The semester is over, and summer is here. Making the assumption that you’ll actually surface from your lab, we bring you lots of ways to enjoy your free time. Go hiking. Go drinking. Make new friends in other disciplines. Go hiking and drinking with new friends in other disciplines. Make serendipitous discoveries. Speak out on student issues. Explore the other side of campus. And best of all, add a gaggle of new pick-up lines to your arsenal. It’s all here, in the one and only B magazine.

Did Somebody Say McDougal?

An Investigative Report

By M. Serenhaus

Little polarizes graduate students in the sciences like talk of social activities. In my experience, scientists fall into one of two camps: those who actively seek and join in sporting, social and recreational activities with students from other departments, and those who stare quizzically at the prospect before turning back to their P200s. The former are likely already familiar with the McDougal Center at HGS; for the latter, I offer this brief introduction to the epicenter of graduate student life at Yale, and the sincere hope that scientists will take advantage of this unique and excellent resource.

The McDougal Center celebrated its fifth anniversary this past year. Though a squirming infant by the 300-year yardstick of Yale University, the Center hit the ground running and has already impacted the lives of countless students. Established through a generous donation by Yale alumnus Alfred McDougal and his wife, Nancy Lauter, the Center specializes in career development, teaching, and student life activities. Located in the Hall of Graduate Studies at 320 York Street, it boasts a comfortable common room for study or relaxation, as well as the Blue Dog café and space for student events. In addition to student-driven activities (more details later), the McDougal Center also houses the Dossier Service, meeting rooms, a recreation room with a kids play area, and a basement computer cluster.

The McDougal Center is of direct interest to BBS students in two ways: First, graduate students can always participate in and enjoy any activities offered; and second, several students are chosen annually to be McDougal Fellows, receiving an honorarium and committing a certain amount of time and energy to planning and running Center events, contributing to student life and meeting hordes of people.

Center-sponsored events are open to all graduate students and cover a wide range of interests: social, community service, arts and culture, career and professional development, sports, teaching, writing, and music are among the program areas. The First Friday at Five happy hours at HGS (predictably, at 5pm on the first Friday of each month) offer free beer, wine and soda, a variety of foods and snacks and can draw upwards of 200 students to the common room – continued on page 3
OP-ED
Groups of Grad Students Fight like Gangsters, but Why? BY C. MASON

The GESO election on April 30th turned out far differently than many people thought it would. GESO believed that they had a landslide coming and that an election would show overwhelming support for their cause. Indeed, Anita Seth, the chair of GESO, said, “I never believed that it would be possible for us to lose.” Instead, the narrow 694-651 rejection of GESO as the sole bargaining unit for graduate students showed the support to be about as strong as GESO’s representation of the total number of graduate students – just about half.

Make no mistake, unionization would eventually improve conditions on all levels of “employment,” as they have done for almost every other working force in history. Stipends would go up, insurance would get better, and things would likely improve. However, make no mistake in thinking that it wouldn’t make the relationship between the bargaining unit and the University adversarial, because it would, as it has for almost every other union in history. The only question remaining is whether or not you think it is already adversarial. I do not.

I know many professors and administrators who diligently work to improve our lives as students here. While it is ironic that at these meetings to improve student life, they have no students present, they still aim to improve stipend levels, quality of education, and post-doctoral placement. More student input is needed, that is for certain, but the question remains as to how that input is administered.

The voices of GESO, GASO, GSA, GPSS, At What Cost?, and other factions around the issue of student input can be confusing, but the unifying principle of all of these groups is to fulfill their view of what a graduate student is and to foster that goal. A goal we should all strive for is to improve our lives, together, rather than apart, and to quit quibbling like siblings. Everyone wants higher stipends, better training for TAs, dental insurance, greater health coverage (such as for children, child care), more intellectual property rights, better post-doctoral placement, and more transparency and input in the parameters that shape our work and lives. Many issues can be solved through established channels, such as the

GESO, which meets with the Dean every week. For other things, however, a system-wide change is needed: we cannot get dental insurance unless professors also have it, and the same goes for child care or better intellectual property rights. These are all things that would be good to have, for everyone, at all universities, yet the question remains as to whether a graduate student union can implement changes to the entire structure of a university, let alone the entire socio-academic-economic system.

