Panel Debates Feminism

By Larry Cheng

More than forty people filled the Louise Mar. 2 to hear a panel discussion presented by the American Historical Association, entitled "Feminism, What's In It For Caltech?" The panel consisted of Judy Cohen, an authority on the 12th century lovers, Heloise and Abelard; Mary Kennedy, Associate Professor Biology; Jean Wendt, an authority on Heloise and Abelard; Nicolas Stiddard, aeronautics graduate student and former Caltech undergrad; and Gary Lor- den, Dean of Students. Phillips Pugh, Professor in biology, was the moderator.

The panel began with a round of introductions, followed by perceptive remarks on the speakers. Wendt began by defining feminism. She advocated a change to bring about equal opportunity to men and women, and the acceptance by women of their simply being women. Stiddard viewed Caltech as a microcosm of American society in general, and claimed the presence of a feminist movement in order to provide support and alleviate women's frustration. Kennedy was in the same feminist way that feminism in general provide these things. She concluded by stating that the Institute needs more women in all areas - students, faculty, and administration.

Stiddard described changes she perceived in the attitude towards women during and after she was an undergraduate at Tech. She has experienced feelings ranging from being "judged on an equal basis" as an equal, to being regarded as a threat in industry, to needing more support as a graduate student than as an undergrad.

She offered a different definition of feminism, stating that what was needed in order to combat the special traits and abilities of women in society, was a benefit to society of theses features. She stressed that men and women are not the same, but have "define differences," which should be taken advantage of.

Stiddard spoke of the dilemma in recruiting women to Caltech. She noted that there is a fine line between promoting the school to women and having standards possibly lowered as a result of promotions of possibly less qualified students through such recruiting. Wendt also added difficulties encountered by female faculty, such as professional advancement. Furthermore, she pointed out that few female role models exist in science related fields and academia, and that many more are needed.

Lorden, who spoke next, noted that although the Institute has been a long way in increasing sexual equality, there remained a "tremendous imbalance," and that much more could be done. He suggested postponing learned during one's childhood could lead to biased numbers of men and women in science related fields, including the classic preconception of males as more scientifically oriented and females as more creatively oriented.

Later in the program, Lorden suggested combating this at the high school level by showing students that both males and females can do science. On the subject of undergraduate research, Lorden suggested that heavy reliance on standardized tests may also be a contributing factor in the numerical imbalance, but was purposeful vagueness incurred, saying only that accomplishments in high school needed to be looked at beside test scores.

Mary Kennedy stressed the point that feminism was not a single doctrine, but a broad range of ideas which did not necessarily go beyond the definition. She then described a number of current feminist movements and conferences and their ideas, which include a connection of civil rights to feminism, and the belief that women should be able to bear children and continue to work in society.

Kennedy noted the perception of anti-feminist backlash in technology, as society, which attributed to the reactions to the advancement of women in many fields. She recognized the presence of a ratio that bore that balancing out this ratio did not necessarily involve any lowering of standards. She also noted the absence of any significant number of female role models, especially at the Institute.

Cohen, who spoke last, stated that what feminism is to her is promoting self-awareness among women, but not in affecting any useful results regarding the issue of sexual equality. She stressed that science should be gender-blind, and that more support as a graduate student than as an undergrad.

To hear Dr. Stephen Barret talk about "Doing the Vitamin Hustle." The free lecture was sponsored by the Caltech and the Society of VITAMINs' Value Questioned

By Sayuri Besali

Member of the Southern California Skeptics Society and the Skeptics' Society at the Baxter Lecture Hall last Sat. to hear Dr. Stephen Barret talk about "Doing the Vitamin Hustle." The third lecture was sponsored by the Caltech Y Wed., Mar. 2, Jeffrey Sheldon, a specialist in patent law, informed listeners about the variety of patent laws, trademarks, copyrights, and how to obtain them.

Sheldon stressed that one should apply for a patent as soon as possible upon the development of an idea that is marketable. While a patent does not guarantee protection, he explained, one hundred percent of the product's market to one for a period of time. Furthermore, continuing that time span, no one in the countries in which the patent is held may make, copy, or sell the product.

Candidates for patents, continued Sheldon, must possess four qualities. First, an invention must pertain to a patentable subject matter. An example of non-patentable subject matter is exhibitions of nature, such as electricity or gravity.

