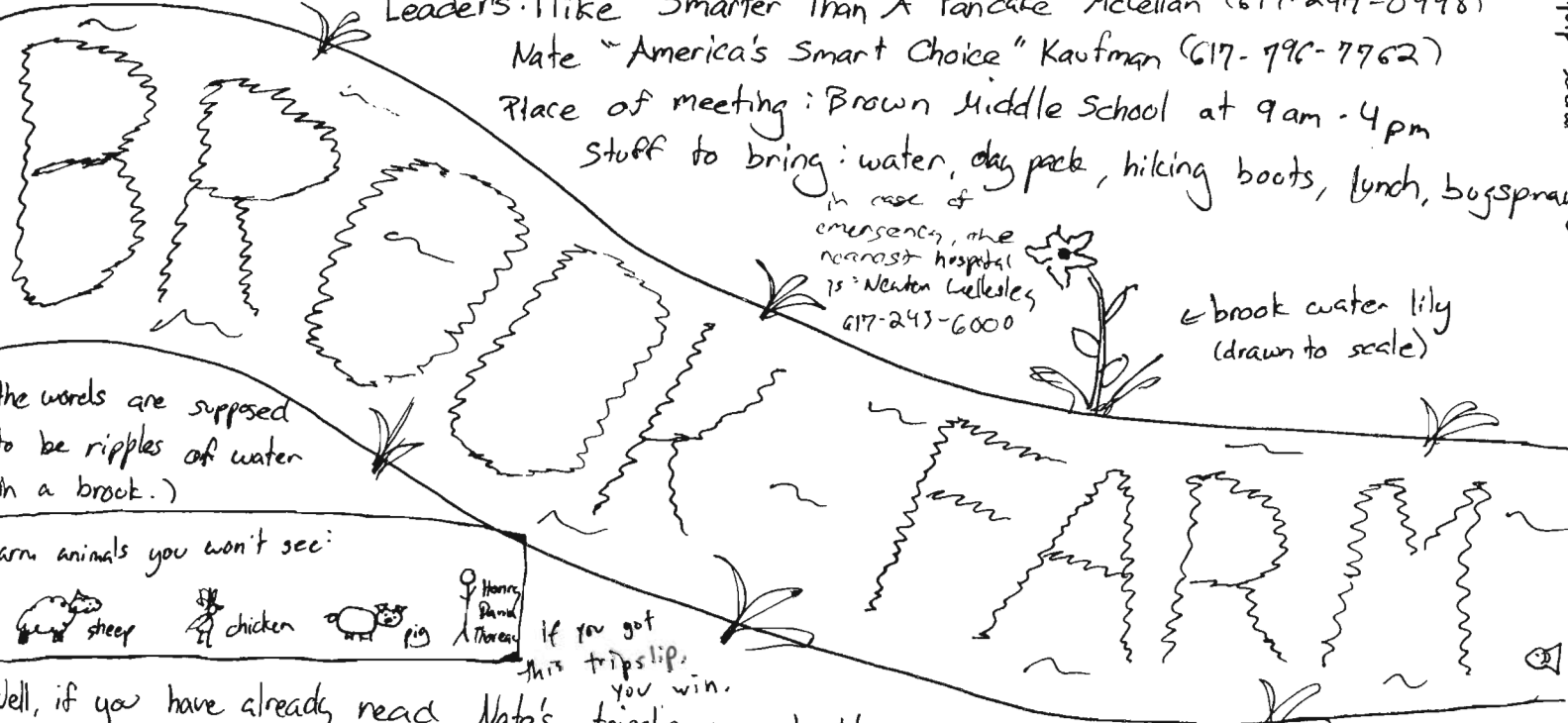
Nate "America's Smart Choice" Kaufman (617-796-7762)

Place of meeting: Brown Middle School at 9am - 4pm

Stuff to bring: water, day pack, hiking boots, lunch, bug spray

In case of emergency, the nearest hospital is: Newton Wellesley 617-243-6000

brook water lily (drawn to scale)



the words are supposed to be ripples of water in a brook.)

farm animals you won't see:



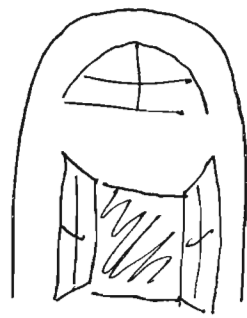
if you got this trip slip, you win.