So if we all want similar improvements, why don’t all the chairs of these separate groups meet and resolve a way to work together? Simple. Some groups would feel betrayed by their leaders if they met with the “enemy.” We must see past this. We are all graduate students at Yale and are all fervently (or at least slightly) passionate about our futures. All of our futures are tied together, as well as our lives, and it is absurd that we should fight among ourselves to fulfill similar goals just because of a few different long-term goals. Communication between the leaders of the representative groups should begin and continue for years to come, or else more reaction will come than action. A critical example of this is that GESO and the GSA did not work together to contact all graduate students through email and mail about the election, which the GSA can do. In response, At What Cost? literally sprung up overnight to fight the election, feeling it was announced in too short of a time and with limited distribution of the information (though it did follow NLRB guidelines). Finally, if all groups were communicating with each other and working with each other, the clout available for gauging opinion or to address any issue would be breathtaking. If all groups recognized that we are more similar than different, and communicated and met with each other, much more could be accomplished. If we didn’t have clenched fists when we moved to shake hands, we could come to the administration 2100-strong.

Your Opinion
B magazine seeks Op-Ed pieces by staff members and guest writers in the BBS community. The views expressed herein are those of the author.

Guest Contributors
B magazine seeks photos, features, and essays from the BBS community.

Funding for B magazine provided by the Bristol-Myers Squibb Educational Alliance
McDougal continued from page 1
or courtyard, in fair weather. Sure, BBS departmental happy hours occasionally conflict – but make an effort to come to one FFF and see what you’re missing. There’ll always be another opportunity to watch your classmates drink Rolling Rock in the Bass foyer. Trust me.

McDougal Center activities are as diverse and multifaceted as the students who attend them. Whether your interest lies in adapting your writing skills to a general audience, catching an opera in Manhattan, or lending a hand at Columbus House, you’ll find plenty of events to get involved in at the McDougal Center – the key is finding out about them. Some, like the graduate student winter ball, are well publicized, pushed by aggressive ticket sales and drawing circa 400 people – other, more modest happenings are best scouted in the “McDougal Activity Notes,” a weekly e-mail listserv detailing upcoming events. The Notes, is a brief e-mail crafted by the Coordinating Fellow (read: Head Honcho McDougal Fellow) with an eye to brevity, providing information on upcoming activities and programs, and a link to the Center’s web calendar. If you’re not on this e-mail list, get on it – in all the time I’ve received the McDougal Notes, I’ve never known the list to be abused or send out excessive mails. For one info-rich e-mail a week, it’s definitely worth it. There are other e-mail lists for individual program areas, like Careers, Teaching, Writing, and Community service, but the McDougal Activity Notes lists every major coming event.

Perhaps the most striking advantage of McDougal activities is the way the Center brings together students from across disciplines. It’s one of the only places I’ve known history, political science, art history, divinity, math, physics and Italian scholars to share a room in pursuit of some common goal – unless that goal is two-for-one drinks, in which case the GPSCY is surely in the race. It’s great to meet people in other schools and programs, whether to discuss their field, drink with different people, or simply enjoy the one accolade seemingly guaranteed to every BBS student: mixed awe and disbelief as you trade sterile acronyms (MB&B, MCDB, EPH) for your department’s true multisyllabic, buff-sounding name. People will shudder when you say “Molecular Biophysics and Biochemistry.” Embrace it, and realize that this reaction can mean only one thing – you’re meeting people from outside BBS! Welcome to the ranks of the rarified few.

For those interested in becoming a McDougal Fellow or a McDougal Graduate Teaching Center Consultant, applications are generally due in early April of each year, and selections are made by the end of that month. Fellows and Consultants are selected from a pool of applicants from a variety of backgrounds and put to work in one of the Center’s main program areas. I, for instance, am a Writing Fellow and coordinate writing events, seminar series, and workshops throughout the year. My colleagues plan parties and socials, arrange sports-themed events, manage the new literary magazine “Palimpsest”, run the career fair, and such. The Center is very open to new ideas; each year, fellows build on the programs of prior years while adding new events of their own. All fellows must keep an office hour once per week, contribute (on average) 5 hours per week to the Center, and participate in a biannual planning retreat. In addition, all fellows participate in events run by their comrades; a great way to get involved in things outside your own program area.

During the summer, the McDougal Center shifts gears slightly: the McDougal notes are somewhat less frequent, going out twice or thrice monthly, and the Blue Dog Café is closed. The Center is open late 3-4 nights per week beginning in late June (and air conditioned!), but closed on weekends. Several existing McDougal Fellows sign on as summer fellows, so events are still planned for this time – good news for lab-bound scientists whose only vacation is a trip to the e-mail terminal. Copies of the new Yale Graduate Literary and Arts Magazine, “Palimpsest,” are still available in 233 HGS from 9-5 Monday through Friday. One copy is given freely to every grad and professional student: the magazine comes with two booklets of fiction, essays, poetry and art, a poster, and two CDs of multimedia content. All you have to do is go and get it.