"Sure, Newton discovered gravity, but that doesn't mean he can keep everybody else from using it for seventeen years," quipped Sheldon.

Second, the invention must be useful. Patents are designed to encourage creative efforts whose fruits, through their usefulness, improve the quality of life in general.

Third, the idea behind the invention must not be obvious. The seventeenth years of exclusive rights is reserved for only the extraordinary, the revolutionary, the original—such as flexible plastic ice trays which pop out ice cubes upon twisting.

Fourth, the idea must be new. If this were not so, anyone could travel to Japan, copy a patented idea there, take it to Germany where the idea in question is not patented, and sell it for a big profit. As is, chances are that the plagiarist would not be able to get please see VITAMINS, page 4

Dr. Barret, a nationally renowned author, editor, and consumer advocate, asked victims of vitamin quackery to share their stories with the audience. When he then asked for a show of hands from people who take vitamin supplements, a majority did so.

"I would be willing to bet that most of you do not need to take nutritional supplements," he declared to those who had raised their hands.

Since the body needs vitamins in small quantities, it is unlikely that anyone in the United States who eats a reasonably balanced diet would suffer from a vitamin deficiency. For instance, there has never been a documented case of vitamin E deficiency in the United States. Moreover, the body stores vitamins, so consuming vitamins for a few days has little affect.

Mineral requirements, such as those for calcium and iron, are a bit different from vitamin requirements and are not quite as readily fulfilled. In particular, Barret noted that women who feel that they do not get enough calcium in their diets may want to consult their physicians about taking mineral supplements.

The U.S. Recommended Allowances of vitamins and minerals is determined by the Food and Drug Administration from extensive case studies, and it includes a "safety factor" of extra recommended dosages, which take into account the varying nutritional needs of different age and sex groups.

Barret repeatedly stressed that vitamins are so plentiful and are needed in such small quantities that anyone who eats food is likely to get enough vitamins. Only people who tend to eat almost nothing or very little, such as alcoholics and the elderly, may be in danger of becoming vitamin deficient.

Vitamins' Value Questioned

By Quoc Pham

Have you ever considered marking an idea or invention but were unsure how to go about it? In his lecture sponsored by the Skeptics Society, the Baxter Lecture Hall last Sat. to hear Dr. Stephen Barret talk about "Doing the Vitamin Hustle." The free lecture was sponsored by the Skeptics Society and the Caltech Y Wed., Mar. 2, Jeffrey Sheldon, a specialist in patent law, informed listeners about the variety of patent laws, trademarks, copyrights, and how to obtain them.

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Dr. John Benton, Doris and Henry Dreyfuss Professor of History, 1931-1988. He was a much-honored medieval scholar who was considered an authority on Heloise and Abelard, the 12th century lovers. He was also a humanitariar who actively pursued social ideals.
Hey Freshman! Hey Sophomores! What didn't happen first term that was supposed to? What was it? Think hard. What didn't happen first term last year? And the year before that? And…

I'll bet you don't know. Let's ask the Junior class president if he knows. Does he? We doubt it.

It's the law. The Junior class president is supposed to organize a Freshman-Sophomore event. We read our little letter; did you? If you did, you'll notice on page 141, Resolution III, section 4:

"The officers for the Junior class shall be responsible for organizing a Freshman-Sophomore Event during the first term of each academic year."

So what was it? We don't remember any event. The governor of Arizona is presently undergoing an impeachment trial. Perhaps the officers of the Junior class should follow.

Well, it's too late this year. But for you sophomores out there, you know what you have to do...

Time Passages

by Eric Fung

We are mortal. Caltech has felt mortality so much closer these past weeks. It is confusing and saddening, death. The childhood question, "Where does one go when one dies?" we ask today, even if we are not children.

Many of us have a place on which we rest our hopes, our dreams, and perhaps even our fears. For the religious, the question is a bit easier to face, and maybe even answerable. For the non- (or un-) believers, the question does not yield an easy answer.

Our reactions to death vary as our attitudes towards life vary. Kurt Vonnegut, in Galapagos, perceived death as a long blue tunnel. Simon de Beauvoir, a French writer, wrote that "death preserves life...[since] death does away with time."

