

**Pg. 3**

*Neutrinos and how  
they challenged  
Einstein!*



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ISSUE

**57**

October 15, 2011



# Glorious Gibsons!

*Mridul Godha reports on the 17th Padmashree JTM Gibson Memorial Invitational English Debates*

What was so special about this year's Gibson Debates? Our team. The Debating team this time consisted of two juniors of Classes IX and X! It took us (Raghav Bhargava and me) a great deal of effort to convince ourselves that we were capable enough to perform well in the Gibsons. Thanks to our seniors Maayank and Vaibhav, two extremely confident and experienced debaters, we did not face too many difficulties.

The support from the school was enormous. I was fortunate enough to get the chance to chair the first preliminary round

of the debate - the Extempore Round. Vaibhav was exceptional with his topic - *Hideous*. Maayank, of course, stood better than everyone else in the Turncoat Round where his topic was *'We don't need helicopter parents'*. We successfully sailed on to the semi finals where we encountered the Vasant Valley School, New Delhi. Maayank and Vaibhav called it a 'déjà-vu' as we faced the same school in the semi finals last year. Our topic was *'Saffron and Green are two colours of the Flag'* and we were the opposition. This was when my role as the resource person or 'think tank' of the team actually began. We won the debate with a phenomenal performance by all three speakers. Vaibhav was adjudged as the best speaker of the debate, and to our great delight, we reached the final round against Dubai Modern High School, Dubai. The topic for the Final was *'The souls of five hundred Sir Isaac Newtons would go to the making up of a Shakespeare or a Milton'* and we were once again the opposition. We thought and thought all night on the topic and preferred to choose Literature=Science as our viewpoint instead of Literature < Science, and I think this 'out of the box' viewpoint, majorly, helped us win the Final debate. The Principal of course gave the school a holiday, and to our great pleasure, we were given a day's outing. Being part of the Gibson team was perhaps the most important experience of my life. A lot goes into organizing a successful event and each person of Mayo College played his or her own role into making Gibsons a successful event. **M**



*Mayo College won the Gibson Debates for the 4th consecutive year. Maayank Murti, lead speaker of the winning team, handing over the trophy to the runner-up team - Dubai Modern High School, Dubai.*

## news

## Gibsons 2011

### Results of the Debates

#### Extempore Round:

**Best Speaker** - Shreyas Ravishankar (Dubai Modern High School, Dubai)

#### Turncoat Round:

**Best Speaker** - Maayank Murti (Mayo College, Ajmer)

#### Semi Final 1 - 'Development we claim is surreal'

Dubai Modern High School, Dubai versus SMS, Jaipur

**Best Speaker** - Anand Ravindran (Dubai Modern High School, Dubai)

#### Semi Final 2 - 'Saffron and Green are two colours of the Flag'

Mayo College, Ajmer versus Vasant Valley Sch, Delhi

**Best Speaker** - Vaibhav Aggarwal (Mayo College, Ajmer)

#### Final - 'The souls of five hundred Sir Isaac Newtons would go to the making up of a Shakespeare or a Milton'

Mayo College, Ajmer versus Dubai Modern High School, Dubai

**Best Speaker** - Shared between Maayank Murti (Mayo College, Ajmer) and Shreyas Ravishankar (Dubai Modern High School, Dubai)

**Most Promising Speaker of the Debates** - Shared between Nidhanjit Jain (SMS, Jaipur) and Riddhima Yadav (Vasant Valley Sch, Delhi)

**Best Speaker of the Debates** - Shared between Anand Ravindran (Dubai Modern High School, Dubai) and Maayank Murti (Mayo College, Ajmer)