If you feel there should be more to graduate school than a pipetman and lab meetings, you’re exactly right. The staff and fellows at the McDougal Center are plugging away, planning events, partying it up and having a grand old time with people from every field imaginable. Make time for some Center events, take a labmate friend, and just go – it’s a unique and fabulous Yale resource, just like that NMR machine and gothic architecture that seduced you here in the first place. Take advantage of it, it’s here for you. You’ll be glad you did.

Links: McDougal Center Website (Click Calendar and Upcoming Events for McDougal Calendar) – http://www.yale.edu/graduateschool/mcdougal/

Michael Seringhaus, left, is an MB&B Computational Biologist, B staff writer, and a veteran McDougal Fellow, returning for a second tour of duty in 2003-2004. Photos courtesy of M. Seringhaus.
Did you know that the Appalachian Trail (AT) is only a 2 hour drive away? If you’re looking for good camping and hiking, the Berkshires will completely satisfy your needs. Mt. Greylock, nicknamed “Saddleback,” is the highest peak in the Berkshires. At 3,491 feet, the overlook is breathtaking. In fact this view has inspired words from the likes of Thoreau, Herman Melville, and Nathaniel Hawthorne.

The peak is also a good place to start your day of hiking. Up there you’ll find a major AT landmark - the large visitor center, which is stocked with maps, food, souvenirs, and pretty much anything you could possibly need. I recommend starting from the visitor center as it is a good place to orient yourself, and there are plenty of trails that will loop back.

At Greylock you can: backpack, go wilderness camping, hike, hunt (with restrictions), mountain bike, picnic, ski (back-country), and snowmobile. If you want to stay for more than a day, a campground is just a short walk a way from the visitor center. You can also drive right up to your campsite. Camping is only $12, plus $8 if you reserve a site in advance (highly recommended). For reservations and more info go to: http://www.statema.us/dem/recreate/camping.htm.

After you get your fill of the great outdoors, head to North Adams, the urban center of the Berkshires. North Adams is the home of Williams College, Massachusetts Museum of Modern & Contemporary Art (MASS MOCA), and much more. I like the well stocked used bookstore near the ‘old school’ theatre downtown. It’s worth spending a couple of hours in this quaint New England town.

Directions: 91 N to the Mass Pike (I-90) to Exit 2 in Lee. Follow Rt. 20 W to Rt. 7 N. Continue north from Pittsfield to Lanesborough. About 1.5 miles north of Lanesborough center watch for Mt. Greylock Reservation and Visitor Center signs on the right. Turn right onto N Main St. and follow brown state reservation signs. Trail maps: http://www.state.ma.us/dem/parks/trails.htm.

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**Trail Mix An Off-shoot of Lifestyles of the Poor and Academic**

**BY J. RINN**

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**Serendipitous Science**

**BY R. REZNICK**

This June marks the 74th anniversary of Alexander Fleming’s publication of the discovery of penicillin in the British Journal of Experimental Pathology. So in celebration of this fortuitous scientific breakthrough, we now take a historical look back at it and other major discoveries that got off to a lucky start.

**That’s Funny?** – Since the late 19th century, when Louis Pasteur showed that bacteria cause disease, the search had been on to discover a “wonder drug” that would kill bacteria without harming the human body. The wonder drug remained elusive until September 1928, when a series of timely events occurred in Dr. Alexander Fleming’s laboratory that led him to a revolutionary discovery. In a hurry to begin his scheduled vacation, Fleming left the lab hastily and forgot to move some Petri dishes containing Staphylococcus aureus culture into the incubator before leaving. They remained on his lab bench until he returned two weeks later, at which point he noticed mold growing in one of the dishes. That was not strange, but the mold had killed the Staphylococcus that had been growing in the dish. Eager to get back to work after taking time off, Fleming performed several weeks of exhaustive studies and finally concluded that mold from his neighbor’s lab must have traveled into his lab and mixed with the Staphylococcus culture. The mold then grew, he supposed, and secreted a naturally occurring antibacterial agent, which killed the Staphylococcus. Coincidentally, the temperature conditions Fleming left the plate at just so happened to favor both the growth of the bacteria and the mold. If the dish had been placed in the incubator, only the bacteria would have grown. Finally, Fleming determined that the mold that had mixed with his Staphylococcus culture was a Penicillium mold so he aptly named the antibacterial agent it produced penicillin, the world’s first antibiotic. (http://www.chemheritage.org/EducationalServices/pharm/antibiot/reading/fleming.htm)