Gandhi wrote in Young India, "Life and Death are but phases of the same thing...Death is an Eternal victory." Death has been personified too. Ingmar Bergman, in The Seventh Seal, portrayed death as a ruthless chess player. Emily Dickinson, on the other hand, perceived death to be a courtier whose gift was Immortality. Both John Milton and John Donne believed death was their adversary whom they could vanquish.

Our attitudes toward life are reflected in our attitudes toward death. Kurosawas, for example, would think not about death, but about life. And forever in death, there is life. John Benton, just before his death, wrote to his daughter, "I feel optimistic about the human race and the next generation. I am not afraid of death...By and large I feel at peace with myself."

We do not know where Richard Feynman and John Benton are now. Perhaps Richard Feynman is on a beach, collecting pebbles with Isaac Newton. And perhaps John Benton is discussing the state of the nation with Dr. Martin Luther King Jr. Wherever they are, let us only hope that whatever they sought in life, they found.

What is Mudeo?

tera will not be a term that was supposed to. What was it? Think hard. What didn't happen first term last year? And the year before that? And…

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Another Look

by Chandra Tucker

The other day, I hurried to class as usual, straining against the clock to get there on time. Yet along the way something stopped me. I stopped rushing and, for the first time in a long while, I opened my eyes. Though I must have taken this same route hundreds of times before, I saw things I have never seen before at Caltech: trees I did not know even existed, cracks on walls of buildings, birds fighting over food on the ground... It is amazing how much there is to see if one just takes the time to look. It seems like these days everyone is just too busy doing something and hurrying somewhere. Too busy to stop and enjoy little things like the patterns the wind makes in a pool of rainwater, or ants struggling to carry twice their weight in food. Too busy to get involved, to care, to look at the world as it is today and as it could be. Too busy to open themselves to new ideas and thoughts and points of view.

Too busy to look around at where they are and where they are going—to stop and question life. To ponder, to daydream, to wonder. Is the universe flat or curved? What would this world be like without water? Do insects ever get sick? What happens when you die? Why do people act the way they do? Where do atoms come from? Why does life exist?

Think and wonder and question all that exists around them. It is a sad state of society when people are too rushed to think and wonder and question all that exists around them. After all, how can one expect to find answers when one does not question?

The "trees" and cracks in the wall are always there, though we, with our limited perspectives, may not see them.
The New Beckman Institute

The Beckman Institute came one step closer to reality last week when Caltech presented its proposal to the Pasadena Planning Commission during a Public Hearing. The proposal consisted of three parts: an Environmental Impact Report (EIR), a Zoning change, and a proposal for Street removals.

The Environmental Impact Report noted that the Tolman-Bacher and Bateman Houses were "potentially eligible for National Register or Landmark Status." These houses will, however, be retained in their present locations.

The Institute is only a small part of Caltech's Master Development Plan. This Plan is a document submitted to the city planners informing them how Caltech intends to develop the campus in the coming years. In its draft form, the Plan illustrates how Caltech plans the development of the surrounding area with three-to-six story academic facilities in order to accommodate its growth needs in the next 30 to 40 years.

George R.R. Martin
author of Nightflyers, Fevre Dream, Sand Kings, Tuf Voyaging & Wild Cards will sign his work at Planet 10
79 N. Raymond Ave. Pasadena [818] 577-9309 on Saturday March 5 from 1-3

SOURCE: A.C. Martin, Inc., 11/8/87

Albert C. Martin and Associates
Planning/Architecture/Engineering

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The Beckman Institute was conceived to be a place where interdisciplinary research could be conducted. According to the proposal, the building where the Institute will be housed is a 4 story building enclosing 140,000 sq ft with provisions for 124 parking spots. The basic architecture will be similar to that of the Athenaeum: stucco walls and a red-tiled roof.

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Patents, cont’d
from page 1
a patent for the idea in Germany or anywhere else, because the idea is not.

Certain other factors also affect the probability of successfully ob­
taining a patent for some invention. An example is marketability. If a product sells well while the author applies for a patent, then its chance of being granted may be greatly en­
hanced. Professional approval is also a positive factor. Sheldon was cer­tain that getting a Nobel Prize for a discovery should guarantee a patent.