Well, if you have already read Nate's trip slip, you should have already learned that Brook Farm is neither a brook nor is it a farm. However, if you are reading this trip slip first, I shall teach you how Brook Farm is neither brook nor farm. For starters, Brook Farm is not a brook, meaning the amount of brook present at Brook Farm is equal to zero on the brookitude scale. Also, Brook Farm is completely lacking of all things farm, so it could not possibly be a farm. Yet is still called Brook Farm? Perhaps because it was a "farm" for transcendentalism, and by "farm" I mean many prominent transcendentalists came to this area when the transcendental period movement was at its peak. Dictionary.com defines transcendentalism as: (noun) 1. a literary and philosophical movement, associated with Ralph Waldo Emerson and Margaret Fuller, asserting the existence of an ideal spiritual reality that transcends the empirical and scientific and is knowable through intuition. 2. The quality or state of being transcendental. Since his definition confuses even me, I will give the much simpler definition while we are walking to Brook Farm, the anti-farm without a brook. This program must comply with the regulations of the MA dept. of health and be licensed by the city of Newton Health Dept.

Example of a Farm:



← farm house with white picket fence



barn used for housing horses



silos for holding milk or grain



cow (beautifully drawn)

BROOK FARM



Today is Human Effects on the Environment Day! ★

Trip slip # 8

Friday, July 11, 2003

Brown Middle School

9 AM - 4 PM

Joey Backer, PhD

617-969-0288

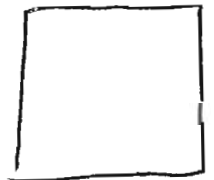
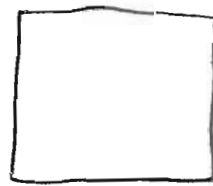
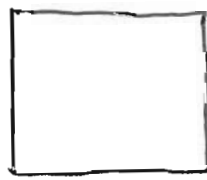
Sarina Yospin, ^{Attorney-}At-Law

617-969-3966

Equipment: Boots, 2L H₂O, Big Stinkin' Lunch, Raingear, Field kit, First Aid, and as much Transcendental Literature as you can get!

Guys, this is the last trip of the second week of the Environmental Science Program... Whoa. Just Whoa. We'll be celebrating by traipsing/gallivanting off to Brook Farm, which I'm sure Sarina mentioned is neither a Brook nor a Farm (holy crap). We're going to talk all about the ways humans interact with the world around them (and, of course, transcendentalism). Here's an exciting activity about forest succession we'll do today:

Whoa.




Whoa.

TRIP #9

Leaders: Jeff DeCew
617-964-7845
Joey Backer
617-969-0288

BROOK FARM

It's a ~~brook~~ brook!

It's  a farm!

It's NEITHER!!! Really, there is no brook and no farm at all.

- Equipment:
- You!!
 - Hiking Boots
 - Water (2 liters)
 - Big Lunch
 - Field Kit
 - Rain gear
 - Sunscreen
 - Bugspray
 - First aid
 - Notebook
 - Sun Screen (really this time)

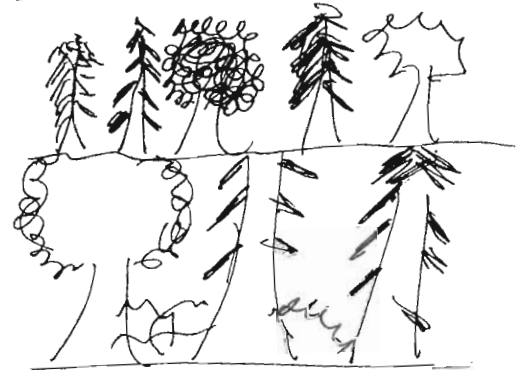
Location:
Brown Middle School

Meeting Time:
9:00 AM in the morning before noon.

Forest Succession! doesn't it just make you tingle? I know it makes ME tingle with joy. but... but... what is it???