**What’s with the water?** – During the 1930’s, the British government approved the deployment of a chain of aircraft detection stations along the English Channel coastline. These stations sent out a steady stream of radio pulses, which would bounce off of a target in the distance and would then be detected by a receiver. This novel technology, which became known as radar (RAdio Detecting And Ranging), enabled the British military to detect enemy aircraft as they approached the island. Radar’s later success as a military tool far exceeded the developer’s expectations. They never could explain why the coastal water temperature near the radar installations registered a few degrees higher than in nearby coastal areas without radar systems present. With more important matters at hand though, the scientists simply made note of this oddity and continued on with their other research. After the war, these same scientists turned back to those notes and further investigated the effects of radar systems on water. They discovered that the radio waves emitted by radar stations and microwaves (both have similar wavelengths) excite water molecules, thus raising the water’s temperature (and providing an explanation for the higher coastal water temperature near radar systems). They later showed that microwaves could be used to heat food by exciting the water molecules, which led to the development of the microwave appliances we use today.

(http://www.mtt.org/aboutMTT/miscellany/fiftyanniv/cp_04radar.htm)

**Nuclear-Powered Antiviral Drugs?** – When a South Carolina nuclear power plant broke down, the government called in chemists to inspect the facility. They found the sponges in the plant’s reactor, which separate out the nuclear waste by binding the radioactive molecules, were covered with a rare compound – niobium HPA. Because of a manufacturing defect in the nuclear plant’s filtering system, the sponges began reacting with the radioactive molecules, resulting in the production of niobium HPA. While previous studies have shown that HPA’s (clusters of metal and oxygen molecules) can render HIV inoperative, they have never been used for treatment because the metal molecules make them acidic and therefore unsafe for use in non-acidic solutions like blood. What is so unique about the niobium HPA found in the reactor is that it is not acidic (and not radioactive either of course)? Now researchers are testing niobium HPA’s promise as a novel HIV treatment. Although it is too early to predict the efficacy and safety of such a compound, it’s start shows that anything is possible (Rebecca Skloot, Popular Science, January 2003).
OUTTA HERE!

Congratulations to all of the graduates below.

**Cell Biology**
- Oscar Colegio (James Anderson)
  - The Role of Claudins in Paracellular Permeability

- David Hesslein (David Schatz)
  - Early Developmental Control of the Immunoglobulin Heavy Chain Locus

- Khashayar Farsad (Pietro De Camilli)
  - Direct Evidence for a Membrane Deforming Motif in Endophilin: Implications Beyond Synaptic Vesicle Recycling

- Warren Kim (Pietro De Camilli)
  - Delayed Synaptic Vesicle Reformation in Synaptoplakin 1 Knockout Mice: Insights into the Role of Phosphoinositides in Synaptic Vesicle Recycling

**Cellular & Molecular Physiology**
- Andrea Brown (Michael Caplan)
  - Trafficking of GABA Transporter Type II

- Dita Gratzing (Joe Madri)
  - Positive and Negative Modulatory Roles of Platelet Endothelial Cell Adhesion Molecule-1 Signaling in Endothelial Cell Migration: Coordination of Rho Signaling and Targeting of SHP-2 Tyrosine Phosphatase Activity

**Genetics**
- Cathleen Brdklik (Craig Crews)
  - Investigation of Mechanisms of Resistance to the Fumagillin Class of Angiogenesis Inhibitors

- Chun Wu (Sankar Ghosh)
  - Comparative Analysis of NFkB Inhibitors IKB beta and IKB alpha

- Michelle Duquette (Nancy Maizels)
  - G-quadruplex DNA Formation Induced by Transcription in vitro and in vivo: Implications for a DNA Structure Mediated Mechanism of Recombination

- Margaret Macris (Peter Glazer)
  - Site-Specific Chromosome Targeting using Triplex-Forming Oligonucleotides

**Immunobiology**
- Francis Balamuth, (Kim Bottomly)
  - Distinct Regulation of Macromolecular Signaling Complex Formation in Th1 and Th2 Effector Cells: The Role of Lipid Rafts and the Immunological Synapse

  - Stephenie Eisenbarth, (Kim Bottomly)
    - Th2 Sensitization to Aeroallergens in Asthma

  - Alfred Lee (David Schatz)
    - Molecular workings of the AGs-RAG2 V(D)J Recombinase Complex on Atypical Recombination Signal Sequences