In the United States, patent ap­
lications can be filed up to one year after public announce­
ment concerning the invention. Most other countries, however, have only a short time to file for a patent if the public announce­
cement comes before the petition for patent is on file. In addition, filing in another country within a year of one’s first filing date gives one the benefit of that date. That is, if a U.S. petition is filed in January, but the petition is filed in May, officially, the German peti­tion carries the January date, not May date.

If the invention is unique, if two inventors apply for a patent on the same invention, and if one of them that he invented it first wins the pa­
tent. In other countries, it is usual­ly the first to file, even if he is not of invention, that decides who gets the patent.

A key to successful marketing of any product, even those protect­
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ready in use).

Vitamins, cont’d
from page 1
“You aren’t playing nutritional roulette any more!” says Dr. Baron, who has devised a basic rule of thumb: any­
body who sells vitamins should not be in the food business, period. Food sells well while the author applies for a patent, then its chance of being granted may be greatly en­
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The Inside World

This week’s Inside World was brought to you by:
Blacker: Borke Haining and Rob Paulus
Fleming: Pierce Wang
Ricketts: Steve Sobelman and Tom Tromeo

Blacker: Four score and seven days ago, the sun rose over Seattle. (It was raising at Caltech, but that matters to you. But anyway, the sun rises at 6:30.)
Erik “Fourth?” Hille, Seattle native: it also inspired Erik to get Harry’s bike in the shower. This did not please Harry. All of Hell was amused. So began the legend of the Flying Bicycle.
Faster than a running frosh, more aggravating than Ph106, able to hover silently over hapless diners. Look, up in the air, it’s a bird, it’s a plane, it’s a Valkyrie... it’s Harry’s Bike. Harry: On a four year mission to find new TV shows to flick with, seek out strange, new aircraft, to boldly learn what no frosh has known before.
And so the legend goes...

Alan Wong, if you are reading this, someone has been calling for you. They didn’t say all too much, but did leave a message: “Remind the frosh they said for you to call them at 356-HAND, when you get the chance. Also, if you don’t talk to Cliff soon, he will put your room up for grabs.

“...we’ve paid enough to get who we want and what we want”
-Anna Maria Yearly
- Horke Basing and Spinello

Fleming: Another week, another Inside World... ah, whom to mock this time!

Wine and Candlight was a smashing success. No table-chasing delusion derby this year, but we finally got Daniels to realize his true sexual preference (with a little help from Shocks). By the way, did Daniels take Skol or did Skol take Daniels? But, as always, the waiters seem to have outdone all others in the way of massive overabirditation. We ALMOST managed to get rid of Barry this time, but some moron dragged him out of the middle of California BEFORE he got back in a car. Oh, well. There’s always next year.
The unparalleled and unparalleled Fleming Interhouse Volleyball team is still crushing all who dare face it, although it’s kind of hard to tell by the, shall we say, less-inspirited dinner announcements. Quite a few songs, in fact. Wellfie, anyway. This time, only two of them are “Louie, Louie” though.

Weiland does NOT look like me, dammit. He has more hair. (I wouldn’t think that was possible, Pierce. Unless you mean on his head- Y.F.) I’ve become a waiting kinda guy. Your worst nightmares come true.

Wednesday was Drop Day. Drop Early, Drop Often, but Don’t Drop Me- Moonlighting Sucks. Dick Dale is the One and Only True King of the Surf Guitar. Kent has decided to become a music major at PCSS. His hobbies are minilism and hot oil wrestling. Kent Nordstrom, future Rose Parade Queen.

If I (did) go to UCLa to study as a veterinarian, I could have saved the lives of people. Y.F. (Are you sure that wasn’t sheep- N.F.) (That was irony, A.N.D.)

Yesterday was Ditch Day, frosh you missed it? Now get your shovel and fill in all the holes. Rumor has it that Laura Hernandez is insatiable, but that’s just a rumor. Or was that Soo?

Safar party this weekend at 328 S. Hol. Bring your own animal passaws. Well, we’ve got enough on people so bye till next week...

The California Tech may be losing its braintrust, but people have come to expect the unexpected.