### Results of the Quiz

**Winner:** Dubai Modern High School, Dubai

**Runner-up:** National Defence Academy, Khadakwasla

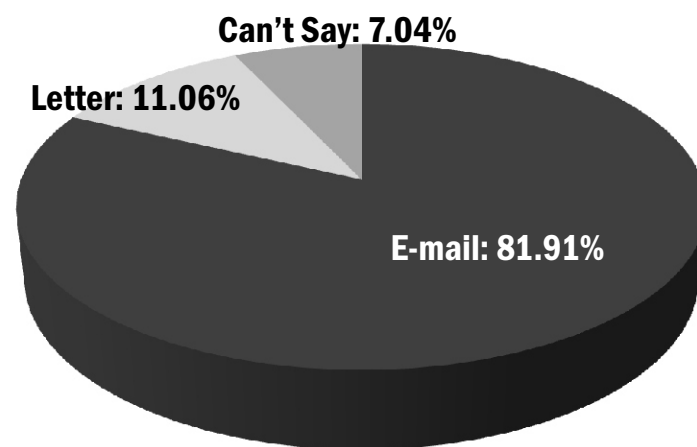
## Public Speaking

On Oct. 8, 2011, Mridul Godha and Krishit Arora participated in the Sanskar **All India Public Speaking Competition** organized by the Yogi Durlabhji Foundation. Mridul Godha won the Best Speaker Runner-Up Prize and the team stood Runner-Up in the overall tally. Well done! **M**

## opinion poll

#### Last Week's Poll:

Which is the better medium to communicate: E-mail or Letter?



199 members of the Student Community participated in the poll.

#### our verdict

*We had stated that we are a part of the Information Super highway and the results of this opinion poll clearly state that we are proud of this fact. The emotional quotient of letter writing is overlooked by technology's unlimited pros. Obviously, e-mailing is considered to be the best option to communicate by all.*

#### Next Week's Poll:

Are you happy with the newly introduced Telephone System?

*Vote on Mayoonline*

## Visitors

• **Ms. Payal Mahajan**, editor of the **Education World** magazine which conducts the popular annual C-Fore Survey that rates Schools of the country, visited Mayo College on Oct. 5, 2011.

• A team from **NDTV News Channel** visited Mayo College to promote their popular '**Marks For Sports**' campaign. During the Gibson Debates they asked the audience whether they supported the campaign, and to their surprise, they got overwhelming support from the School Community.

## Class XII Conference

The **Class XII Students' Conference** was held on Oct. 4, 2011 and was attended by the Principal, the Vice Principal and the Housemasters. **M**

trending

# All About *Neutrinos*...

*Krishit Arora writes about Neutrinos, tiny odd silvers of an atom that managed to challenge Einstein's Theory of Relativity...*

Over the past 2 years, the collaborated experiment by CERN, France's National Institute for Nuclear and Particle Physics, and Italy's Gran Sasso Laboratory, has allowed the particle accelerator to send neutrinos on their breakneck 730km trip underground from Geneva to Italy. The experiment, which is called OPERA (Oscillation Project with Emulsion-tRacking Apparatus) and lies 1,400 meters underground, has unveiled evidence that neutrinos can travel 60 nanoseconds faster than light.

To understand the experiment, it is quite important to know about neutrinos. A neutrino is the least massive elementary subatomic particle with a small but non-zero mass. Being electrically neutral, it is able to pass through ordinary matter almost unaffected, "like a bullet passing through a bank of fog". Neutrinos are created as a result of certain types of radioactive decay, or nuclear reactions such as those that take place in the Sun or in nuclear reactors. They come in three different 'flavours': electron neutrinos, muon neutrinos and tau neutrinos (the ones that exceeded the speed of light). They can even shift from one flavor to another while shooting out from the sun.

The idea that nothing can travel faster than light in a vacuum is the cornerstone of Albert Einstein's special theory of relativity ( $E=mc^2$ ). If neutrinos are travelling faster than the speed of light, then one of the most fundamental assumptions of science that the rules of physics are the same for all observers would be invalidated. Neutrinos can reach the speed of light only if they are massless, as per Einstein. As a matter of fact, the bunch of 15,000 neutrinos used in the experiment not only had mass but also broke the speed limit. This not only challenges the theory but also Einstein's intellect.

If these results are confirmed, they won't change the way we live. But they will fundamentally change our understanding of how the universe works. Criticism will surely follow as a problem in digesting the fact as Einstein's theory works very well. Scientists around the world are rechecking the results. The experiment may also be carried out again in two labs elsewhere in the world - Fermilab near Chicago and a Japanese lab, to come to a satisfying conclusion.