  - Tiffany Horng (Ruslan Medzhitov)
    - Mechanisms of Toll Signal Transduction

  - Suk-Jo Kang, (Peter Cresswell)
    - Biochemical and Cellular Aspects of Antigen Presentation by Human CD1D

**Experimental Pathology**
- Dita Gratzing (Joe Madri)
  - Positive and Negative Modulatory Roles of Platelet Endothelial Cell Adhesion Molecule-1 Signaling in Endothelial Cell Migration: Coordination of Rho Signaling and Targeting of SHP-2 Tyrosine Phosphatase Activity

**Microbiology**
- Miguel Matthews (Craig Roy)
  - Analysis of Nerve Type IV Secretion System Components Encoded by Legionella pneumophila

- Jonathan Kagan (Craig Roy)
  - Cellular and Molecular Aspects of Legionella pneumophila Transport to the Endoplasmic Reticulum

- Deborah Cholon (Craig Roy)
  - Characterization of the Legionella pneumophila IcmW and IcmS Proteins

**Molecular Biophysics & Biochemistry**
- Jack Tsai (David Schatz)
  - Mechanism and Regulation of Postcleavage Activities of the RAGs/RAG2 Recombinase

- Shay Padrick (Andrew Miranker)
  - The Kinetic Mechanism of Islet Amyloid Polypeptide Fiber Formation

- Yongli Zhang (Donald Crothers)
  - Experimental and Theoretical Studies of Sequence-dependent DNA Bending and Flexibility with DNA Cyclization

**Molecular, Cellular, and Developmental Biology**
- Dhara Amin (David Stern)
  - Gene Expression Analysis of ErbB Family Signaling: Encodement of Signaling Specificity and Identification of Targets of ErbB2 and ErbB4

- Stephanie Brewer (Trevor Williams)
  - Analysis of the Mechanisms of Ventral Body Wall and Heart Outflow Tract Development in Wild-type and AP-2a Mutant Mice

- Anna Dobritsa (John Carlson)
  - Molecular Genetics of Odor Reception and Development in Drosophila

- Eun-Jin (Erica) Hong (Shirleen Roeder)
  - Coordination of Two Checkpoint Pathways Couples Recombination and Cell Cycle Progression During Meliosis in Yeast

- Christine Horak (Michael Snyder)
  - A Novel Approach for Transcription Factor Target Identification: Studies of the Saccharomyces cerevisiae Cell Cycle and the Human b-globin Locus

- Hsin (Aster) Juan (Frank Ruddle)
  - Functional Analysis of a Regulatory Element Controlling Spatial and Temporal Expression of Hoxc8 in Mouse Development

**Pharmacology**
- Jayasheer Mitra (Robert Roth)
  - Noradrenergic Neurotransmission in the Prefrontal Cortex: Effects of Gestational Cocaine Exposure
Dear B

Got a problem? Got questions? Just ask B. (Advice is for entertainment purposes only, and you have only yourself to blame if you follow any of the stupid suggestions.)

Dear B,
What should I get my PI for his birthday?
--Clueless in CAB

Dear Clueless,
Faculty really want only 2 things: tenure and students who work 7 days a week. You don't have the power to grant tenure. Ergo...

Dear Sapped,
You don't know the half of it. I can't give you specifics, but take the red pill. Take the red pill.

Dear Sapped,
You don't know the half of it. I can't give you specifics, but take the red pill. Take the red pill.

Dear B,
Why do I feel as if lab is sucking the life out of me?
--Sapped

Dear B,
I'm writing a letter to the stockroom asking them to expand their offerings. Have anything you want them to carry?
--Stock Boy

Dear Stock,
Umm, beer and pretzels?

Dear B,
There are just too many journals out there. I can't keep up! What's the solution?
--Helplessly Behind

Dear Helplessly,
The bioscience literature explosion is well-documented, and my sources tell me that mergers and major consolidations are in the works. In fact, at least 350 titles will be condensed into these 3 new journals: Annual Review of Really Bad Science; Trends in Trying to be Trendy; and Journal of the Obvious. When The Journal of Last Resort joins this stable, expect a much more manageable reading list!

The View from the South Side  by C. Mendenhall

It'll happen sooner or later. You'll be in Walgreens, News Haven, or Shaws and feel a tap on your shoulder. A person will be staring at you and smiling expectantly, and you can't remember her name. Then, it will hit you—she's that first year in your class who moved to a lab on the Hill, never to be seen or heard from again.

