

Ashtonbee Campus

October 1, 2007

ISSUE #9



CENTENNIAL COLLEGE

Ensuring Flight Safety



James Melen (graduate of Humberview S.S. in Bolton), Amit Gayen (graduate of Central Commerce Collegiate in Toronto), Greg Martin (graduate of Mayfield Secondary School in Caledon) and Prem Mootoosingh (graduate of Bramalea Secondary School in Brampton and 2 years of study in Massage Therapy at Centennial) are third semester

students in the Aircraft Maintenance program. Under the guidance of Professor Ken Baugh, the students have learned how to perform static balance on the main rotorhead on the BH06 helicopter. Static balance of the main rotorhead is required periodically in order to ensure continued airworthiness, smooth operation and reduced vibration levels.

Staff Profiles



John Dixon, Coordinator is a graduate of Centennial's Truck & Coach program as well as S.A.I.T.'s Transport Refrigeration Program. When not riding his motorcycle or regularly escorting his three daughters to the dance studio, John maintains his sanity by playing bass in the classic rock band called "Mid Life Crisis".

Fleur Govaerts, Professor with GM's Automotive Service Education Program. Fleur is a Centennial graduate and an accomplished Formula One race car driver. Her busy and happy home includes two cats, one dog and a collection of about 4,000 hot wheels (1/64 scale die-cast cars dating back to 1968).

Ron Rehmund, Professor with GM's ASEP program, has been teaching full-time at Centennial for eighteen years and is well respected for his varied talents in the automotive industry. Ron and Linda have been married for 27 years and have two sons (Russel and Adrien). Ron enjoys motorcycle riding, golf and travel.

CENTENNIAL COLLEGE—SCHOOL OF TRANSPORTATION

Wheels & Wings...

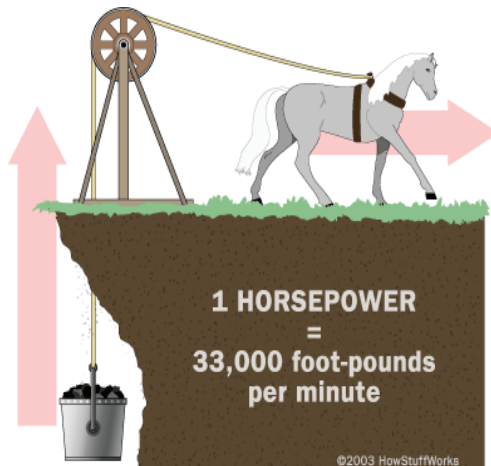


A visitor rides a replica of Carl Benz' first automobile at the 62nd Int. Auto Show (Frankfurt).

German Makers Step Up At Frankfurt Auto Show!

- **Audi** rolls out it's A4 compact with what it claims is the world's cleanest diesel technology.
- **BMW** shows its long awaited X6 crossover (hybrid).
- **Mercedes-Benz** demonstrates its DiesOtto gasoline direct-injection engine on the F700.
- GM's **Opel** subsidiary offers a diesel version of the E-Flex.
- **VW** enters the low-cost car race with its City Expert.
- **Porsche** pours on the power with its 911 GT2. (AutomotiveNews September 3rd, 2007 Issue)

H
O
R
S
E
P
O
W
E
R



The term **horsepower** was invented by the engineer James Watt. Watt lived from 1736 to 1819 and is most famous for his work on improving the performance of steam engines. We are also reminded of him every day when we talk about 60-watt light bulbs. The story goes that Watt was working with ponies lifting coal at a coal mine and he wanted a way to talk about the power available from one of these animals. He found that, on average, a mine pony could do 22,000 foot-pounds of work in a minute. He then increased that number by 50% and pegged the measurement of horsepower at 33,000 foot-pounds of work in one minute. It is that arbitrary unit of measure that has made its way down through the centuries and now appears on your car, your lawn mower, your chain saw and even in some cases your vacuum cleaner. What horse power means is this. In Watt's judgement, one horse can do 33,000 foot pounds of work every minute. A horse exerting 1 horsepower can raise 330 pounds of coal 100 feet in a minute or 33 pounds of coal 1,000 feet in one minute, etc.



The Women in Skilled Trades Lunch Bunch

Centennial College—The Fu-