Whatever the outcome, it will be remembered that these tiny Neutrinos, odd slivers of an atom, challenged the brain of Einstein. **M**



~~$E=mc^2$~~

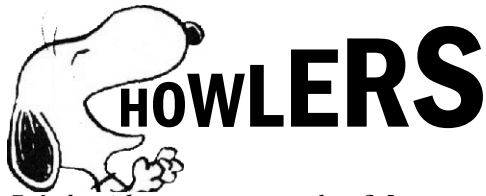
## Indian Grand Prix, 2011

*An overview by Raghav Bhargava and Sachit Sethia*

The much awaited Indian Grand Prix is just a few days away, but what is it all about? The Grand Prix is a series of races held across the globe where super cars accelerate their engines from Melbourne in Australia and screech their breaks at Sao Paulo in Brazil. But the latest introduction in this is the most awaited Indian Grand Prix circuit which was being planned since 1997 but could not be materialized till 2011. The venue is the Buddha International Circuit in Greater Noida, stretching its path for the tyres over 5.14 kms. The track in all has 16 largely medium speed corners where F1 cars will lap at an average speed of 210 km/h. The back straight will let F1 cars reach 320 km/h making it one of the fastest tracks in the world. The expected F1 car lap time is 1 minute 27 seconds. The organizers have also taken feedback from teams which have done the track analysis via simulators leading to modification of turn 7 in order to



Contd. On Page 4



# HOWLERS

*I feel pride to announce that Mayo won!*

*Guys, please quiet up.*

*Womens are everywhere.*

*I will be going at Canada.*

*On which computer shall I sit?*

*H2O is hot water and CO2 is cold water.*

*Britain has a temporary climate.*

*Go to haircut right now!*

*I put a tick on you!*

*You think me to fool?*

*The computer is hanging!*

*Fresh Pages*  
New additions to  
the Library

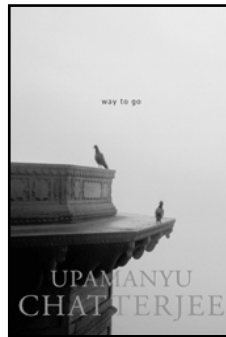
“  
Reading  
without  
reflecting is  
like eating  
without  
digesting.”

- Edmund Burke

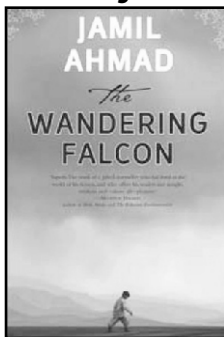
Ratings from  
goodreads.com



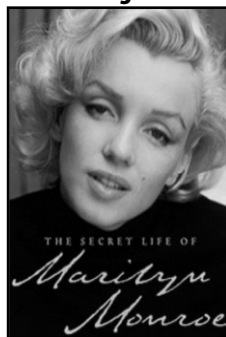
**Radiant Shadows**  
by Melissa Marr  
Rating: 4/5



**Way To Go**  
by Upamanyu Chatterjee  
Rating: 3/5



**The Wandering Falcon**  
by Jamil Ahmad  
Rating: 3.5/5



**The Secret Life  
Of Marilyn Monroe**  
by J. Randy Rating: 4/5

Contd. From Page 3

maximize overtaking opportunities into banked turn 10. A grand stand with a capacity of 13,000 will overlook turns 10 and 11 giving the F1 fans an opportunity to see the action. The total seating capacity is 150,000. Although the champion has been declared, it is going to be a great event to promote motor-sports in India and to see enthusiastic Indian fans shouting on top of their voices for their favourites (mostly Force India!). It would turn out to a great cascading opportunity for Narain Karthikeyan and his team as well as Force India to perform amidst their own people. Vijay Mallya, enterprenuer and the first Indian owner of a Formula One team, said it was a dream come true to see India host a Grand Prix event.

We would be looking forward to see Vettel in his cockpit and also expect Force India to win some laurels this time. **M**



## MOVIE Of the WEEK

### A Cinderella Story

On October 22, 7.40PM at the Bikaner Pavilion.

**Starring:** Hillary Duff  
Chad Michael  
Murray

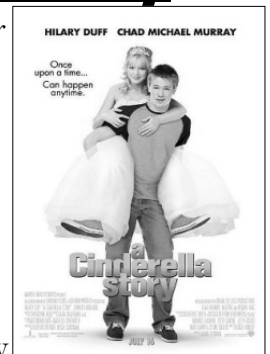
**Year Of Release:** 2004

**Country:** USA, Canada

**Runtime:** 1 hr 35 mins

**Synopsis:** Routinely exploited by her wicked stepmother, the downtrodden Sam Montgomery is excited about the prospect of meeting her Internet beau at the school's Halloween dance.

**Rating on IMDb.com:** 5.4/10



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