The Hill, to us down at the Med School, it's a mysterious place. Only a brisk 22 minute walk or 1.5 hour shuttle ride away (not counting the wait), we know surprisingly little about it. Questions such as “why is there always a tornado/wind tunnel in the quad?”, “Is the lawn always flooded?” and “How do people eat lunch there without the carts?” burn in our heads. No doubt, it's different. Here are some of the ways:

1. Surroundings. The free-standing Science Hill buildings are nestled between the Forestry School, School of Management (SOM), the Chemistry building, and some random houses that probably hold offices. People walk by wearing Birkenstocks (Forestry students), suits (SOM students), and sometimes both (Forestry and SOM joint degree students).

In contrast, the BBS buildings down at the Med School are sandwiched in with EPH, Nursing, the Med School, and the PA program (though nobody seems to know where their building is). Lots of suits, maroon and baby blue scrubs, and hip-mounted ID badges, can be seen, along with jeans, Timbuk2 bags, and the occasional baseball cap.

2. Food. Students at the Hill have a limited cart selection (sometimes a Pakastani cart, and the soul food cart is down by the health plan). For dining with a view, students can head to the 12th floor and have standard cafeteria fare.

The med school, by comparison, is a cart lovers paradise and can make lunch a grand event. Ethiopian, Thai, Not greasy not oily, Indian, Middle Eastern, salad, barbecue, and Italian, to name a few, are ripe for the choosing.

3. Architecture. The Hill is a subtle mix of Gothic and 1960’s concrete. The Bass building does have some neat features, such as an elevator big enough to hold a mid-sized engagement party. All of the buildings are free-standing, and you have to get outside or underground to get from one building to the next.

The Med school is mostly 1960’s concrete with a touch of Georgian. No one knows how to characterize the new CAB building, other than to say that it’s big…very big. Almost all of the buildings at the med school are attached to one another, which is very convenient when you want to go from one place to the next without going outside. Figuring out where one building ends and another begins, however, can be difficult; and navigating through the maze of connected hallways can be downright impossible.

4. Convenience: For those with labs at the med school, the apartment complexes on York, Crown, and George are prime real estate. They’re all about two minutes from lab, and if you forget something, it’s a quick zip home to go and get it. The majority of students live in the “grad ghetto,” however, and getting to the Med School is a pain. Tiffany Samaroo (1st year Genetics) says, “It’s a hassle to deal with the parking situation down here, and it’s a far walk. It’s even a bit of a walk to the shuttle stops. What could be a ten minute commute ends up being half an hour.”

In contrast, those who live in the ghetto and work on the Hill have it easy. Either a quick shuttle ride, 5 minutes bike ride, or a short walk can get you to lab in a hurry. Want to go home for dinner and then scoot back to the lab? No problem. Try doing that at the med school!

Is one side of campus ultimately better than the other? Probably not. Each has its advantages, and each has its flaws.

As for the wind tunnel question, we weren’t able to find an official answer. John Rinn (4th year MB&B) does have a hypothesis, “I think it has to do with winds sweeping off West Rock and East Rock, and sea winds coming inland from the sound (due to the temperature difference). The three winds meet at KBT, and since the courtyard is fenced in, there is only one way for the wind to get out. Lots of pressure creates more force, so it has very high velocity as it exits the courtyard. But my real answer is that I have no idea.”

Future B
Tune in next issue as we track 3 first year students through their final rotations and into their thesis labs.
Brunch in the Big City
By S. Kapadia

Sundays are the laziest times in NYC, but a great way to spice up the day is with brunch. You can settle for one of the many corner diners found throughout Manhattan, but that hardly sounds exciting. You could also splurge at one of the trendy brunch places, but on our salaries, it’s best not to make it a habit. I’ve found several places that scream “fun” without making your bank account scream, “Ouch!”

Nothing says Sunday brunch like dim sum. Head to Golden Unicorn (18 E. Broadway) for a variety of dumplings and other delectables that are paraded throughout the restaurant on carts. Though the name suggests its location to be in a seedy corner of Times Square, it is the Chinatown dim sum paradise for Cantonese and non Cantonese speakers alike, as most items are labeled in English. Make sure to get a number when you arrive, and be patient. If picking your meal off carts is too much excitement, try Dim Sum Go. Go across the street for made-to-order dim sum.