Well, we are here to find out. 5 (five) stages exist in forest succession (ooooo!)

- ① Field stage
6-5 yrs
- ② Shrub Stage
6-25 yrs
- ③ Young forest
26-50 yrs
- ④ Mature Forest
51-150 yrs
- ⑤ Climax Forest



try to guess the stage

Brook Farm (the brook-less non-farm) IS IN

(hint: it is a field)

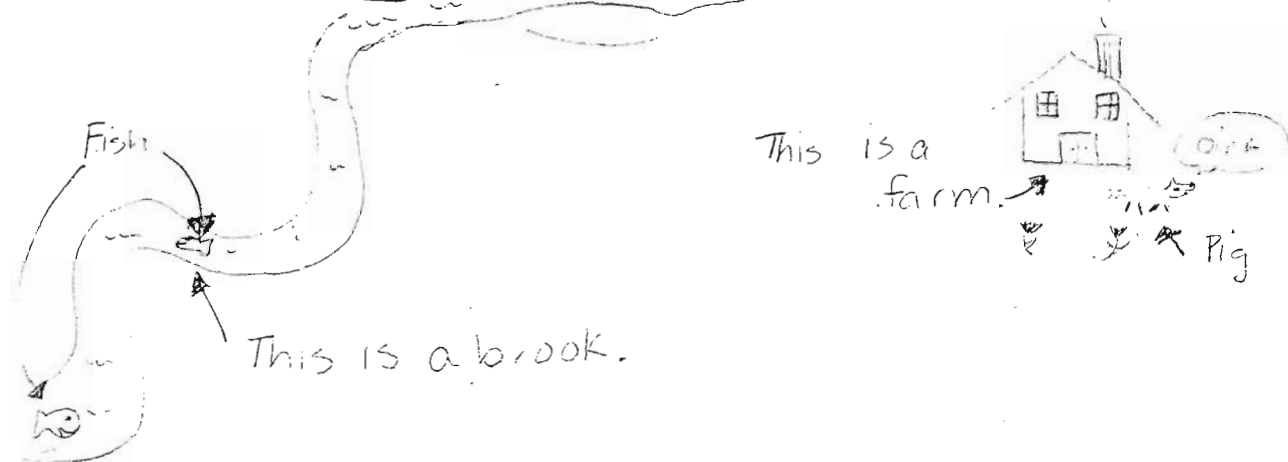
(for addition)

Trip slip #3
7-3-98

Leaders: Gabe Yaspin 9693966
Jeff Wong 332-3617

Time: 9-2
Place: Brown
Materials: Field Kit, lunch,
boots, bug spray!

Brook Farm



Sadly, Brook Farm is neither a Brook nor a Farm, though

at one time it had both. Now, it's just a swampy, buggy place called a wetland. Wetlands are wet, like the brook, and landy (not a word), like the farm. Wetlands are very important for many things; it serves as a sanctuary for many species of plants, animals, and mosquitoes the size of Rhode Island, and also acts as a natural filter. This is because when you have a lot of wet flowing through a lot of land, all the bad stuff gets pulled out.

Tommorow we'll be walking there, so that we can break in your new boots. If they aren't waterproof, waterproof 'em, since all the recent rain has probably made the wetlands even wetter. Remember, if you ride your bike, bring a lock! See ya'!

It's time for...



Brook Farm

(except it's not)

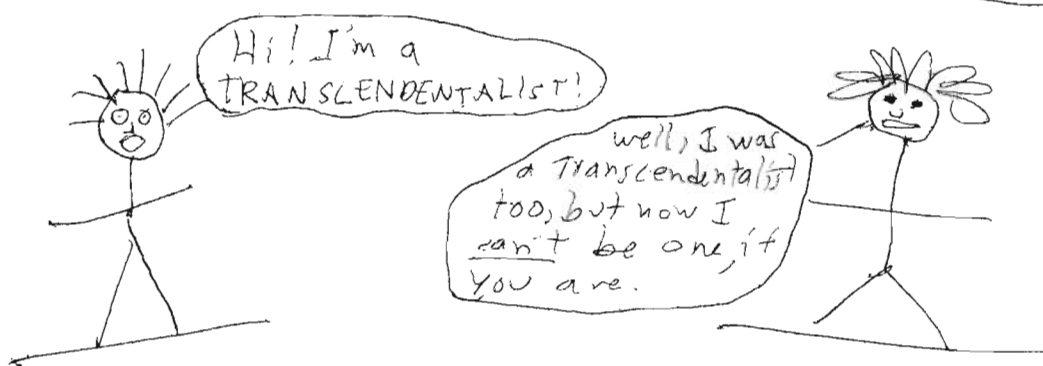
(and it's actually not)