HELP WANTED
The California Tech is looking for a responsible person to fill the position of Business Manager.
Excellent business experience and substantial comission
For further information contact:
Jonathan Chow x6154.
Bright Fencing Future

by Sabre T. Tiger

With the fencing season over, Caltech is left with more than just a few memories and many, many hopes for the future. The team's hopes for post-season competition were virtually eliminated at the second meet of the season. The fencers continued to compete until the very end. Though the official stats only reflect the second half of the season due to first half disqualifications, when taken as a whole, the season record is quite impressive in what will undoubtedly be referred to as a rebuilding year.

The women's team came the farthest and shows some real promise for the next several years. All four freshman ladies are ready to return and compete at some time in the next season. Miriam Myjak was the most dedicated of the team, competing at all the dates, fighting solo at the first meet and joined by Celina Mikolajczak, the most successful member of the team, and Anna Yekley, a young lady who had not touched a foil until the evening before her first competition. If these four women are able to compete again next year, the women's team's future is very bright indeed.

Even brighter, however, are the prospects for the men's teams, with only one graduating senior in the ranks. Jeff Greason, that lone senior, was a four-year member of the fencing team, spending the last three on an opee squad and the last one as the squad's captain. Even though he is graduating, there are three returning opee members for the future, and they are sophomore Joe Dadek, freshman Ben Holland, and freshman Allen Price. With off-season work, they should be able to chalk up many more team victories than the two that highlighted the past season for these four gentlemen.

The men's foil team will not lose any fencers. With more experience for freshman Steve McLaughlin, sophomore Robert Coker, and captain Paul Rubnov, a junior, the trio will shine in the next year. Additionally, they will be able to build a strong foundation for future years, working with the large crop of beginners that the introductory fencing class gathers.

The sabre team, however, has the possibility for the best future. Ray Sidney, the left-handed freshman fencing sensation, is maturing nicely. He will make a strong contribution next year, as Sean Johnston, another fine talent who already has two years of experience, Bob Fox, a fencer from Oxy, is also transferring to Tech next year. The sabre team will benefit from his last year of eligibility, as well as his experience during practice.

The only big question mark is captain Matt Himmelstein, who, though a senior, has one more year of eligibility and no real plans for a June graduation. If he does indeed compete next year, great things are expected of him.

The Morgan Ward Competition Any Caltech freshmen or sophomores may enter this contest. An entry may be individual (submitted by one student) or joint (submitted by a group of two or more students). Each student is entitled to at most three entries, of which at most two may be individual. An entry is to consist of a mathematical problem, together with a solution or significant contribution toward a solution. The problem may have any source, but this source should be stated in the entry. The entries will be judged on the basis of the nature of the problem and the originality and elegance of the solution. Any outside references used should be indicated.

Entries from each contestant or group must be placed in an envelope and delivered to the Mathematics Office, 225 Buies, during the fourth week of third term. The names of the contestant, or the names of all participants in the case of a joint entry, must be written on the envelope only, not on the entry. The Judging Committee will consist of those volunteers, approved by a vote of the Caltech Mathematics Club. Each judge must be a junior or senior and a member of the Mathematics Club. The judges will select a group of finalists and notify their entries to the Mathematics Department faculty who will make awards to the winners. Prizes will ordinarily be awarded for the 2 or 4 best entries, the value of each prize being $75. Prizes for individual entries will be limited to at most one per contestant, and no group may receive more than one prize.

Caltech Raquetball Club

Pavilions YMA's raquetball facilities are now available to the general public. They can be purchased during normal office hours and are available any weekday. The passes allow full use of YMA facilities for one day.

The YMCA is located at 235 E. Holly Ave., 1 block north of the Pasadena Plaza across the street Y next to City Hall. There will be a list of available partners posted at the Y next to City Hall. If you are interested, please sign up. If you have any helpful suggestions for the club, contact Jason Stewart at 627-1941.

What goes on

from page 8

E.T. Bell Research Prize

The E.T. Bell Undergraduate Mathematics Research Prize is a cash award of $500 awarded for the best original mathematics paper written by a Caltech junior or senior.