If you’re in the mood for something not-so-Eastern, try Barney Greengrass (541 Amsterdam), a Jewish deli renowned for its smoked fishes, but also serving typical Jewish foods. The service is quick yet entertaining. Expect a wait, and don’t plan on lingering. The uptight or the claustrophobic should opt for take out. Another not-so-Eastern choice is Teresa’s (101 1st Ave), serving Polish food at prices that no one can argue. Who could resist cheap but yummy potato pancakes?

For those who aren’t shy, try Lips (http://www.lipsnyc.com), “where the boys are men and so are the girls.” Standard brunches and a show are served up by waitresses in drag for just $10. All-you-can-drink champagne or mimosa is just $5 more. Be advised, the entertainment is liberally colored with four-letter-words, but fun nonetheless. Tip well, for the drag queens can get catty.

After a huge brunch, don’t head home just yet. Go relax in Sheep’s Meadow in Central Park, the tanning hotspot of the city. Your experiments can wait.

B’s Best Bars
By C. Mason

After endless nights of research in the field, B brings you an empirical look at the best bars in New Haven.

Best wings—Delectable edibles with a monsoon of savory flavors and avalanches of sauces reaching places on your face napkins can’t touch:

Hands-down, it’s Archie Moore’s, with plenty of other good grub to keep you happy. If you are downtown, try TK’s 10 cent wings on Tuesdays (and more sauces than Moore’s). For free wings, go to GPSCY on Fridays.

Best drink specials—When you are low on the dough but need a place to go to regrow your mojo:

On Wednesdays, go to GPSCY or Diesel for their 2 for 1 specials, and you will feel as frugal as Greenspan. Also, GPSCY has specials during most of the week and free beer on Thursdays.

Best happy hours—When you day is long, and you need that happy hour to turn into the happy night:

C.O. Jones has their margaritas at half price from 5-7, M-F, and you can make your own free burritos while you are there. Humphrey’s was also voted best happy hour by the Advocate.

Best place to bring a date—You might be nervous, but with the right atmosphere, you can make your date arrogate all anxiousness before the first kiss:

Hot Tomatoes is the best, albeit it’s slightly pricey. It was originally the Taft Hotel, built in 1912, and has excellent food, monster Martinis, and high, elegant ceilings. For a more exotic elegance, try Bentara’s.

Best late night bar—Many New Haven bars close shamefully early, but there are some great places to find all of Hopper’s Nighthawks:

To feel like a landlubber caught in the brig of a ship, the Anchor can satisfy you with good crowds until late. Also, Gotham is the only licensed after hours club or bar around, so you can dance late into the evening.

Best beer selection—To sedate the beer snobs and please the plebeians:

BAR makes their own beer, and has three levels of seating to drink all their amazing beer.

Richter’s (with over 30 beers) and Mory’s are also well known for having a great selection.

Best wine selection—When grapes like Shiraz and Chardonnay get old enough to have a good time, they take you to:

Bentara and Hot Tomatoes are both excellent, but Bentara has been praised by the Wine Spectator and has a tome of choices that can make you flabbergasted by your own literacy.

Most drag queens—To chill with the changes of clothes and gender roles:

Gotham Citi is the perennial favorite gay bar, but it also has the best collection of paradigm members of goth and industrial genres, and a cache of drag queens that incite triple-takes and send Priscilla back to the desert.

Partners is also a good place to go.

Sexiest bartenders—Further perpetuating the fallacious belief, “Maybe if I leave a big enough tip, I could get a trip back home with that sexy bartender.”

This is truly a matter of taste, but there are some definite cute (but feisty) ones at BAR and many beautiful fellow students at GPSCY.

However, the most concentrated collection of sexy is at the NEAT lounge

Cheapest drinks—Making every liver quiver with fear, shiver in tears, and ache for deliverance from the cadence of cascading liquor:

GPSCY takes this category, and wins on my personal test for each bar (how much for a Jameson on the rocks?). GPSCY has all your favorite drinks at the lowest price other than mixing it yourself at home or Studio 201.

Best dancing—To get down, dirty, and be able to flirt with a little twist of the booty:

Another true matter of taste, but ALCHEMY has a great setup for dancing and ties with the PLAYWRITE in this category. To get an idea of who you will be bumping and grinding with, and to find more fake IDs than the Mexican border police, just look outside the door on a Friday or Saturday night.

Best place to be messy—One bar gets its own category, for one reason:

PEANUTS! J.P. Dempsey’s has free peanuts, and barrels more to give you some legume humility. A great, casual atmosphere where peanuts can be thrown around the table, between tables (careful for guerilla warfare tactics), and onto laps. Low-cut shirts are worn at your own risk.
Congratulations to David Grimm, B mag alum and 5th yr Genetics, on being selected for the AAAS Mass Media Science and Engineering Fellows Program. This program helps increase public understanding of science and technology by allowing scientists to intern in newsrooms across the country. David will be working at U.S. News and World Report in Washington, D.C.