EQUIPMENT

- Lots of water
- Big Lunch
- Field Kit
- Raingear
- Boots
- Bogspray

Today we go to Brook Farm. Brook Farm, as it so unfortunately turns out, is really only the memory of a brook and of a farm. Now it's just a lovely old marsh. We, however, will be paying a visit.

And now for the question everyone's asking: why are we going to ~~this~~ place that is neither a Brook nor a Farm? The answer lies in a past lined with history. Brook Farm was once a commune for a bunch of crazy transcendentalists. FACT: transcendentalists are stupid and cannot have a commune. (More on this later) So we are going to check out this ex-commune and maybe talk about fresh new topics like forest succession. Bring your notebooks and pencils!



It's time for...

Joe



Brook Farm

(except it's not)

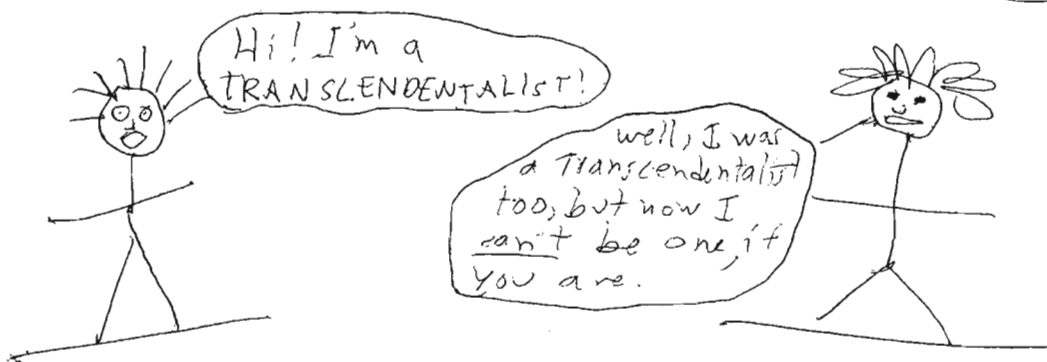
(and it's actually not)

EQUIPMENT

- Lots of water
- Big Lunch
- Field Kit
- Raingear
- Boots
- Bugspray

Today we go to Brook Farm. Brook Farm, as it so unfortunately turns out, is really only the memory of a brook and of a farm. Now it's just a lonely old marsh. We, however, will be paying a visit.

And now for the question everyone's asking: why are we going to ~~this~~ place that is neither a Brook nor a Farm? The answer lies in a past lined with history. Brook Farm was once a commune for a bunch of crazy transcendentalists. FACT: transcendentalists are stupid and cannot have a commune. (More on this later) So we are going to check out this ex-commune and maybe talk about fresh new topics like forest succession. Bring your notebooks and pencils!



Jeffrey Wong 332-3617 Gabe Yospin 969 3966

Date: July 3, 1998 Times: 9am - 2pm Trip slip #3

Meeting place: front of Brown Middle School

* If you're biking to Brown, remember to bring your bike lock!

Equipment: boots, lots of water, lunch, field kit, compass, maps, trip slip

BROOK FARM



Brook Farm is a large area located on the Newton/West Roxbury. It's next to St. Joseph's cemetery and a great place to study wetlands. In the early 1900's, the area was used as a self-sufficient community for famous transcendentalists such as Nathaniel Hawthorne. (I'll explain more tomorrow). Several animals such as birds and wolves use the vast wetland area to eat and breed. There are several trails that lead all the way up to the Charles River.

The wetland area is a great example of pond succession; changes in a pond.