Contestants for the Bell prize must be nominated by a faculty member familiar with their work. Students who wish to be considered for the prize should submit a copy of the Mathematics faculty prior to the end of the second term to discuss the nature of the research. If the entry is sufficiently worthy, the faculty member will nominate the contestant and act as sponsor. Each student is entitled to only one entry. All contestants nominated must submit their papers in final form to their faculty sponsors by the end of the fourth week of third term. A faculty committee will then judge the paper and announce its decision before the end of third term. The committee may award fractional prizes in cases of more than one outstanding entry. The name of the winner (or winners) will appear in the commencement program.

Honeywell Futurist Competition

Honeywell's sixth annual Futurist Awards Competition, an essay contest open to full-time college students, asks students to predict technological advancements they foresee by the year 2013. This year's contest will offer 18 winners $1,000 each. In addition, all entrants will receive a Futurist Award Competition poster designed by French artist Jean Michel Folon.

The 1988 contest is open to full-time undergraduate or graduate students at any accredited U.S. college or university. Students are asked to devote the first half of the 2,000-word essay to one of the following areas: aerospace applications, aircraft capabilities, computers and control systems, medical instruments and control, and microelectronic devices. The second part of the essay should reflect the societal impact of the predicted changes.

Completed essays must be postmarked no later than March 18, 1988. Essays will be judged on the basis of originality, technical understanding, feasibility and clarity of expression. Winners will be notified by April 22 and will be flown to Minneapolis later that month for the awards ceremony.

To obtain registration information write: Honeywell Futurists Awards Competition, Box 524, Minneapolis, MN 55440, or call toll free, (800) 528-5111, x3281.
**Beaver Cup: Part II**

by Ice Man

The Caltech Ice Hockey Club staked a claim to MIT for the second annual Beaver Cup last weekend. The team was elated at the exciting events held during the event. The Beaver Cup seemed like a marathon that the Caltech team was privileged to stay at the MIT Hilton, which turned out to be a rousing success. Aside from the fine accommodations, the MIT hospitality was outstanding. The Caltech players were taken to such fine events as dinner with MIT's president, dinner with Caltech alumni, the Blonder Blitz, Party til the Sun Comes Up, and the Banana Blast.

The return flight from MIT also yielded an unexpected bonus as United Airlines was kind enough to donate eighty motion sickness containers to Caltech for use in case of large instances of non-food-related nausea.

Although not fully recovered from the post game celebrations, the pucksters took on Cal Lutheran Wednesday night. The game at the Pasadena Ice Center in front of just over twenty fans, was protested by the official on Monday at 3:00PM in their last day's 2:00PM match at Whittier.

**Women’s Tennis Victorious**

by Martin Navartalova

The Caltech women's tennis team pulled out another 6-3 victory over Christ College Irvine last Wednesday, though it wasn't quite as satisfying as their first triumph over the Eagles this season. Back on January 30, only five Tech players made the long trek out to Irvine, yet they clobbered C.C.I. 6-3, losing only two of the three matches by forfait.

Last Wednesday, only five Eagle players played in full complement of six came to Caltech to face the confident Beavers. Though the final score was game, Caltech's top seeds did not play nearly so well. The brightest spots of the day for Tech were third and fifth seeds Laura Hernandez and Jennifer Low. Laura put on a masterful tennis clinic, neatly disposing of Denise Manning 6-1,6-0. Always a gracious winner, Laura began feeling sorry for her opponent in the first set as she double-faulted four times to give a game to her opponent outclassed and clawed.

Meanwhile, Jennifer Low continued her streak of excellent play with a 6-0, 6-0 over Larissa Casillas. Relatively speaking, Jennifer had been playing the best tennis of anyone on the team the last couple of matches. She also played well in the first set of doubles which they won easily.

The top two singles matches and the first doubles match were rather poetic encounters as this day pitted the noble, dark, and stormy duo of Carol Choy and Jennifer against C.C.I's annoying blonde bobbyheads Corrie Stelmachowicz and Anne Kringle. Unfortunately, three potential comets turned into tragedies as Carol and Jane lost individual singles encounters, and the respective singles encounters.

The highlights of their matches occurred in the first set as she double-faulted four times to give a game to her opponent outclassed and clawed. Meanwhile, Jennifer Low continued her streak of excellent play with a 6-0, 6-0 over Larissa Casillas. Relatively speaking, Jennifer had been playing the best tennis of anyone on the team the last couple of matches. She also played well in the first set of doubles which they won easily.

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