Congratulations to Tina Zito, 5th yr Pharmacology, and her husband Greg on the birth of Juliette Elizabeth Zito, 6 lb 10 oz, on December 25.

Congratulations also to Steven Johnson, 4th year MCDB, and his wife, Michelle on the birth of Christopher Blake, 7 lbs 12 oz, on December 25.

The Warren lab congratulates Cynthia He, postdoc, on the birth of Simon Ruizhong Huang, 9lb 2 oz (!), on March 11.

Rumor has it that David Wells, Asst. Prof. of MCDB, married Cathy Clarke in March.

Rumor also has it that MCDB Asst. Prof. S.P. Dinesh-Kumar married U. Nagalakshmi in April.

Finally, congratulations to our own Michael Serlinghaus, who just got engaged to himself, married himself, and is having a baby today at 4:00 pm.

The Bioinformatics & Computational Biology Track has changed its name to Computational Biology and Bioinformatics.

BBS recruiting is winding down, and a class of 64 students is expected in the fall.

Mark your calendars! As part of the New Haven International Festival of Arts & Ideas, the NY Metropolitan Opera will perform Turandot on the Green June 18. It’s FREE! For a complete festival schedule, see http://www.artidea.org/

The BUZZ

“Pick-Up Lines” Contest

PART OF THE GREAT B-YOND - A SHOWCASE OF STUDENT CREATIVITY

We dare you to try some of these on unwitting civilians at BAR. Thanks to everyone who entered, and keep your eyes open for our next exciting contest!

First Place

**Erica Champion, Genetics & Devpt Track**

Let’s go to the dark room and see what develops.

Second Place

**Matthew Ua Cruadhlaioch, INP**

At work, I shave my monkey, rub it with jelly, and stimulate it all over. Wanna hear what I do for fun?

Third Place

**John Brownstein, EPH**

Wanna mouth pipet?

Honorable Mention

**Lara Ely, Microbiology**

How do you feel about trimers?

Other Notable Entries (in random order)

First I pulse, then I chase. **Erica Champion, Genetics & Devpt Track**

Hey, baby, what’s your annealing temperature? **Erica Champion**

I’ve been waiting a half-life for a mitogen like you. **Erica Champion**

If you were MAPK and I were MAPKK, I’d phosphorylate your activation domain. **Erica Champion**

Nice kinase domain. Want to co-localize? **Erica Champion**

Between your promoter and my enhancer, we should initiate something. **Linnea Weiss, Genetics & Devpt Track**

Your eyes are so blue, I bet bromophenol is jealous. **Lara Ely, Microbiology**

Now that I found you, I won’t have to bud alone. **Lara Ely**

You really light my bunsen burner. **Craig Gipson, Cell Biology & Molecular Physiology Track**

Your graduated cylinder is sooo BIG. **Craig Gipson**

You spin me round like 1000g. **Craig Gipson**

Your eyes sparkle like radiation in a scintillation counter. **Craig Gipson**

No latex and powder free hypoallergenic glove, no love. **Craig Gipson**

Kiss me I’m a scientist. **Craig Gipson**

It’s all right. What do you think the dark room’s for? **Craig Gipson**

So you’re what the other gender looks like. It’s easier to tell with flies. **Craig Gipson**

Do you know sterile technique? **Craig Gipson**

After looking at worms all day, you’re not half bad. **Craig Gipson**

You make my neurons fire at a greater frequency. **Craig Gipson**

I’ve genetically screened you as the most compatible. **Craig Gipson**

I’m an electrophysiologist: I can excite with a single poke. **Matthew Ua Cruadhlaioch, INP**

With chemical potential like this, baby, my process is on the verge of release. **M. Ua Cruadhlaioch**

You’re my ligand...you’re always hitting my receptor. **Nanami Gotoh, Cell Biology**

Is it hot in here, or is it my ts mutation?? **Nanami Gotoh**

Wanna take a random walk? **Nanami Gotoh**

Baby you so hot, you set off my geiger counter. **Kara Bernstein, Genetics**

Baby, let me trigger your synapses. **Kimberly Fowler, Cell Biology**

Nice antibody! **Helen Ho, Biological Sciences Track**

You transduce my signals. **Helen Ho**

Would you like to CoIP with me? **Helen Ho**