① Bare bottom



open water,
few plants

② Submerged vegetation



more plants,
few fish

③ Emerging vegetation



emerging plants
break H₂O,
fish + more pond
life

④ Temporary Pond + Prairie



pond has
filled in

What is a wetland? There are a lot of different definitions but here is one: areas, other than ponds + lakes, whose soils are saturated with H₂O for an indefinite period of time. However, many times the temporary pond and prairie stage is considered a type of wetland.

There are 3 types of wetlands: marsh, bog, and swamp. So what's the difference between the three?

- What type of wetland will we see at Brook Farm?

Will we see any ponds? If so, what stage is it in? (we'll find out soon!)

Trip slip #3

Brook

Leaders: Sarina Yospin
(969-3966)
Jon Rivnay (527-1849)



Time: 9^{am} - 2^{pm}

Meet @: BMS

Date: July 6, 2000

Farm? NEITHER!



BROOK FARM

Equipment: Lunch, H₂O, hiking boots, FIELD KIT, compass, map, trip slip

You guys better be ready to rock n' roll, because Brook Farm is one crazy place! Historically, it has inspired lots of writers to... well, write. Now, it will inspire all of you to LEARN ABOUT SCIENCE! PARTY TIME! So, you ask, what science is there at Brook Farm? Allow me to introduce...

Forest SUCCESSION:

how a forest grows and changes

PIONEER STAGE
· low vegetation
· small trees + bushes

MIDSTAGE
· less grass
· more plants, larger trees

CLIMAX STAGE
· no grass, few plants
· almost all big-ish trees

DYING STAGE:
· forest fires,
· everything dies,
· cycle starts over

Questions to ponder:

What stage of forest succession is Brook Farm in?
What effects might agriculturalizing land have on it? (adding nutrients, pesticides, irrigation...)
Why are there so many songs about rainbows?

Trip slip # 3

7/4/99

Leader: Alex Kraus (964-7768)

Meet at Brown

Times: 9-2

Equipment: Boots, Water, Lunch, Raingear, Field Kit

Brook Farm

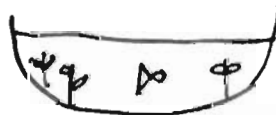
I hope you all are enjoying the program so far. For our second real trip we will be travelling the illustrious Brook Farm. Of course, Brook Farm is neither a brook, nor a farm, and I honestly have no idea why it is called Brook Farm. However, it is apparently a historic site, being once the location of an artist colony frequented by the likes of such literary greats as Nathaniel Hawthorn. In addition it will be a great opportunity to show off some of your new found environmental knowledge.

One of the most important concepts we teach here at Envi-Sci is succession. When we talk about succession we are usually referring to pond succession or forest succession. It is important to notice that these are not two separate cycles, but are in fact very closely linked. See for yourself.

PIONEER-



SUBMERGED VEGETATION-



EMERGING VEGETATION-



**TEMPORARY POND AND PRAIRIE
THIS WILL NOW BECOME THE PIONEER STAGE FOR
FOREST SUCCESSION. GET IT?**



BROOK FARM

Collectable Tripslip #3 of 10
Collect all 10 and win!

Tripslip # 2

When:
9am - 2pm
July 6, 2000

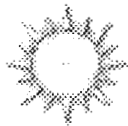
Where:
Brown Middle School

Leaders:
Jonathan Rivnay
527-1849
Sarina Yospin
969-3966

Equipment:
Hiking Boots,
Lots of Water,
Big Lunch, 4 Vanilla canes,
1 slice of toasted rye
bread. Field Kit (Raingear,
First Aid, etc.)

Weather Forecast
by boston.com for:

Thursday
July 6, 2000



Sunny
High 79 / Low 60

Mostly sunny. A sea breeze is likely to develop along coastal locations. Highs 75 to 82, coolest temperatures at the coast.

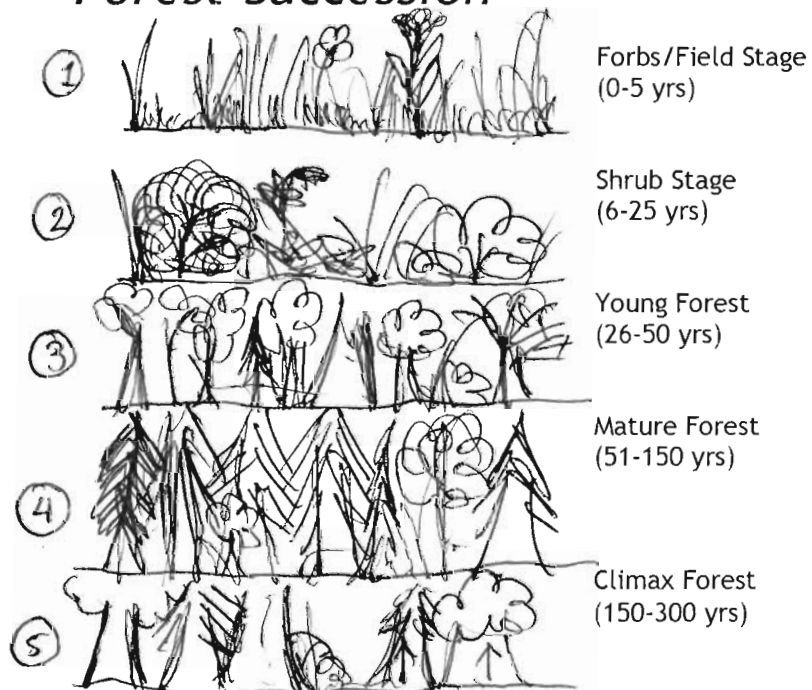
Mostly clear and comfortable Thursday night. Lows in the 50s to near 60, warmest temperatures in the city.

EnviSci takes no responsibility for the accuracy of the boston.com weather forecast. You must bring your raingear and lots of water, no matter what!

Tomorrow will be your second real trip at EnviSci this summer; we will be headed to Brook Farm! It's not a Brook, it's not a farm...oh...but you guessed it!, it's still Brook Farm! (I'm sure you'll be hearing that one a lot on this trip, and Sarina probably put it on her Tripslip as well. But anyway, ...to the real stuff.

Brook Farm is a historical site where some famous authors lived and farmed and wrote some of their stuff. There isn't much left there but a stone wall and some overgrown field, which brings me to:

Forest Succession



Can you guess at which stage of Forest Succession the fields at Brook Farm will be?

July 13, 2004

Trip slip # 8

9am - 4pm

@ Brown

BROOK

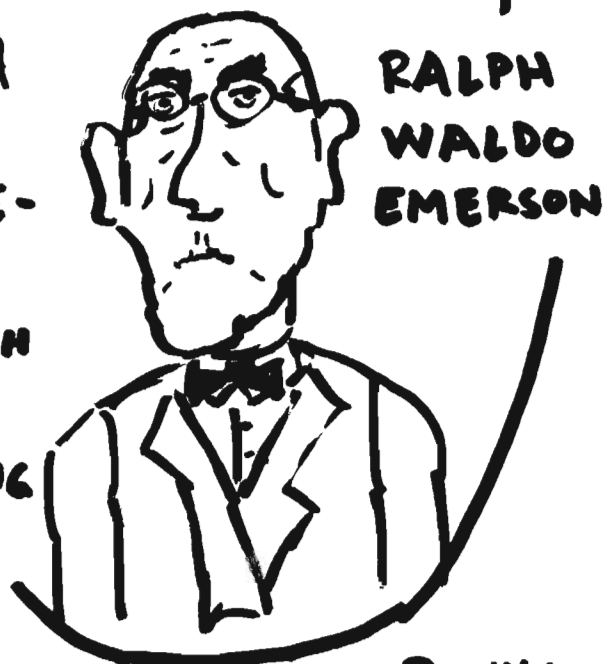
FARM



LEADERS: NATE Q. KAUFMAN III
(617) 796-7762

MICHAEL JESSABELLE MCLELLAN, JR.
(617) 249-0998

BROOK FARM! NEITHER A BROOK NOR A FARM BUT A GREAT PLACE TO GO NONETHELESS. AN EX-COMMUNE FOR TRANSCENDALISTS IN THE 19TH CENTURY, IT HOLDS A RICH HISTORY, HAVING BEEN A HANG OUT SPOT FOR SUCH GREAT THINKERS AS RALPH WALDO



RALPH WALDO EMERSON

EMERSON. WHAT IS TRANSCENDENTALISM? WHO WAS RALPH WALDO EMERSON? WE WILL DISCUSS, AS WELL AS EACH OF YOUR PERSPECTIVES ON WHAT HUMANS' RELATIONSHIP TO NATURE IS. SO GET YOUR ENVIRONMENTAL PHILOSOPHY CAPS ON!

TRIVIA QUESTION OF THE DAY

What English word come from the Latin "Three ways"?

The program must comply with the regulations of the Mass Dept of health and be licensed by the city of Newton
health department
at 617-243-6000

Date: July 11, 2003
Tripslip # 8



BROOK FARM!

(not quite a)

(not quite a...)



Leaders: Sarina the Terrible
617-969-3966 and
Joey the Brave
617-969-0288



Times: 9am - 4pm
Meet at: Brown Middle School

Today's question:
Why do people hold such strong views on how nature should relate to them?

hey you smarty pants-- answer THIS!

What to bring: boots, 5000 much H₂O (at least 2 liters), big ol' lunch, field kit (1st aid stuff, raingear, notebook and pencil, map), a pooper scooper

Yo ho ho, there, students!
I am ye olde Ralph Waldo Emerson, a writer, philosopher, and of course TRANSCENDENTALIST. What's that?, you say. Well, sometime back in the 1800s, we crazy Transcendentalists thought we could transcend all evil by simplifying our lives, leaving Society, and chillin' and poppin' in the woods.



Those hippies from the future totally stole my idea. Crazy kids!

That's why we built... BROOK FARM! It's ex-commune for people like me - lots of political/religious/social groups relate to nature differently, as you'll talk about on this trip!



TRIPSLIP #9

Leaders: Jeff DeCew
617-964-7845
Joey Backer
617-969-0288

Joe

BROOK FARM

It's a ~~brook~~ brook!

It's a  farm!

It's

NEITHER!!!

Really, there is no brook and no farm at all.

Equipment:

- You!!
- Hiking Boots
- Water (2 liters)
- Big Lunch
- Field Kit
- Rainyear
- SunScreen
- Bugspray
- First aid
- Notebook
- Sun Screen (really this time)

Location:

Brown Middle School

Meeting Time:

9:00 AM in the morning before noon.

Forest Succession! doesn't it just make you tingle? I know it makes ME tingle with joy. but... but... what is it???

Well, we are here to find out. 5 (five) stages exist in forest succession (ooooo!)

① Field stage
0-5 yrs



② Shrub stage
6-25 yrs



③ Young forest
26-50 yrs




④ Mature forest
51-150 yrs



⑤ Climax forest
150-300+ yrs

try to guess the stage
Brook Farm (the brook-less non-farm) is in
(hint: it is a field)



(for addition)

Trip slip #6

9AM - 4PM



FARM

Mike
McMaha
617-244
0998

Dan
Swartz
617-244
2339

Whoa folks, whoa. We're going to Brook Farm tomorrow or today (depending on when you're reading this) and guess what?

Brook Farm is many things, name 2 things it is not;

If you said Brook and Farm you'd be correct. Actually, Brook Farm is ^{an} ex-commune ex-habited by such Transcendentalist thinkers as Ralph Waldo Emerson (RWE) in the 19th century.

If you want to know what Transcendentalist is then I'll tell you they were people who ran off to the woods to transcend the evil world by simplifying their lives.

On the trip we'll talk about these peeps and also learn about **GEOLOGY!** So get ready and come along, it's gonna..... rock.

Equipment Necessary:

- Hiking Boots
- Water (2 liters)
- Big Lunch
- Field kit
- Raingear
- Sunscreen
- Bugspray
- First Aid
- Notebook
- Surey (?)

MEET AT
BROWN
MIDDLE
SCHOOL



TO JOEY'S TRIPSLIP

In case of Emergency, your child will be brought to:
Newton Wellesley Hospital: 617-243-6000.
This program must comply with the regulations of the Massachusetts Dept. of Public Health and must be...